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All prices exclude VAT and Carriage

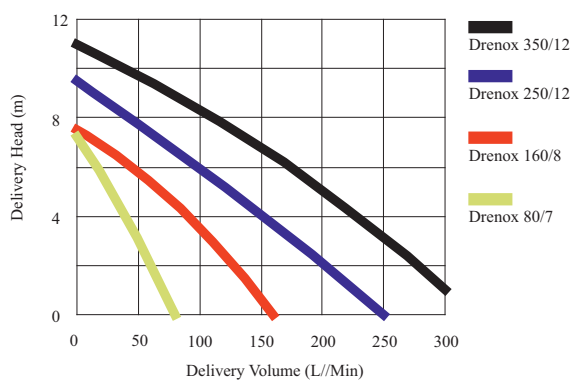
STAINLESS STEEL SUBMERSIBLES

DRENOX 1 1/4"

CLEAN & BLACK WATER & ALL TYPES
OF DRAINAGE & CIRCULATION DUTY

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
80-7 MAN 110v	5.7	340 x 190 x 190	80/7	0.2	555-001	
80-7 MAN 230v	5.7	340 x 190 x 190	80/7	0.2	555-003	
80-7 AUTO 110v	5.8	340 x 190 x 190	80/7	0.2	555-006	
80-7 AUTO 230v	5.8	340 x 190 x 190	80/7	0.2	555-009	
160-8 MAN 230v	6.5	380 x 190 x 190	160/8	0.37	555-012	
160-8 AUTO 230v	6.5	380 x 190 x 190	160/8	0.37	555-015	
250-10 MAN 230v	7	420 x 190 x 190	250/10	0.55	555-017	
250-10 AUTO 230v	7	420 x 190 x 190	250/10	0.55	555-022	
350-12 MAN 230v	8.5	420 x 190 x 190	350/12	0.75	555-025	
350-12 AUTO 230v	8.6	420 x 190 x 190	350/12	0.75	555-028	
350-12 T MAN 415v	8.4	420 x 190 x 190	350/12	0.75	555-029	

Drenox range are centrifugal drainage pumps. All stainless steel. Supplied with 10 metres of power cable and hose tail. Twin NBR lip sealed. For uses in drainage, clean, black water and circulation duties. Maximum submersion depth 7 metres.



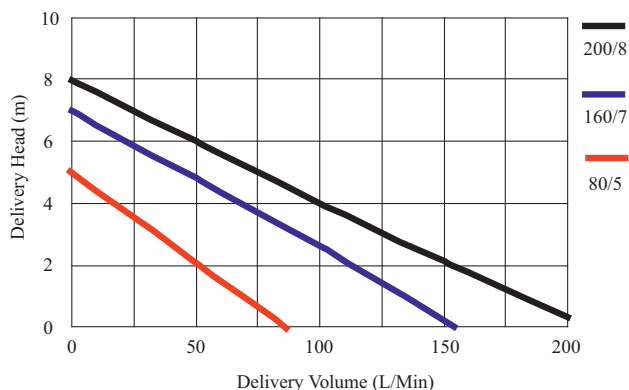
Drenox Auto

OMNIA 1 1/4"

BLACK WATER & SOLIDS UP TO 20mm
DIA, CESS PITS/PONDS/LIGHT SEWAGE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
80-5 MAN 230v	5.7	340 x 190 x 190	80/5	0.2	555-031	
80-5 AUTO 230v	5.7	340 x 190 x 190	80/5	0.2	555-033	
80-5 AUTO 110v	5.8	340 x 190 x 190	80/5	0.2	555-035	
80-5 MAN 110v	5.8	340 x 190 x 190	80/5	0.2	555-041	
160-7 MAN 230v	7	380 x 190 x 190	160/7	0.37	555-037	
160-7 AUTO 230v	7.1	380 x 190 x 190	160/7	0.37	555-039	
200-8 MAN 230v	8	420 x 190 x 190	200/8	0.55	555-043	
200-8 AUTO 230v	8.1	420 x 190 x 190	200/8	0.55	555-045	
200-8 MAN 110v	8.4	420 x 190 x 190	200/8	0.55	555-050	
200-8 AUTO 110v	8.4	420 x 190 x 190	200/8	0.55	555-048	

Omnia range are vortex pumps. All stainless steel. Supplied with 10 metres of power cable and hose tail. Twin NBR lip sealed. For uses in drainage, black water, cess pits, pond circulation and where soft solids in the water are no bigger than 20mm. Maximum submersion depth 7 metres.



Omnia Auto

STAINLESS STEEL SUBMERSIBLES

PRATIKA – STAINLESS STEEL MULTISTAGE PUMP

1 1/4" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

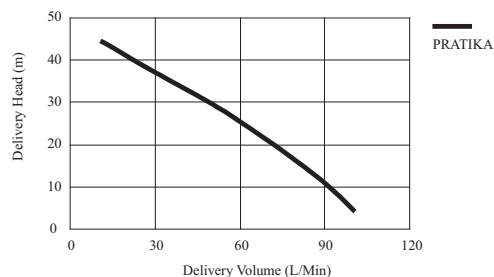
The Pratika pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Also suitable for small scale irrigation systems.

CLEAN WATER ONLY with no suspended solids or abrasive material.

All stainless steel apart from the impellers and diffusers which are made from Noryl.

NBR lip sealed followed by a carbon ceramic seal.

Supplied with 15 metres of power cable and a hoesail. Maximum submersion depth 10 metres.



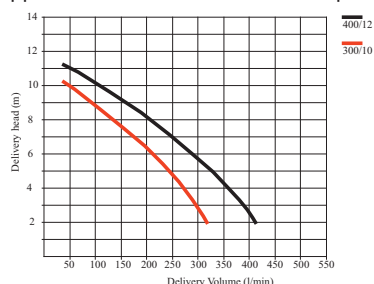
Pratika Auto

BIOX 2"

SEWAGE & WASTE WATER – UP TO 40mm
DIA FREE PASSAGE THROUGH PUMP BODY

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
300-10 AUTO 230v	10	440 x 190 x 190	300/10	0.75	555-054	
400-12 AUTO 230v	11	460 x 190 x 190	400/12	1.1	555-057	

Biox range is an all stainless steel pump used for the pumping of waste water containing soft solids up to 40mm. Carbon ceramic seal followed by NBR lip seal. Supplied with 10 metres of power cable. No hoesail is supplied. Maximum submersion depth 7 metres.



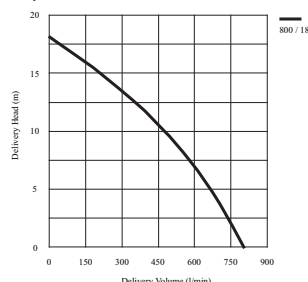
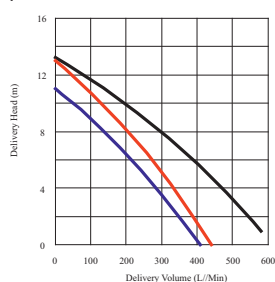
Biox Auto

PRIOX 2"

HEAVY DUTY SEWAGE & WASTE WATER – UP TO
40mm DIA FREE PASSAGE THROUGH PUMP BODY

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
420-11 MAN 230v	11.2	440 x 235 x 241	420/11	1.3	555-065	
420-11 AUTO 230v	11.2	440 x 235 x 241	420/11	1.3	555-064	
420-11 MAN 415v	11.2	440 x 235 x 241	420/11	1.3	555-063	
460-13 AUTO 230v	11.7	440 x 235 x 241	460/13	1.6	555-066	
460-13 MAN 415v	11.7	440 x 235 x 241	460/13	1.45	555-067	
600-13 MAN 415v	12.6	450 x 235 x 241	600/13	1.8	555-068	
800-18 MAN 415v	20.2	485 x 235 x 241	800/18	3	555-069	

Priox range is an all stainless steel pump used for the pumping of waste water containing soft solids up to 40mm. Carbon ceramic seal followed by NBR lip seal. Supplied with 10 metres of power cable. No hoesail is supplied. Maximum submersion depth 7 metres.



Priox Auto

VIP & VIPVORT 1 1/4" LIGHT DUTY DRAINAGE/POOL PUMPS PLASTIC/STAINLESS STEEL 230v

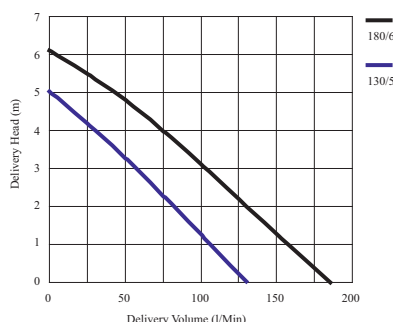
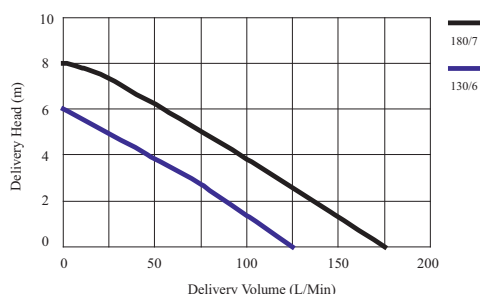
MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
VIP130-6 MAN	4.5	290 x 165 x 165	130/6	0.32	020-070	
VIP130-6 AUTO	4.6	290 x 165 x 165	130/6	0.32	020-072	
VIP180-7 MAN	4.7	290 x 165 x 165	180/7	0.37	020-074	
VIP180-7 AUTO	4.8	290 x 165 x 165	180/7	0.37	020-076	
VIPVORT130-5 MAN	4.5	300 x 165 x 165	130/5	0.37	020-080	
VIPVORT130-5 AUTO	4.6	300 x 165 x 165	130/5	0.37	020-082	
VIPVORT180-6 AUTO	4.8	300 x 165 x 165	180/6	0.48	020-086	

VIP series are designed for applications in clean water. Emptying of cellars, rain water collection tanks and decorative garden fountains are examples.

VIPVORT series are designed for applications in dirty water with suspended soft solids up to 20mm.

Both versions have the following – Pump body, diffuser and strainer made from polypropylene.

Stainless steel motor housing and shaft. Noryl impeller. Shaft with ceramic sleeve at wear point and double NBR 70 lip seals. Easy open and close system on the strainer and diffuser for cleaning purposes. All models come complete with 10 metres of power cable.



VIP MANUAL



VIP VORT AUTO

JS-SV SOFT SOLIDS HANDLING VORTEX PUMPS

JS-150 SV 1 1/4" OUTLET – JS-250 SV 1 1/2" OUTLET

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-150 SV MAN 230v	6.6	300 x 115 x 160	120/7	0.15	011-150	
JS-150 SV MAN 110v	6.6	300 x 115 x 160	120/7	0.15	011-152	
JS-250 SV MAN 230v	15.2	420 x 145 x 215	220/8	0.25	011-250	
JS-250 SV MAN 110v	15.2	420 x 145 x 215	220/8	0.25	011-252	
JS-150 SVA 230v	6.6	300 x 115 x 160	120/7	0.15	011-150A	
JS-150 SVA 110v	6.6	300 x 115 x 160	120/7	0.15	011-152A	
JS-250 SVA 230v	15.2	420 x 145 x 215	220/8	0.25	011-250A	
JS-250 SVA 110v	15.2	420 x 145 x 215	220/8	0.25	011-252A	
JS-150 SVAG 230v	6.6	300 x 195 x 160	120/7	0.15	011-150AG	
JS-150 SVAG 110v	6.6	300 x 195 x 160	120/7	0.15	011-152AG	
JS-250 SVAG 230v	15.2	420 x 225 x 215	220/8	0.25	011-250AG	
JS-250 SVAG 110v	15.2	420 x 225 x 215	220/8	0.25	011-252AG	

Man = Manually operated pump.

A = Automatic pump fitted with cable Mac-3 float switch (JS-150 fitted with small Mac-3).

AG = Automatic pump fitted with Agma magnetic float switch. Designed for small sump installation.

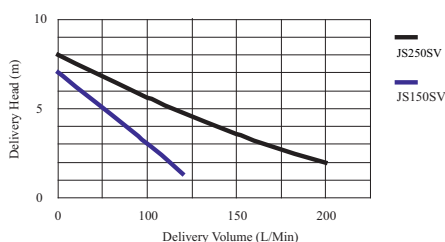
JS-SV series are vortex impeller, soft solids handling pumps.

JS-150 SV – 25mm soft solids handling. Plastic motor lid, lower motor/bearing housing and impeller.

Stainless steel shaft and outer motor casing. Cast iron seal chamber cover. Single silicon mechanical seal.

JS-250 SV – 36mm soft solids handling. Cast iron motor lid, lower motor/bearing/seal housing, impeller and pump chamber. Stainless steel shaft and outer motor casing. Twin mechanical seals in a lubricated chamber.

All models come complete with 10 metres power cable and hose tail.



JS-150SV
shown with Agma



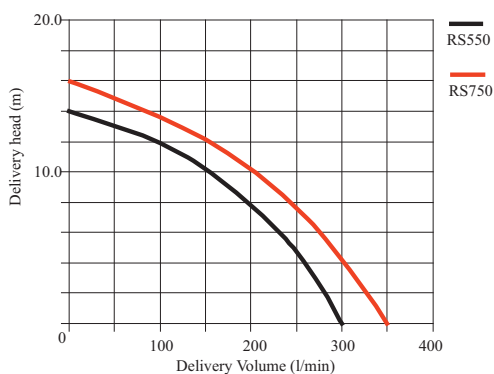
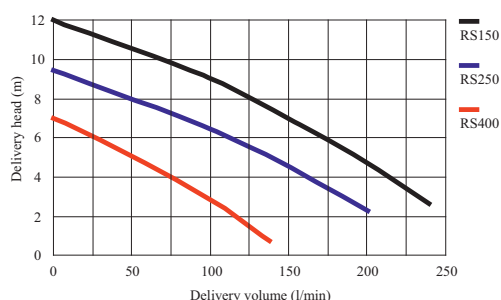
JS-250SV
shown with Mac-3

RS SUBMERSIBLE PUMPS – STAINLESS STEEL OUTER CASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RS-150 230v 1 1/4"	12.0	370 x 167 x 167	120/7	0.15	010-150	
RS-150 110v 1 1/4"	12.0	370 x 167 x 167	120/7	0.15	010-152	
RS-250 230v 1 1/2"	13.0	370 x 167 x 167	180/9	0.25	010-250	
RS-250 110v 1 1/2"	13.0	370 x 167 x 167	180/9	0.25	010-252	
RS-400 230v 2"	14.0	370 x 167 x 167	240/12	0.4	010-400	
RS-400 110v 2"	14.0	370 x 167 x 167	240/12	0.4	010-402	
RS-550 230v 2"	19.6	413 x 192 x 192	300/14	0.55	010-550	
RS-550 110v 2"	19.6	413 x 192 x 192	300/14	0.55	010-552	
RS-750 230v 2"	20.0	413 x 192 x 192	350/16	0.75	010-750	
RS-750 110v 2"	20.0	413 x 192 x 192	350/16	0.75	010-752	

Top outlet, twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case, shaft and motor case. Cast iron lower motor bearing/seal housing, motor top cover and volute. Complete with 10 metres of power cable and hose tail. Suitable for water features, draining applications, clean and dirty water.

All models above can be fitted with the Mac-3 cable float switch or Agma magnetic float switch. See bottom of page for prices. For ordering purposes add 'A' for Mac-3, add AG for Agma onto the end of the product code.



RS-150



RS-400
shown with Agma



RS-750
shown with Mac-3



Mac-3



Agma

MODELS JS/RS

CAN BE MODIFIED FOR
AUTOMATIC OPERATION

TYPE	CODE	PRICE
FLOAT SWITCH – MAC3	020-001	
FLOAT SWITCH – AGMA 22 MAGNETIC	020-003	

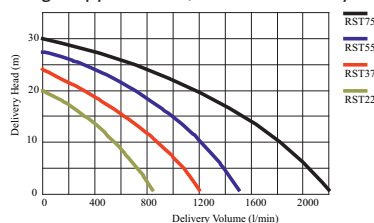
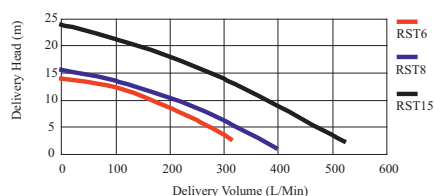
(Small sump operation)

RST TOP OUTLET SUBMERSIBLE PUMPS

415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RST-6 2"	18.6	420 x 190 x 190	280/12	0.55	012-006	
RST-8 2"	20	420 x 190 x 190	380/15	0.75	012-008	
RST-15 2"	29.6	500 x 180 x 180	500/23	1.5	012-015	
RST-22 3"	52.6	530 x 250 x 250	850/20	2.2	012-022	
RST-37 3" OR 4"	58	535 x 250 x 250	1200/23	3.7	012-037	
RST-55 4"	73	640 x 250 x 250	1500/25	5.5	012-055	
RST-75 4"	73	640 x 250 x 250	2200/30	7.5	012-075	

Top outlet, twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case shaft and motor case. Cast iron lower motor bearing/seal housing, motor top cover and volute. Complete with 10 metres of power cable. Hosetails are supplied only with models RST6, 8 and 15. Suitable for water features, drainage applications, clean and dirty water.



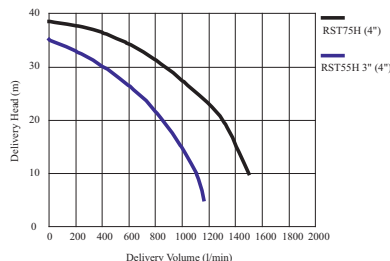
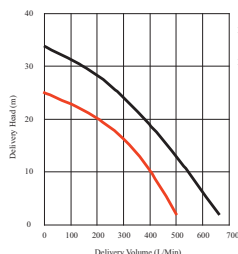
RST-6

RST TOP OUTLET SUBMERSIBLE PUMPS

HIGH HEAD VERSIONS 415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RST-22H 2"	52.6	530 x 250 x 250	500/25	2.2	012-024	
RST-37H 3"	58	535 x 250 x 250	650/33	3.7	012-039	
RST-55H 3"	73	600 x 250 x 250	1100/34	5.5	012-059	
RST-75H 4"	78	640 x 250 x 250	1450/38	7.5	012-077	

As above but with the added feature of high head capabilities.



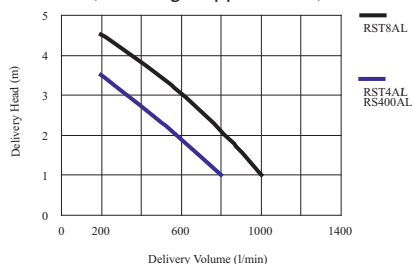
RST-22

RS/T HIGH FLOW PROPELLER PUMPS

4" OUTLET HIGH FLOW MINIMUM POWER

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RS-400 AL 230v 4"	26	475 x 250 x 250	800/3	0.4	011-500	
RST-4 AL 415v 4"	26	475 x 250 x 250	800/3.5	0.4	011-502	
RST-8 AL 415v 4"	30	475 x 250 x 250	1000/4.5	0.75	011-504	

Top outlet, high flow propeller pump. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel outer case, shaft and motor case. Cast iron lower motor bearing/seal housing and motor top cover. Complete with 10 metres of power cable. No hose tail is supplied. Suitable for water features, drainage applications, clean and dirty water.



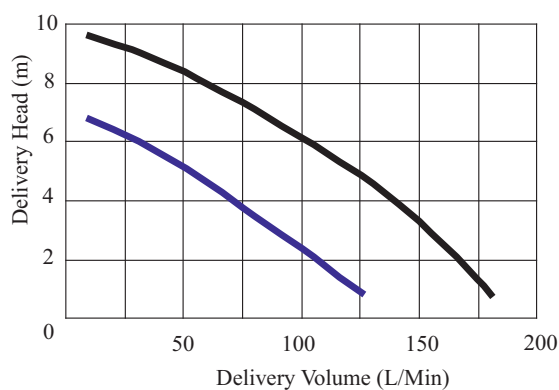
RS-AL

All models can be made to operate automatically, see pages 26 and 27 for control panels and pages 28 and 29 for float switches.

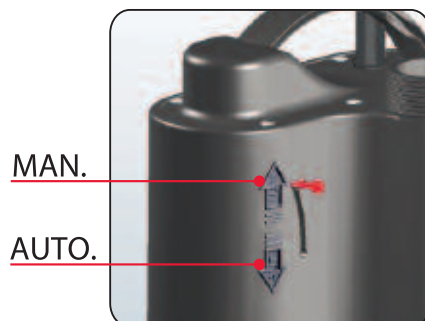
COMPAC

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
COMPAC 150 230V	5	280 x 170 x 200	140/7	0.3	020-090	
COMPAC 200 230V	6	280 x 170 x 200	190/10	0.65	020-094	
COMPAC 150 110V	5	280 x 170 x 200	140/7	0.3	020-092	

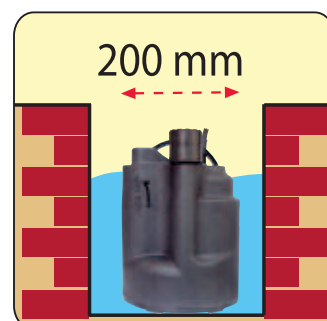
The Compac range are for clean water, designed to drain domestic applications. Ideal for limited spaces. Complete with integral float switch, which can be selected in automatic or manual mode. In automatic mode the pump switches on when the water level reaches approx 140mm and switches off at approx 30mm. In manual mode the level of water can be pumped down to approx 3mm. Supplied with check valve and a 1 1/4" adjustable hose connector for hose sizes 3/4", 1" and 1 1/4" and 10 metres of power cable. Pump body made from polypropylene, noryl impeller, stainless steel shaft. Twin NBR lip sealed.



Integrated automatic floating switch. Draining level: 3mm with manual mode.



Automatic and manual mode.



Ideal for limited space.

JST SUBMERSIBLE PUMPS – 415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-4 2"	14	370 x 145 x 220	240/12	0.4	011-004	
JST-8 2"	24	420 x 190 x 260	380/15	0.75	011-008 2"	
JST-8 3"	24	420 x 190 x 280	380/15	0.75	011-008 3"	
JST-15 3"	28	440 x 190 x 280	500/18	1.5	011-015	
JST-22 3"	39	510 x 220 x 315	850/20	2.2	011-022	
JST-37 4"	44	525 x 220 x 320	1050/31	3.7	011-037	
JST-55 4"	66	640 x 280 x 500	1800/22	5.5	011-055	
JST-75 6"	76	720 x 280 x 500	2000/31	7.5	011-075	

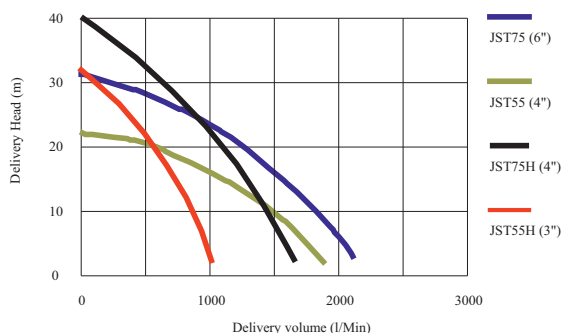
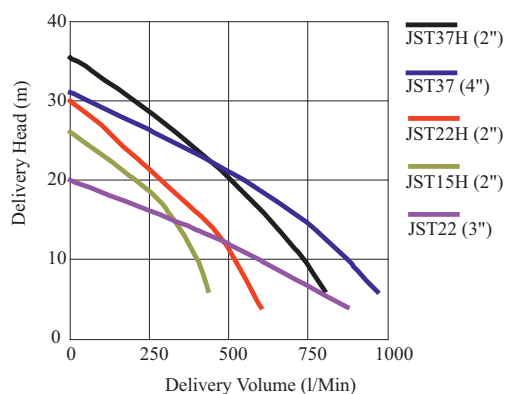
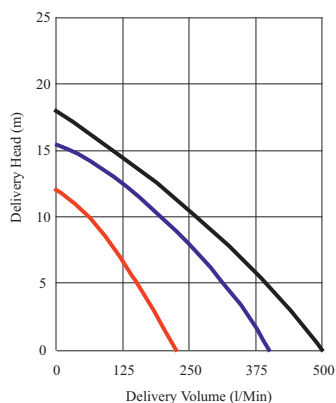
JST SUBMERSIBLE PUMPS 415v 3 PHASE HIGH HEAD VERSION

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-15H 2"	27	420 x 190 x 250	450/23	1.5	011-019	
JST-22H 2"	40	510 x 220 x 315	650/30	2.2	011-023	
JST-37H 2"	45	525 x 220 x 320	850/35	3.7	011-039	
JST-55H 3"	66	640 x 280 x 500	1050/32	5.5	011-057	
JST-75H 4"	76	720 x 280 x 500	1600/40	7.5	011-077	

JST and JST High Head versions

Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel shaft and motor case. Cast iron motor top cover, lower motor/seal housing, pump case, impeller and volute. Complete with 10 metres of power cable. Hose tails are supplied with all models apart from the JST37, 55 and 75. Hose tails are supplied with the high head versions.

Suitable for drainage applications, clean and dirty water.



All models can be made to operate automatically, see pages 26 and 27 for control panels and pages 28 and 29 for float switches.



JST-4



JST-15



JST-22

JS HEAVY DUTY CONTRACTOR PUMPS SINGLE PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-250 MAN 230v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-200	
JS-250 AUTO 230v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-200A	
JS-250 MAN 110v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-202	
JS-250 AUTO 110v 1½"	12.5	370 x 150 x 220	200/10	0.25	011-202A	
JS-400 MAN 230v 2"	15	420 x 150 x 220	240/12	0.4	011-400	
JS-400 AUTO 230v 2"	15	420 x 150 x 220	240/12	0.4	011-400A	
JS-400 MAN 110v 2"	15	420 x 150 x 220	240/12	0.4	011-402	
JS-400 AUTO 110v 2"	15	420 x 150 x 220	240/12	0.4	011-402A	
JS-750 MAN 230v 2"	27	480 x 195 x 255	400/15	0.75	011-750 2"	
JS-750 AUTO 230v 2"	27	480 x 195 x 255	400/15	0.75	011-750A 2"	
JS-750 MAN 110v 2"	27	480 x 195 x 255	400/15	0.75	011-752 2"	
JS-750 AUTO 110v 2"	27	480 x 195 x 255	400/15	0.75	011-752A 2"	
JS-750 MAN 230v 3"	27	480 x 195 x 285	400/15	0.75	011-750 3"	
JS-750 AUTO 230v 3"	27	480 x 195 x 285	400/15	0.75	011-750A 3"	
JS-750 MAN 110v 3"	27	480 x 195 x 285	400/15	0.75	011-752 3"	
JS-750 AUTO 110v 3"	27	480 x 195 x 285	400/15	0.75	011-752A 3"	
JS-1500 MAN 230v 3"	32	510 x 195 x 285	500/17	1.5	011-760	
JS-1500 AUTO 230v 3"	32	510 x 195 x 285	500/17	1.5	011-760A	
JS-1500 H MAN 230v 2"	32	510 x 195 x 255	250/22	1.5	011-764	
JS-1500 H AUTO 230v 2"	32	510 x 195 x 255	250/22	1.5	011-764A	



JS-400 AUTO



JS-750 MAN



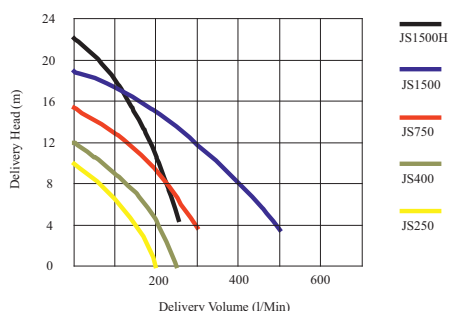
MAC-3



JS-400 STAINLESS STEEL

AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS
ALLOW APPROX. 300mm AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE

JS & JS-High Head versions.
Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber.
Stainless steel shaft and motor case. Cast iron motor top cover, lower motor bearing/seal housing, pump case, impeller and volute. Complete with 10 metres of power cable. Hose tails are supplied with all models. Suitable for drainage applications, clean and dirty water.



JS ALL 316 STAINLESS STEEL PUMPS

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-250 MAN 230v 1½"	11	365 x 150 x 220	200/9	0.25	011-256	
JS-400 MAN 230v 2"	15	420 x 150 x 220	240/12	0.4	011-405	
JS-400 MAN 230v 60Hz 2"	15	420 x 150 x 220	240/12	0.4	011-404	

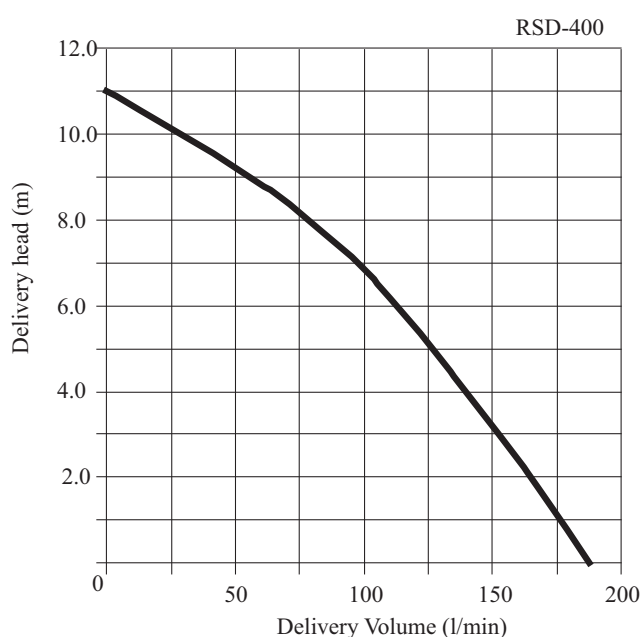
These are precision cast 316 stainless steel pumps.

RSD-400 RESIDUE DRAINAGE PUMP

PUDDLE SUCKER – DOWN TO 1mm

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
RSD-400 230v	15	370 x 167 x 167	180/11	0.4	012-400	
RSD-400 110v	15	370 x 167 x 167	180/11	0.4	012-402	

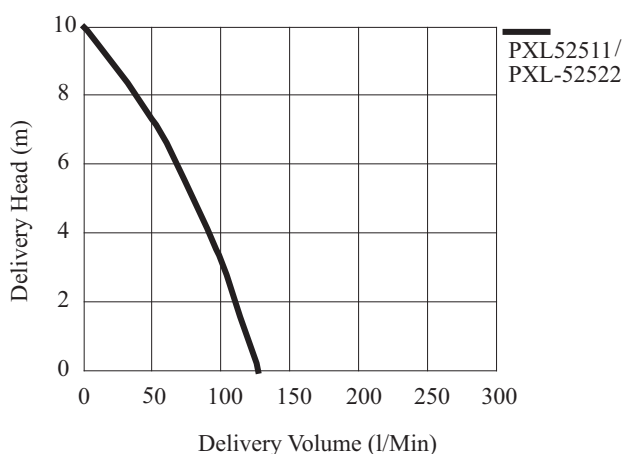
- 1¼ top outlet with 25mm, 19mm and 15mm step adapter hosetail
- The main feature of this pump is the ability to drain down to approx 1mm while the remaining flood water can be swept into the pump for removal
- Stainless steel outer case, motor pack and shaft
- Cast iron motor lid, pump casing and volute
- Equipped with non return valve on the suction of the pump to stop any return of water
- Bottom plate made with a cushioned rubber to help against damaging bottoms of tanks
- Complete with ten metres of power cable



PONSTAR PXL RESIDUE PUMP 1" OUTLET

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PXL 230v	13	315 x 190 x 190	120/10	0.52	PXL-52522	
PONSTAR PXL 110v	13	315 x 190 x 190	120/10	0.59	PXL-52511	

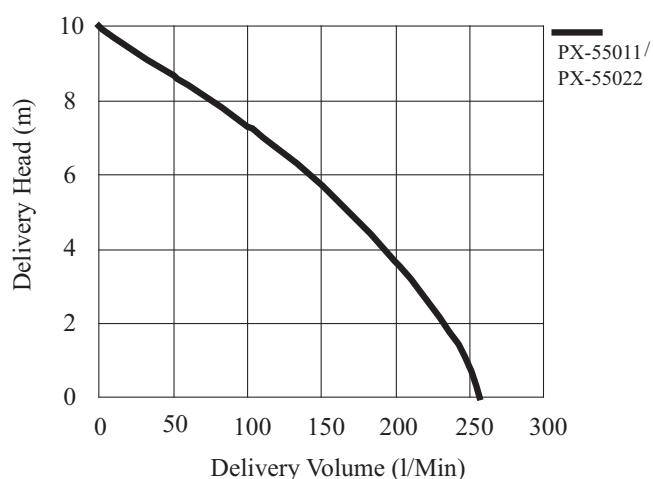
- Suitable for clean water pumping
- Pumps down to 1mm
- Complete with internal check valve and has to be primed if using in shallow water
- Twin mechanical seals, one carbon and one silicon in a lubricated chamber
- Mostly of alloy construction
- Impeller and volute plate are made from a urethane rubber to give a longer life than the traditional cast iron
- Complete with 10 metres of power cable, hosetail, hose clip and 5 metres of rope
- Designed so that the delivery flange can be altered from vertical to horizontal (to stop that annoying kink in the hose)
- Lightweight and can be recycled



PONSTAR PX 2" OUTLET

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PX 230v MAN	13	308 x 180 x 190	260/10	0.64	PX55022	
PONSTAR PX 230v AUTO	13	308 x 180 x 190	260/10	0.64	PX55022A	
PONSTAR PX 110v MAN	13	308 x 180 x 190	260/10	0.58	PX55011	
PONSTAR PX 110v AUTO	13	308 x 180 x 190	260/10	0.58	PX55011A	

- Suitable for heavy duty applications in clean and dirty water
- Twin mechanical seals, one carbon and one silicon in a lubricated chamber
- Mostly of alloy construction
- Impeller and volute plate are made from a urethane rubber to give a longer life than the traditional cast iron
- Complete with 10 metres of power cable, hoesetail, hose clip and 5 metres of rope
- Designed so that the delivery flange can be altered from vertical to horizontal (to stop that annoying kink in the hose)
- Lightweight and can be recycled



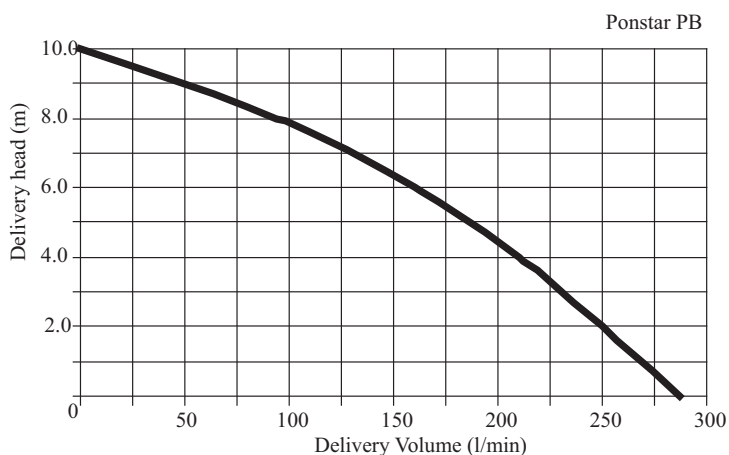
PONSTAR PB **THE ORIGINAL PONSTAR 2" OUTLET**

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PONSTAR PB 230v MAN	16	415 x 195 x 195	290/10	0.6	040-620	
PONSTAR PB 230v AUTO	16	415 x 195 x 195	290/10	0.6	040-620A	
PONSTAR PB 110v MAN	16	415 x 195 x 195	290/10	0.7	040-622	
PONSTAR PB 110v AUTO	16	415 x 195 x 195	290/10	0.7	040-622A	

- Heavy duty construction and unbeatable performance
- Capacitor start, induction run motor for extra starting torque
- Twin mechanical seals, one carbon and one silicon carbide in a lubricated chamber
- Stainless steel motor casing, volute plate and shaft. Cast iron impeller
- Pump casing, lower motor casting, top motor cover and outlet hose coupling are made from alloy
- Suitable for heavy duty drainage applications, clean and dirty water
- Complete with 10 metres of power cable, hose clip and 5 metres of rope



Ponstar Manual

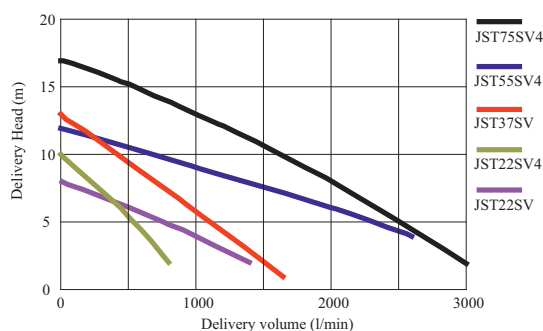
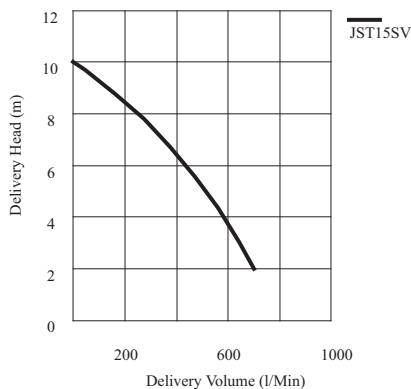
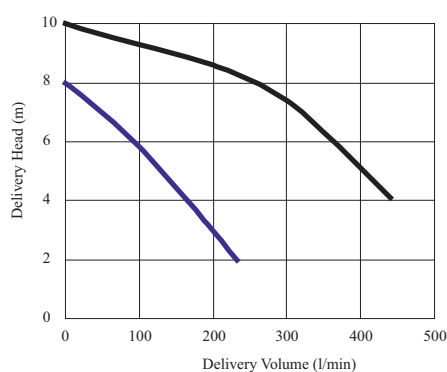


Ponstar Auto

JST SEWAGE PUMPS – 415v 3-PHASE SV VERSIONS – VORTEX IMPELLER

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-4 SV 2"	15.4	415 x 140 x 215	240/8	0.4	012-698	
JST-8 SV 3"	29.4	470 x 170 x 345	550/9	0.75	012-768	
JST-15 SV 3"	36.6	515 x 170 x 395	700/10	1.5	012-774	
JST-22 SV 3" 2 POLE	52.2	580 x 210 x 430	900/11	2.2	011-026	
JST-22 SV 3" 4 POLE	59.6	650 x 255 x 480	1400/8	2.2	011-025	
JST-37 SV 3"	61.2	660 x 255 x 480	1400/14	3.7	011-040	
JST-55 SV 4"	99.6	830 x 310 x 650	2600/12	5.5	012-788	
JST-75 SV 4"	110	830 x 310 x 650	3000/17	7.5	012-792	

JST-SV versions are submersible sewage vortex impeller pumps allowing soft solids to be passed through the pump body to waste. Available as free standing as standard or can be guide rail mounted. See bottom of page for guide rail prices. Cast iron pump body, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied up to model JST-37 SV. JST-4 SV – 36mm solids handling. JST-08 SV – 36mm, JST-15 SV – 46mm, JST-22 SV – 65mm, JST-37 SV – 57mm, JST55 SV & 75SV – 80mm solids handling.



All models can be made to operate automatically, see pages 26 & 27 for control panels and pages 28 & 29 for float switches.

GUIDE RAIL SETS DIMENSIONS ON PAGE 18

MODEL	OUTLET	CODE	PRICE
JS-2" SR-50H	2"	020-501H	
JS-3" SR-80	3"	020-504	
JS-4" SR-100	4"	020-506	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 26 - 29



JST-4 SV



JST-15 SV



SR-50H



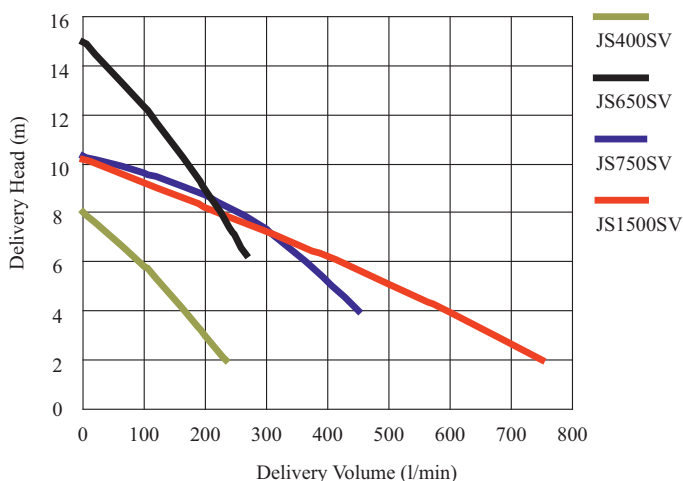
SR-80/100

JS SEWAGE PUMPS – SINGLE PHASE SV VERSIONS – VORTEX IMPELLER

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-400 SV MAN 230v 2"	17	460 x 145 x 215	240/8	0.4	012-410	
JS-400 SV AUTO 230v 2"	17	460 x 145 x 215	240/8	0.4	012-410A	
JS-400 SV MAN 110v 2"	17	460 x 145 x 215	240/8	0.4	012-414	
JS-400 SV AUTO 110v 2"	17	460 x 145 x 215	240/8	0.4	012-414A	
JS-650 SV MAN 230v 2"	21	480 x 160 x 230	300/15	0.75	011-700	
JS-650 SV AUTO 230v 2"	21	480 x 160 x 230	300/15	0.75	011-700A	
JS-650 SV MAN 110v 2"	21	480 x 160 x 230	300/15	0.75	011-702	
JS-650 SV AUTO 110v 2"	21	480 x 160 x 230	300/15	0.75	011-702A	
JS-750 SV MAN 230v 3"	32	530 x 165 x 345	500/9	0.75	012-751	
JS-750 SV AUTO 230v 3"	32	530 x 165 x 345	500/9	0.75	012-751A	
JS-750 SV MAN 110v 3"	32	530 x 165 x 345	500/9	0.75	012-754	
JS-750 SV AUTO 110v 3"	32	530 x 165 x 345	500/9	0.75	012-754A	
JS-1500 SV MAN 230v 3"	44	610 x 190 x 370	750/10	1.5	011-768	
JS-1500 SV AUTO 230v 3"	44	610 x 190 x 370	750/10	1.5	011-768A	

AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS ALLOW APPROX 300MM AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE

JS-SV series are submersible sewage vortex impeller pumps allowing soft solids to be passed through the pump body to waste. Available as standard as free standing or can be guide rail mounted. See below for guide rail prices. Cast iron pump body, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied with all models. JS-400/650sv – 36mm solids handling. JS-750sv – 46mm solids handling. JS-1500sv – 65mm solids handling.



GUIDE RAIL SETS DIMENSIONS ON PAGE 18

MODEL	OUTLET	CODE	PRICE
JS-2" SR-50H	2"	020-501H	
JS-3" SR-80	3"	020-504	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 26 - 29



JS-400 SV MANUAL



JS-400 SV AUTO



JS-750 SV



SR-50H

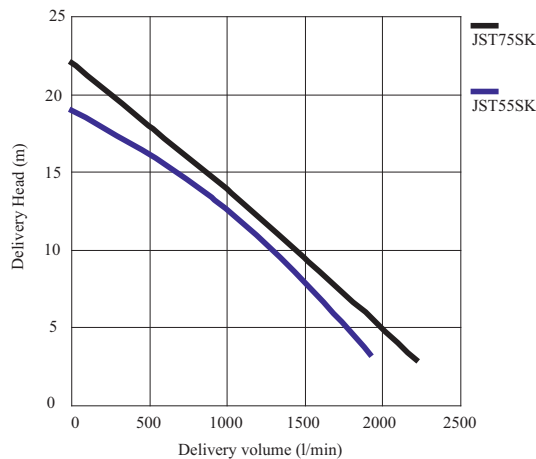
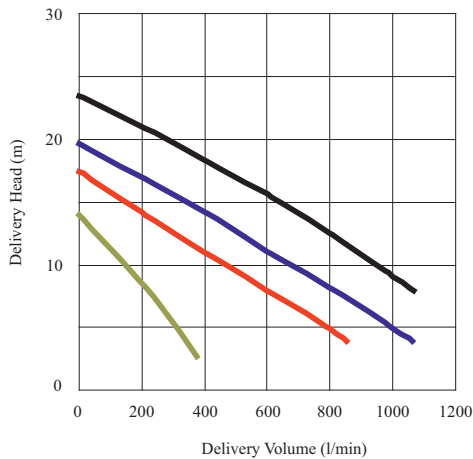


SR-80

JST SEWAGE PUMPS – 415v 3-PHASE SK VERSIONS – SINGLE CHANNEL CUTTER IMPELLER

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-8 SK 2"	27.8	465 x 195 x 315	400/14	0.75	012-780	
JST-15 SK 3"	37.6	515 x 240 x 375	800/17	1.5	012-782	
JST-22 SK 3"	49.8	565 x 240 x 405	1000/20	2.2	012-784	
JST-37 SK 4"	55	610 x 250 x 405	1200/25	3.7	012-786	
JST-55 SK 4"	76	730 x 420 x 740	1800/19	5.5	012-790	
JST-75 SK 4"	86	750 x 420 x 740	2200/22	7.5	012-796	

JST-SK series are submersible sewage cutter impeller pumps. Available as standard as free standing or can be guide rail mounted. See below for guide rail prices.
Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing.
Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber.
Complete with 10 metres of power cable.
Hose tails are supplied with all models apart from the JST-37, 55 and 75 SK.



All models can be made to operate automatically, see pages 26 & 27 for control panels and pages 28 & 29 for float switches.

GUIDE RAIL SETS DIMENSIONS ON PAGE 18

MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	
JS-3" SR-80	3"	020-504	
JS-4" SR-100	4"	020-506	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 26 - 29



JST-15 SK



JST-55 SK



SR-50



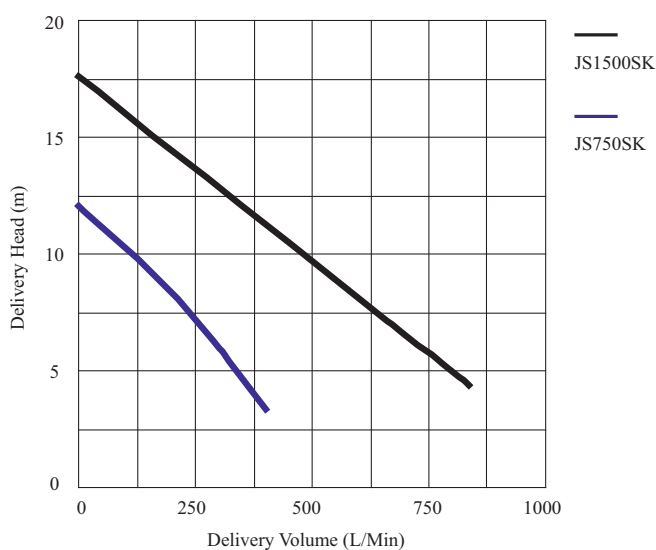
SR-80/100

JS SEWAGE PUMPS – SINGLE PHASE SK VERSIONS – SINGLE CHANNEL CUTTER IMPELLER

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JS-750 SK MAN 230v 2"	29.4	530 x 190 x 310	400/14	0.75	012-757	
JS-750 SK AUTO 230v 2"	29.4	530 x 190 x 310	400/14	0.75	012-757A	
JS-750 SK MAN 110v 2"	29.4	530 x 190 x 310	400/14	0.75	012-758	
JS-750 SK AUTO 110v 2"	29.4	530 x 190 x 310	400/14	0.75	012-758A	
JS-1500 SK MAN 230v 3"	36.4	580 x 240 x 360	800/16	1.5	011-776	
JS-1500 SK AUTO 230v 3"	36.4	580 x 240 x 360	800/16	1.5	011-776A	

**AUTOMATIC PUMPS ARE FITTED WITH MAC3 FLOATS
ALLOW APPROX 300MM AWAY FROM PUMP FOR FLOAT SWITCH TO OPERATE**

JS-SK series are submersible sewage cutter impeller pumps. Available as standard as free standing or can be guide rail mounted. See below for guide rail prices.
Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Complete with 10 metres of power cable. Hose tails are supplied with all models.



GUIDE RAIL SETS DIMENSIONS ON PAGE 18

MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	
JS-3" SR-80	3"	020-504	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 26 - 29



JS-750 SK MAN



JS-750 SK AUTO



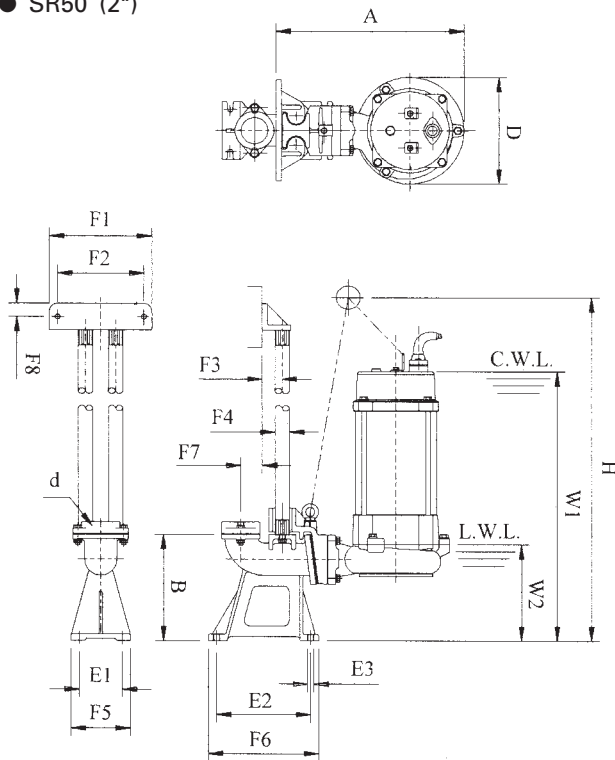
SR-50



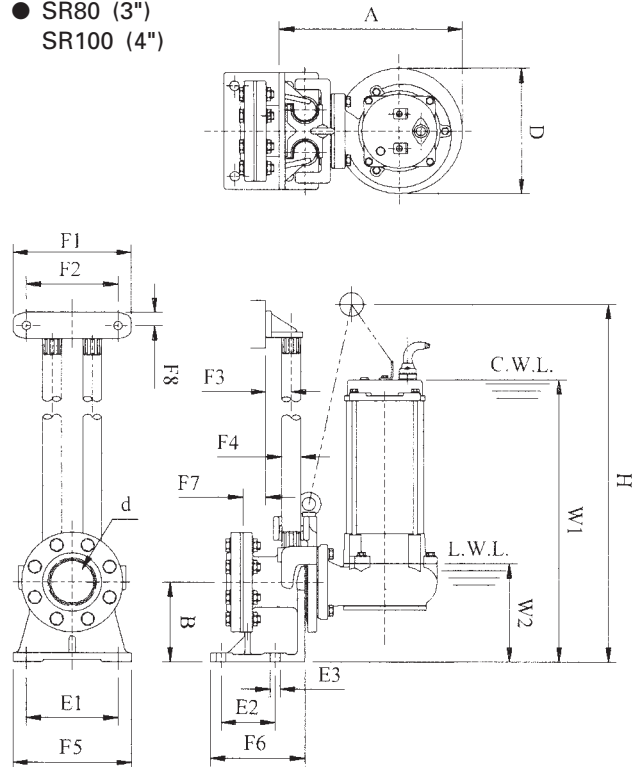
SR-80

GUIDE RAIL DIMENSIONS

● SR50 (2")



● SR80 (3") SR100 (4")



Pump Type	Discharge Bore	Foundation				Guide Rail Fitting Section											
		d	E1	E2	E3	A	B	D	H	F1	F2	F3	F4	F5	F6	F7	F8
JS250	SV	2" (50)	80	175	10	330	200	135	495	190	150	38	25A	110	205	36	25
JS400	SV	2" (50)	80	175	10	330	200	135	515	190	150	38	25A	110	205	36	25
JS650	SV	2" (50)	80	175	10	343	200	135	550	190	150	38	25A	110	205	36	25
JS750	SV	3" (80)	170	100	18	405	260	170	645	225	170	49	32A	225	180	43	20
JS1500	SV	3" (80)	170	100	18	315	150	195	715	225	170	49	32A	220	175	43	20
JST4	SV	2" (50)	80	175	10	330	200	135	495	190	150	38	25A	110	205	36	25
JST8	SV	3" (80)	170	100	18	405	260	170	585	225	170	49	32A	225	180	43	20
JST15	SV	3" (80)	170	100	18	315	150	195	630	225	170	49	32A	220	175	43	20
JST22	SV	3" (80)	170	100	18	355	150	255	685	240	170	49	32A	220	175	43	20
JST37	SV	3" (80)	170	100	18	355	150	255	760	240	170	49	32A	220	175	43	20
JST22	SV4	3" (80)	170	100	18	395	150	255	725	225	170	49	32A	220	175	43	20
JST37	SV4	3" (80)	170	100	18	395	150	255	740	225	170	49	32A	220	175	43	20
JST55	SV4	4" (100)	200	150	19	510	180	315	865	240	200	60	32A	250	225	43	18
JST75	SV4	4" (100)	200	150	19	510	180	315	925	240	200	60	32A	250	225	43	18

JS750	SK	2" (50)	80	175	10	340	200	195	660	190	150	38	25A	110	205	36	25
JS1500	SK	3" (80)	170	100	18	320	150	240	665	225	170	49	32A	220	175	43	20
JST8	SK	2" (50)	80	175	10	340	200	195	600	195	150	38	25A	110	205	36	25
JST15	SK	3" (80)	170	100	18	320	150	240	615	225	170	49	32A	220	175	43	20
JST22	SK	3" (80)	170	100	18	345	150	250	680	225	170	49	32A	220	175	43	20
JST37	SK	4" (100)	200	150	19	570	180	250	775	240	200	60	40A	250	225	73	18
JST55	SK	4" (100)	200	150	19	525	180	260	825	240	200	60	40A	250	225	73	18
JST75	SK	4" (100)	200	150	19	595	180	260	935	240	200	60	40A	250	225	73	18

GS1200		2" (50)	90	178	10	300	200	170	660	150	120	38	25A	115	210	36	15
GS1500		2" (50)	90	178	10	341	200	180	675	150	120	38	25A	115	210	36	15
GST12		2" (50)	90	178	10	336	200	170	615	150	120	38	25A	115	210	36	15
GST15		2" (50)	90	178	10	341	200	180	620	150	120	38	25A	115	210	36	15
GST22		2" (50)	90	178	10	366	200	206	680	150	120	38	25A	115	210	36	15
GST37		2" (50)	90	178	10	366	200	206	740	150	120	38	25A	115	210	36	15

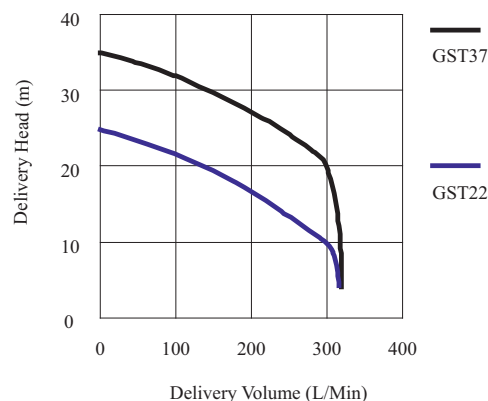
HEAVY DUTY SEWAGE GRINDER PUMPS TUNGSTEN CARBIDE CUTTERS

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
SINGLE PHASE						
GS-1200 1 1/4" MAN 230v	32.6	510 x 170 x 310	120/20	1.2	020-702	
GS-1200 1 1/4" AUTO 230v	32.6	510 x 170 x 310	120/20	1.2	020-702A	
GS-1200 1 1/4" MAN 110v	32.6	510 x 170 x 310	120/20	1.2	020-704	
GS-1200 1 1/4" AUTO 110v	32.6	510 x 170 x 310	120/20	1.2	020-704A	
GS-1500 1 1/4" MAN 230v	36.2	565 x 180 x 315	150/25	1.5	020-707	
GS-1500 1 1/4" AUTO 230v	36.2	565 x 180 x 315	150/25	1.5	020-707A	
THREE PHASE						
GST-12 1 1/4" 415v	30	460 x 170 x 310	120/20	1.2	020-712	
GST-15 1 1/4" 415v	33.8	490 x 180 x 315	150/25	1.5	020-715	
GST-22 2" 415v	48.8	550 x 235 x 370	320/26	2.2	020-720	
GST-37 2" 415v	53	560 x 235 x 370	320/36	3.7	020-737	

GS grinder pumps have tungsten carbide cutters and grinding rings which allow up to 28,000 cuts per minute. Used for domestic and industrial applications where either high heads or long distances prohibit the use of standard submersibles or large bore discharge pipe is not available or uneconomical to install. Hosetails are supplied with all models. Free standing or can be guide rail mounted. See bottom of page for guide rail price. When used in sewage package stations and full control is required see page 27. For basic control panels see page 26. For float switches see pages 28 and 29.



GS-1200 Auto



Cutter & Cutting Ring

GUIDE RAIL SETS SUITS ALL MODELS

MODEL	OUTLET	CODE	PRICE
JS-2" SR-50S	2"	020-501S	



SR-50

KAIMAN SEWAGE GRINDER PUMPS DUAL 1 1/4" + 2" OUTLETS

240v SINGLE PHASE

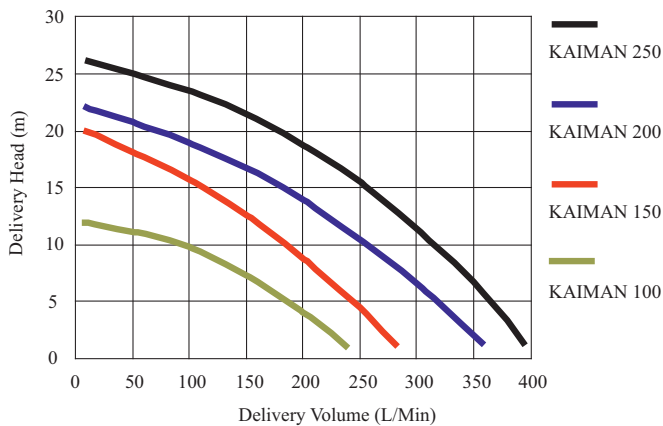
MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
100 M	25	425 x 200 x 280	220/12	1.0	020-810	
100 AUTO	25	425 x 200 x 280	220/12	1.0	020-812	
150 M	31	460 x 230 x 320	290/20	1.1	020-814	
150 AUTO	31	460 x 230 x 320	290/20	1.1	020-816	
200 M	34	460 x 230 x 320	360/22	1.5	020-818	
200 AUTO	34	460 x 230 x 320	360/22	1.5	020-820	
250 M	36	460 x 230 x 320	400/26	1.8	020-822	
250 AUTO	36	460 x 230 x 320	400/26	1.8	020-824	

415v THREE PHASE

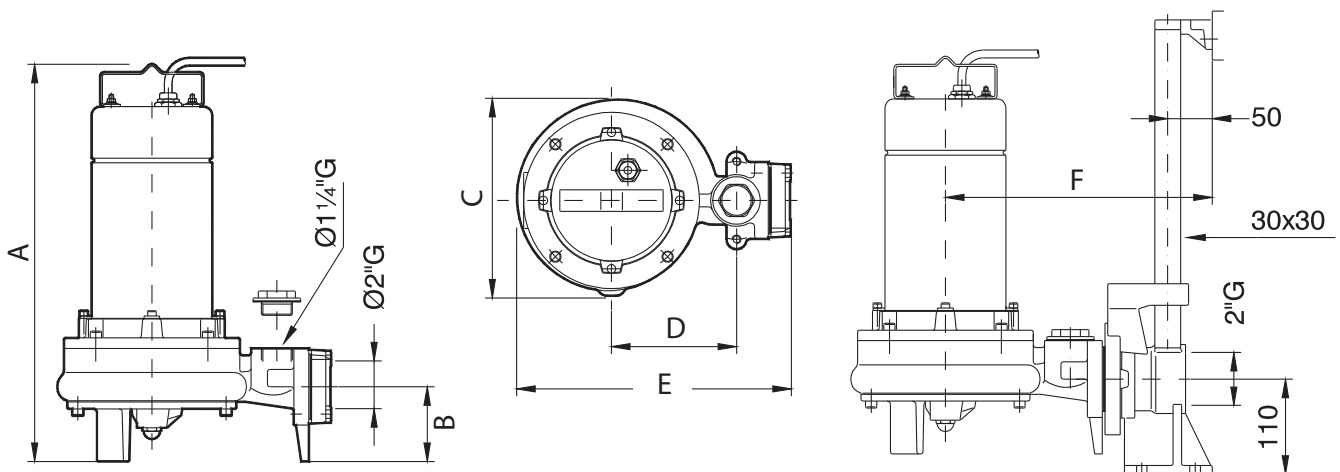
MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
150 T	31	460 x 230 x 320	290/20	1.1	020-826	
150 T AUTO	31	460 x 230 x 320	290/20	1.1	020-828	
200 T	34	460 x 230 x 320	360/22	1.5	020-830	
200 T AUTO	34	460 x 230 x 320	360/22	1.5	020-832	
250 T	36	460 x 230 x 320	400/26	1.8	020-834	
250 T AUTO	36	460 x 230 x 320	400/26	1.8	020-836	



Kaiman Auto



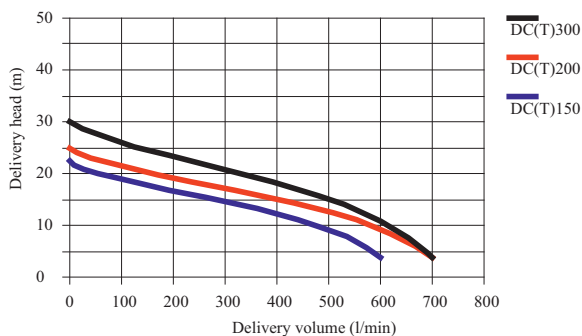
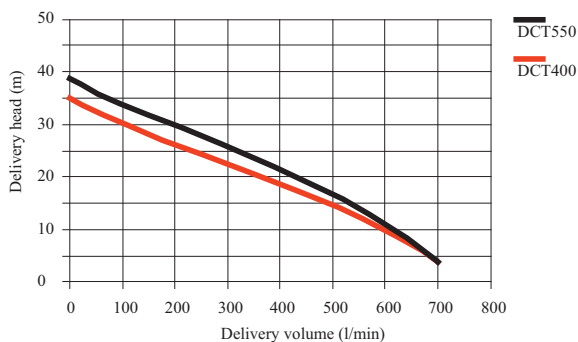
DIMENSIONS						
MODEL	A	B	C	D	E	F
KAIMAN 100	425	68.5	200	125	280	290
KAIMAN 150	460	86.5	230	145	320	310
KAIMAN 200	460	86.5	230	145	320	310
KAIMAN 250	460	86.5	230	145	320	310



PENTAX DC/T HIGH HEAD SUBMERSIBLES

MODEL	KG	H x W x L	LM/HM	kW	AMP	CODE	PRICE
DC 150 230v	34	507 x 282 x 282	600/22	1.1	14.5	DC150	
DC 200 230v	35	507 x 282 x 282	700/25	1.5	18.4	DC200	
DCT 150 415v	34	507 x 282 x 282	600/22	1.1	4.8	DCT150	
DCT 200 415v	35	507 x 282 x 282	700/25	1.5	6.1	DCT200	
DCT 300 415v	36	507 x 282 x 282	700/29	2.2	6.9	DCT300	
DCT 400 415v	58	601 x 350 x 350	700/34	3.0	9.6	DCT400	
DCT 550 415v	60	601 x 350 x 350	700/38	4.0	10.4	DCT550	

- DC/T high head submersibles
- Twin mechanical seals
- Stainless steel shaft, cast iron motor housing and pump section
- Complete with 10 metres of power cable
- DC/T 150, 200 and 300 – 2" bsp outlet and 8mm free passage handling
- DCT400 and 550 – UNI PN10 DN50 flange. Counter flange 2" bsp supplied upon request
- 10mm free passage handling



PENTAX DC 150



PENTAX DCT 400

INDUSTRIAL PUMPS

KZN-H/L INDUSTRIAL HEAVY DUTY PUMPS HIGH HEAD/HIGH FLOW VERSIONS 415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-55 KZN-H	110	820 x 410 x 420	1700/24	5.5	011-088	
JST-75 KZN-H	130	840 x 410 x 420	2300/25	7.5	011-096	
JST-110 KZN-H	240	1100 x 560 x 570	3500/26	11	011-098	
JST-150 KZN-L	265	1100 x 560 x 570	5850/22	15	011-118	
JST-220 KZN-L	410	1493 x 560 x 578	6400/24	22	011-120	

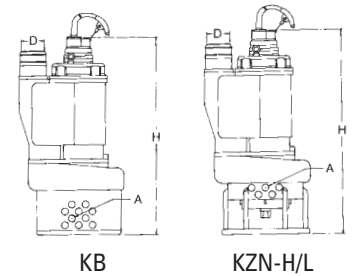
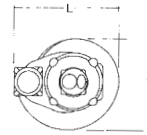
JST-KB 415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-55 KB	107	750 x 345 x 350	1800/25	5.5	011-122	
JST-55 KBH	107	720 x 345 x 350	1300/31	5.5	011-124	
JST-75 KB	137	825 x 345 x 370	1950/32	7.5	011-126	
JST-75 KBH	137	795 x 345 x 370	1550/42	7.5	011-128	
JST-110 KB	146	855 x 345 x 370	1590/41	11	011-130	
JST-110 KBH	146	825 x 345 x 370	1360/50	11	011-132	

APPLICATIONS

KZN-H/L/KB - SLUDGE/SLURRY PUMPS

For muddy liquid generated from civil engineering projects and architectural works. Also suitable for agricultural waste projects.

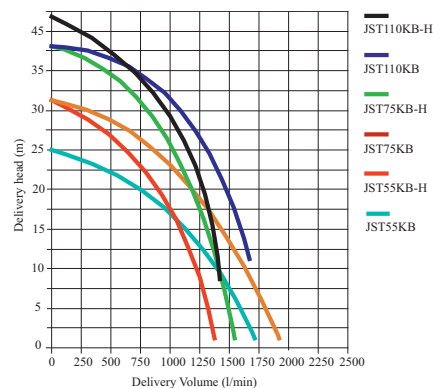
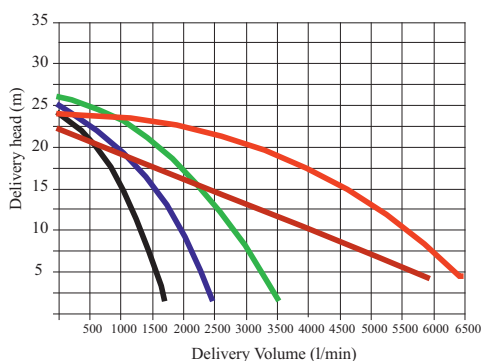


KZN-H/L

KB

KZN-H/L

TYPE	A mm	D inch	L mm	W mm	H mm	(kg)
JST-55 KZN-H	25	3"	420	410	820	120
JST-75 KZN-H	25	4"	420	410	840	130
JST-110 KZN-H	35	4"	565	585	1100	240
JST-150 KZN-L	35	6"	565	585	1100	265
JST-220 KZN-L	35	8"	578	543	1325	410
JST-55 KB	10	4"	350	345	750	107
JST-55 KBH	10	3"	350	345	720	107
JST-75 KB	10	6"	370	345	825	137
JST-75 KBH	10	4"	370	345	795	137
JST-110 KB	10	6"	370	345	855	146
JST-110 KBH	10	4"	370	345	825	146



KB

INDUSTRIAL PUMPS

KZN INDUSTRIAL HEAVY DUTY PUMPS 415v 3 PHASE

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
JST-37 KZN	110	820 x 410 x 420	1500/14	3.7	011-091	
JST-55 KZN	120	820 x 410 x 420	2000/17	5.5	011-093	
JST-75 KZN	130	840 x 410 x 420	2400/19	7.5	011-095	
JST-110 KZN	240	1100 x 560 x 570	4000/22	11	011-097	
JST-150 KZN	265	1100 x 560 x 570	3100/34	15	011-114	
JST-220 KZN	410	1493 x 560 x 578	5200/30	22	011-116	

SAND/SLUDGE/SLURRY PUMPS

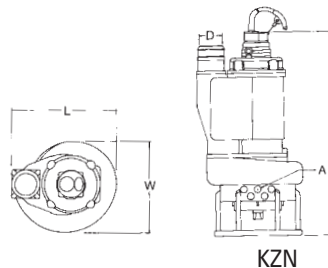
FEATURES

- Heavy Duty Construction
- Top Discharge
- Water Jacket with Axial Flow Cooling
- Double Silicon Mechanical Seal
- Built in agitator. Specially designed to create an inherent mixing action at the pump inlet causing the solids to move into suspension and to help keep the impeller and flow chamber clear and unclogged
- Heavy duty wear resistant impeller and agitator
- Supplied with H07RNF cable as standard
- Armoured cable to suit most duties available upon request

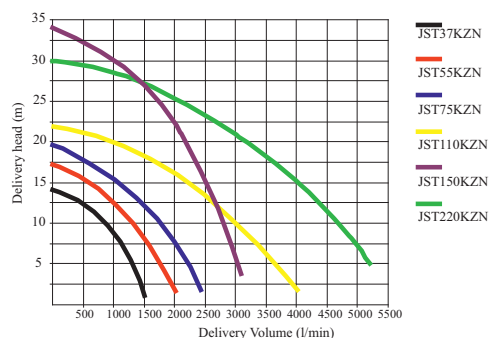
APPLICATIONS

KZN - SLUDGE/SLURRY PUMPS

For muddy liquid generated from civil engineering projects and architectural works. Also suitable for agricultural waste projects.



TYPE	A mm	D inch	L mm	W mm	H mm	(kg)
JST-37 KZN	22	3"	420	410	820	110
JST-55 KZN	25	4"	420	410	820	120
JST-75 KZN	35	4"	420	410	840	130
JST-110 KZN	35	6"	570	560	1100	240
JST-150 KZN	35	6"	570	560	1100	265
JST-220 KZN	35	8"	578	560	1493	410



KZN

EXPLOSION PROOF PUMPS

MODEL	OUTLET	VOLT	RPM	KG	LM/HM	kW	CODE	PRICE
RW AD 1508 2MS	1½"	230v	2850	19	340/10	0.6	011-600	
RW AD 1508 2T	1½"	415v	2850	19	340/10	0.6	011-602	
RW AD 1512 2MS	1½"	230v	2850	20	280/15	0.8	011-604	
RW AD 1512 2T	1½"	415v	2850	19	280/15	0.8	011-608	
RW AD 2010 2M	2"	230v	2850	34	400/8	0.75	011-610	
RW AD 2010 2T	2"	415v	2850	34	400/8	0.75	011-612	
RW AD 2015 2M	2"	230v	2850	34	600/10	1.1	011-614	
RW AD 2015 2T	2"	415v	2850	34	600/10	1.1	011-616	
RW AD 2025 2T	2"	415v	2850	35	600/13	1.8	011-618	
RW AD 2030 2T	2"	415v	2850	36	350/20	2.2	011-620	
RW AD 2015 4T	2"	415v	1425	36	600/6.5	1.1	011-622	
RW AD 3030 2T	3"	415v	2850	70	1050/13	2.2	011-624	
RW AD 3040 2T	3"	415v	2850	72	1000/15	3	011-626	
RW AD 3050 2T	3"	415v	2850	74	1250/19	3.7	011-628	
RW AD 3060 2T	3"	415v	2850	76	1300/22	4.4	011-630	
RW AD 3075 2T	3"	415v	2860	73	1450/25	5.5	011-632	
RW AD 3020 4T	3"	415v	1425	70	1100/5	1.5	011-634	
RW AD 3030 4T	3"	415v	1425	72	1350/6	2.2	011-636	
RW AD 3040 4T	3"	415v	1425	75	1650/8	3	011-638	
RW AD 3050 4T	3"	415v	1425	78	1800/10	3.7	011-640	

Alternative ranges of Explosion Proof Alma Pumps are available, featuring:

- Drainage
- Sewage Vortex
- Sewage Grinder
- Stainless steel pumps
- Drainage pumps up to 8" delivery to approx 13,000 litres per minute
- Most of the small explosion proof pumps are kept in stock
- Larger units available to order



dir.ATEX 100
EN 94/9/EC

Protection EEX d IIB T3

HEAVY DUTY SEWAGE PUMPS

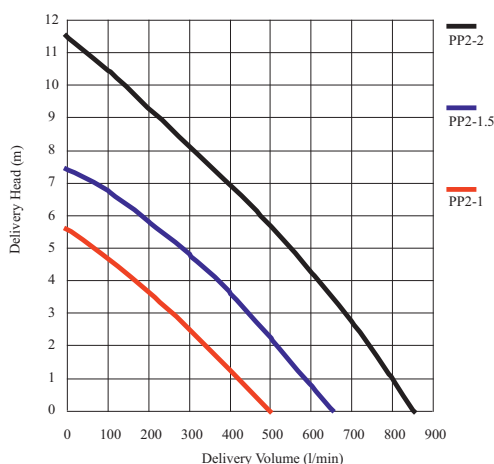
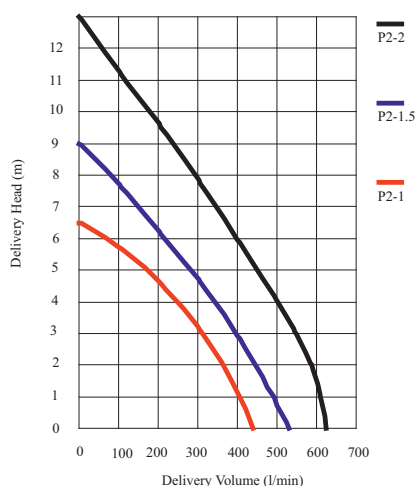
MODEL P – 48mm SOLIDS 2" OUTLET/MODEL PP – 62mm SOLIDS 2½" OUTLET

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
MINIVORT P2-1M 230v	30.4	440 x 195 x 235	420/6	0.75	020-410	
MINIVORT P2-1.5M 230v	30.4	440 x 195 x 235	500/9	1.1	020-420	
MINIVORT P2-2M 230v	32	440 x 195 x 235	600/13	1.5	020-430	
MINIVORT P2-1T 415v	30.4	440 x 195 x 235	420/6	0.75	020-414	
MINIVORT P2-1.5T 415v	30.4	440 x 195 x 235	500/9	1.1	020-424	
MINIVORT P2-2T 415v	32	440 x 195 x 235	600/13	1.5	020-434	
MINIVORT PP2-1M 230v	37.2	475 x 210 x 325	500/6	0.75	020-510	
MINIVORT PP2-1.5M 230v	37.2	475 x 210 x 325	650/7	1.1	020-520	
MINIVORT PP2-2M 230v	40	475 x 210 x 325	800/11	1.5	020-530	
MINIVORT PP2-1T 415v	37.2	475 x 210 x 325	500/6	0.75	020-514	
MINIVORT PP2-1.5T 415v	37.2	475 x 210 x 325	650/7	1.1	020-524	
MINIVORT PP2-2T 415v	40	475 x 210 x 325	800/11	1.5	020-534	

Minivort pumps are built entirely of cast iron making them ideal for those heavy duty sewage applications. Nbr lip sealed followed by single carbon mechanical seal in a lubricated chamber. Supplied with 10 metres of power cable. Single phase versions come complete with external capacitor box. Examples of use – pumping and drainage of dirty water, sewage with suspended soft solids, cesspools and sewage package stations with one or more pumps.

The P range is a freestanding model.

The PP range is also a freestanding model, but can be adapted to suit the SR-80 guide rail set. The Minivort PP can also be adapted to suit most other manufacturers guide rail sets.



MINIVORT P RANGE



MINIVORT PP RANGE

All models can be made to operate automatically, see pages 26 and 27 for control panels and pages 28 and 29 for float switches.

GUIDE RAIL SET TO SUIT MINIVORT PP RANGE

MODEL	OUTLET	CODE	PRICE
MINIVORT JS-3" SR-80	3"	020-505	

FOR CONTROL PANELS AND FLOAT SWITCHES PLEASE SEE PAGES 26 - 29



SR-80 FOR PP MODEL

BASIC CONTROL PANELS

These IP-44 enclosure panels offer single pump control with low voltage to the floats (one or two can be used). The panels offer manual/auto operation and overload protection. For pumps with external capacitors there are pre installed capacitors fitted.

Dimensions: H 200mm W 150mm L 80mm 1.3kg.

No capacitors fitted

Amp	µf	Volt	Code	Price
3	n/a	230v	020-746-3	
5	n/a	230v	020-746-5	
7	n/a	230v	020-746-7	
9	n/a	230v	020-746-9	
13	n/a	230v	020-746-13	
15	n/a	230v	020-746-15	
1.8-2.6	n/a	415v	020-738	
2.7-3.6	n/a	415v	020-739	
3.7-5.5	n/a	415v	020-740	
5.5-8	n/a	415v	020-742	
8-11	n/a	415v	020-743	



With capacitors fitted

Amp	µf	Volt	Code	Price
5	20	230v	020-736	
7	25	230v	020-734	
10	35	230v	020-732	

With fitted capacitor and low level probe control for Wells & Boreholes

Amp	µf	Volt	Code	Price
5	25	230v	020-749	
7	30	230v	020-748	
10	40	230v	020-752	
1.8-2.6	n/a	415v + N	020-753	
2.6-3.7	n/a	415v + N	020-756	
3.7-5.5	n/a	415v + N	020-755	
5.5-8	n/a	415v + N	020-754	



For Probes see page 28.

FULL CONTROL PANELS FOR SEWAGE PUMPS

IP-54 steel enclosure – interlock main isolater – line fuses – starters with overload relays – transformers – hour counters – auto changeover relay (twin pump) – run capacitor facilities (single phase pumps) – pump run and trip indicators – alarm circuit c/w 24v AC power for audible warning.

Overloads are fitted to suit (1–11 Amps), advise when ordering.

Single pump panels require a two float operation (three if using the alarm circuit feature).

Twin pump panels require a three float operation (four if using the alarm circuit feature).

Dimensions: Single Panel H 400mm W 300mm D 160mm 12kg.

Twin Panel H 500mm W 400mm D 200mm 14.5kg.

Model	Duty	Code	Price
CP1SM-13A	1x1ph	020-722	
CP2SM-13A	2x1ph	020-724	
CP1S-13A	1x3ph	020-726	
CP2S-13A	2x3ph	020-728	

OPTIONAL HIGH LEVEL ALARM EQUIPMENT & EXTRAS

Part	Code	Price
RECTIFIER & INTERNAL BUZZER / REMOTE CONNECTION	200-001	
FLASHING BEACON	309-5922	
FLASHING BEACON / SOUNDER	530-6016	
EXTRAS (FOR 5.6-7.5Kw MOTORS, PER ONE)		

5.6-7.5Kw (11–16 Amp) OVERLOAD & CONTACTOR UPGRADE 200-005

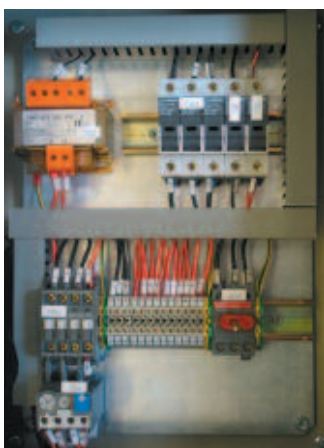
If supplying a flashing beacon only, a rectifier still needs to be fitted to operate



SINGLE PUMP PANEL



TWIN PUMP PANEL



INTERNAL VIEW SINGLE PUMP PANEL



INTERNAL VIEW TWIN PUMP PANEL

CONTROL EQUIPMENT

FLOAT SWITCHES & LEVEL CONTROLS

Basic Floats for Pumps

Basic floats to mount on standard "cabtyre" cable entry.
For replacment and retrofit applications to submersible pumps.

Description	Kg	Code	Price
Mac 3 Float & Gland	0.5	020-001	
Agma 22 c/w 10m Cable	1.2	020-003	

Simple Basic Float

For wall or tank mounting. Twin liquid filled balls working on displacement.
Contacts can be used for filling or emptying differential 50mm to 1 metre.

Description	Kg	Code	Price
ST70-AB	0.6	030-500	

Probe Controls

Submatic electronic control units to be used with two probe "N"s allowing emptying or filling without the need for float switches. Levels are dependent on the difference in the position of the probes.

Description	Kg	Code	Price
Submatic Q 230v/415v	1	030-535	
Submatic Q 110v	1	030-538	

Probes with cables (2 required min)

Description	Kg	Code	Price
Probe "N" 10m	0.8	030-546	
Probe "N" 20m	1.6	030-548	
Probe "N" 30m	2.4	030-544	
Probe "N" 50m	4	030-628	
Probe "N" 100m	8	030-630	

High/Low Level Alarm

Sentinel high/low level alarm can be used for almost any application where detection of high or low level warning needs to be raised. Low voltage output for float connection (**float not included**).
Battery back up in case of mains failure. Can also be supplied with Euro shuko plug.

Description	Kg	Code	Price
Sentinel Alarm Unit	1	020-008	

Single Action Float

Simple single action floats for emptying operations.
2 core connections.

Description	Cable	Kg	Code	Price
Minimatic -I	0.5m	0.5	030-549	
Minimatic -I	5m	0.7	030-550	
Minimatic -I	10m	1.1	030-552	
Minimatic -I	15m	1.5	030-554	
Minimatic -I	20m	1.9	030-556	
Minimatic -I	30m	2.2	030-558	
Counterweight		0.2	030-580	



AGMA



MAC-3

ST70-AB



SUBMATIC Q



2 x PROBE "N"



SENTINEL



MINIMATIC-I

FLOAT SWITCHES & LEVEL CONTROLS

Double Action Float

Double action floats for emptying or filling operation. 3 core connections.

Description	Cable	Kg	Code	Price
Minimatic -C	3m	0.5	030-560	
Minimatic -C	5m	0.7	030-562	
Minimatic -C	10m	1.1	030-564	
Minimatic -C	15m	1.5	030-566	
Minimatic -C	20m	1.9	030-568	
Minimatic -C	30m	3.0	030-570	
Counterweight		0.2	030-580	



MINIMATIC-C

Sewage Floats "MC" Multi-contact

Heavyweight floats for sewage and waste water. Double action floats for emptying or filling operation. 3 core connections. Operation at 5 degrees. Tilt from centre for ease of operation. Sewage floats come complete with counterweight.

Description	Cable	Kg	Code	Price
MC6	6m	1.3	030-620	
MC13	13m	1.9	030-622	
MC20	20m	2.3	030-624	
MC30	30m	3.5	030-626	
MC50	50m	6.0	030-629	
Counterweight		0.2	030-580	



MC



COUNTER WEIGHT

Oil Floats "MC" Multi-contact

Heavyweight floats for diesel fuel, oil and oil waste. Double action floats for emptying or filling operation, oil resistant cable. 3 core connections. Operation at 5 degrees. Tilt from centre for ease of operation.

Description	Cable	Kg	Code	Price
Oil Float 6m	6m	1	030-627	
Oil Float 13m	13m	1.4	030-631	
Oil Float 20m	20m	2.0	030-633	
Counterweight		0.2	030-580	



HG OIL FLOAT



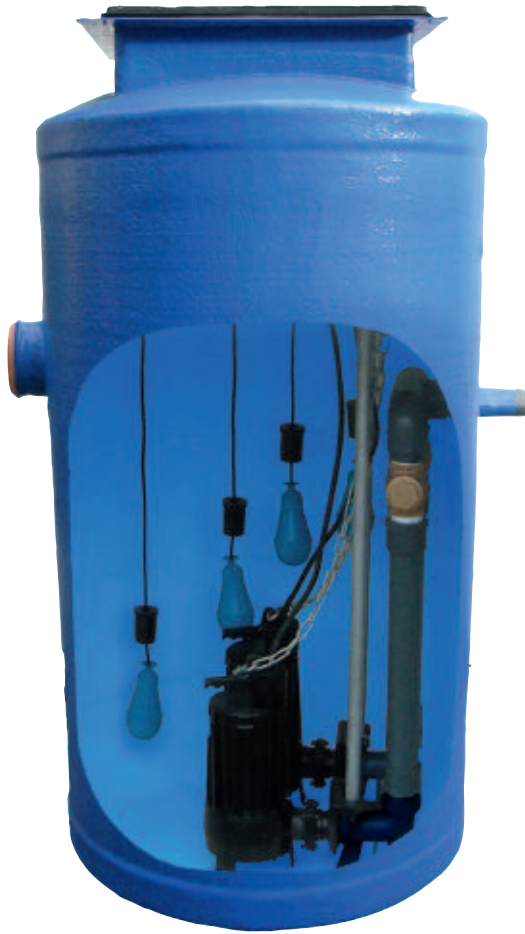
V-HG

High Temperature V "HG" max 130 degree C

V-Hg range are stainless steel bulb floats with silicone cable for hot water and vapour applications where Mercury internals are acceptable. Double action float for emptying and filling 3 core connections operation at 5 degrees. Tilt from centre for ease of operation.

Description	Cable	Kg	Code	Price
Matic V-HG-6	6m	0.6	030-590	
Matic V-HG-10	10m	1.0	030-592	
Matic V-HG-20	20m	1.9	030-594	
Counterweight		0.2	030-580	

TYPICAL PACKAGE SEWAGE STATIONS



WE CAN CUSTOM BUILD SEWAGE VESSELS TO YOUR SPECIFICATIONS

PACKAGE SEWAGE STATIONS

We are happy to build any type or size of sewage station using any of the pumps, vessels and control panel combinations.

WHAT YOU NEED TO CONSIDER:

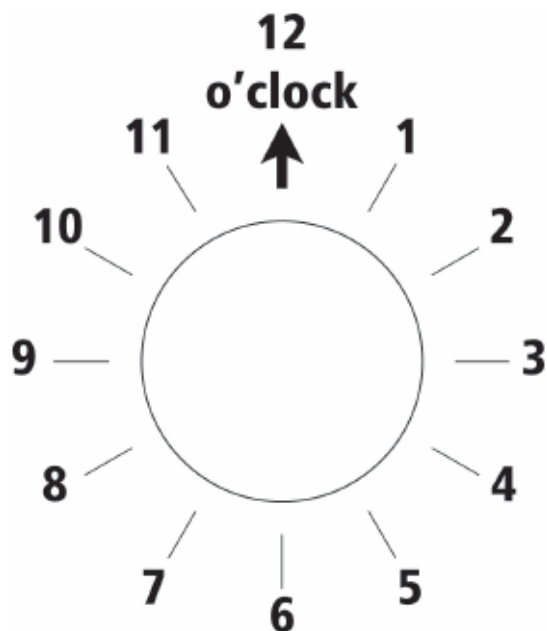
1. AMOUNT OF LIQUID TO BE TRANSFERRED _____ NUMBER OF PEOPLE @ 180LT/DAY _____
2. MAXIMUM TOTAL HEAD AND DISTANCE TO MAIN SEWER _____
3. TYPE OF PUMP AND NUMBER OF PUMPS REQUIRED _____
4. SIZE OF VESSEL REQUIRED _____
(At least one metre depth below the selected outlet level required)
5. TYPE OF PANEL REQUIRED _____
(See pages 26 & 27)
6. TYPE, NUMBER AND LENGTH OF FLOATS REQUIRED _____
(See pages 28 & 29)
7. VALVES, FITTINGS AND INTERNAL PIPEWORK _____
(See page 32)
8. DISCHARGING PIPE TO MAIN _____

IF IN DOUBT PLEASE DO NOT HESITATE TO CALL OUR SALES STAFF WHO WILL BE HAPPY TO ADVISE YOU ON THE CORRECT SELECTION OF EQUIPMENT REQUIRED.

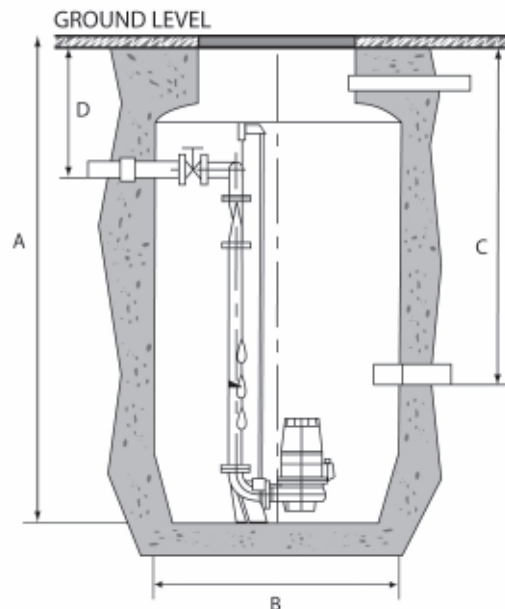
PLEASE NOTE THAT SEWAGE PACKAGE STATIONS WILL REQUIRE SOME ON-SITE ASSEMBLY.

PACKAGED PUMPING STATIONS

CUSTOMERS SPECIFIC FABRICATION INSTRUCTIONS



View looking down on the tank.
Treat this diagram like a clock.
DISCHARGE is set at 12 o'clock -
Indicate the relative positions of INLET/S
and CABLE DUCT and VENT (if required).



ITEM	INDEX	DEPTH (mm)	DIAMETER (mm)	CLOCK FACE POSITION
Tank Depth	A			
Tank Diameter	B			
Inlet	C1			
Inlet	C2			
Inlet	C3			
Discharge	D			12
Cable Duct				
Vent				

WE CAN BUILD TO YOUR SPECIFICATIONS

SEWAGE PACKAGE VESSELS

VESSELS COMPLETE WITH ACCESS COVER
INLET & OUTLET TO CUSTOMER SPECIFICATIONS

SIZE (DIA x DEPTH)	WORKING VOLUME	CODE	PRICE	DELIVERY
1m x 1m	400 lt	020-246		
1m x 2m	1100 lt	020-248		
1.2m x 1.2m	860 lt	020-253		
1.2m x 1.5m	1220 lt	020-254		
1.2m x 2m	1800 lt	020-255		
1.5m x 1.2m	1230 lt	020-247		
1.5m x 1.5m	1760 lt	020-249		
1.5m x 2m	3100 lt	020-250		
1.8 x 2m	3820 lt	020-252		

Delivery charge applies to UK mainland. For other destinations, price on application.

Working volume is based on inlet pipe at 500mm invert. All vessels have benched bottom to avoid sludge build up.

Please Note: Dimensions are internal measurements.



INTERNAL PIPEWORK FOR SEWAGE VESSELS

All sewage stations require internal delivery pipe and the following:- sewage swing check valves, gate valves and quick release unions. The codes cover all internal fittings required in the size listed. Guide rail mounted pumps have solid pipe up to manifold. Free standing pumps have flexible heavy duty connector up to manifold. One code covers all internal parts. Guide rail mounted systems have heavy duty foundation plate moulded into the vessel.

INTERNAL PIPEWORK FREE STANDING PUMPS

PIPE SIZE	No. OF PUMPS	CODE	PRICE
2"	1	020-270	
2"	2	020-272	
3"	1	020-274	
3"	2	020-276	
4"	1	020-278	
4"	2	020-280	

INTERNAL PIPEWORK GUIDE RAIL MOUNTED

PIPE SIZE	No. OF PUMPS	CODE	PRICE
2"	1	020-282	
2"	2	020-284	
3"	1	020-286	
3"	2	020-288	
4"	1	020-290	
4"	2	020-292	

PRICES INCLUSIVE OF HEAVY DUTY IN BUILT FOUNDATION PLATE

VACUSYSTEM SEWAGE STATION SINGLE PUMP

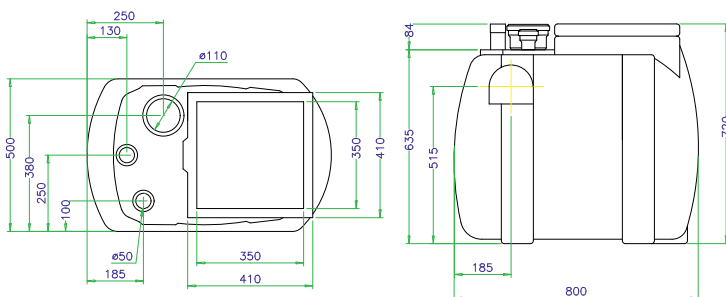
230v

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
VS-170-B300	300	10	40°C	175	YES	YES	40mm	0.9 kw	214-1040	
VS-170-B400	400	12	40°C	175	YES	YES	40mm	1.2 kw	214-1050	

Single Vacusystem models are small basic package stations. Supplied with the Biox range of pumps. Operation by single integral float switch. Includes non return valve and quick release couplings, one 4" 110mm knockout inlet. Being plastic moulded, holes can be drilled to suit. No control panel is included. Outlet discharge is 2" bsp female thread as standard to allow onsite requirements. If the pump is not suited to the application, please contact our sales representatives for information on other models of pump that can be installed.



For illustration purposes only



VACUSYSTEM SEWAGE STATION TWIN PUMP

230v & 415v

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
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SINGLE PHASE 230v MODELS

VS400TP420M	420	11	40°C	550	YES	YES	40mm	2 x 1.3 kw	214-1120	
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THREE PHASE 415v MODELS

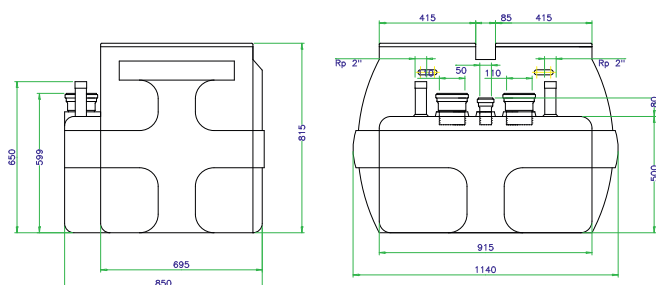
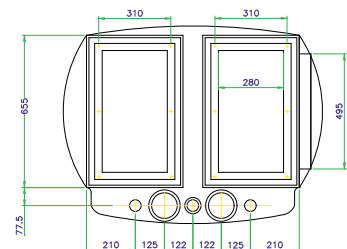
VS400TP460T	460	13	40°C	550	YES	YES	40mm	2 x 1.7 kw	214-1130	
-------------	-----	----	------	-----	-----	-----	------	------------	----------	--

Moulded one piece sump with twin pumps and full control panel for operation as alternating duty and assist, floats included. Supplied with the PrioX range of pumps. Includes non return valves and quick release couplings, two 4" 110mm knockout inlets. Being plastic moulded, holes can be drilled to suit. Full control panel with duty changeover and assist facilities.

Outlet discharges are two 2" bsp female thread as standard to allow onsite manifold requirements to be built. If the pumps are not suited to the application, please contact our sales representatives for information on other models of pump that can be installed.



For illustration purposes only



SELF CONTAINED WASTE PUMPING UNITS



MULTIFLO / COMMERCIAL



MULTISAN



THE ULTIMATE CHOICE IN WASTE PUMPING PACKAGES

SELF CONTAINED WASTE PUMPING UNITS

230v

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
MULTI-FLO	100	10	90°C	25	YES	NO	10mm Max	0.4kw	020-764	
MULTI COMMERCIAL	100	10	90°C	25	YES	NO	10mm Max	0.4kw	020-770	

COMMERCIAL UNIT HAS CHEMICAL SEALS, VESSEL & PRESSURE LEVEL SWITCHING

SELF CONTAINED SEWAGE/WASTE PUMPING UNITS

230v

MODEL	FLOW L/M	HEAD (M)	MAX TEMP	VESSEL LITRE	WASTE WATER	SEWAGE WASTE	SOLIDS	POWER	CODE	PRICE
MAXI-FLUSH	100	6	40°C	17	YES	YES	GRINDER	0.4 kw	020-760	
POWER FLUSH	130	7	40°C	20	YES	YES	GRINDER	1.0 kw	020-782	
MULTISAN	270	6	60°C	17	YES	YES	GRINDER	0.6kw	020-762	

If you don't have gravity drainage (or it is uneconomical to install), this range of packaged sewage and waste water systems will collect and automatically pump the waste water away in most plumbing situations.

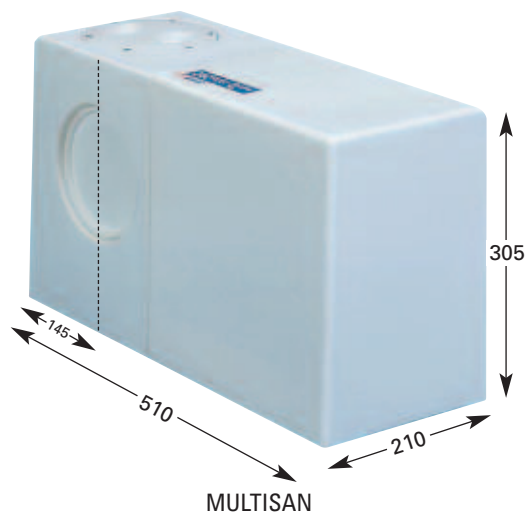
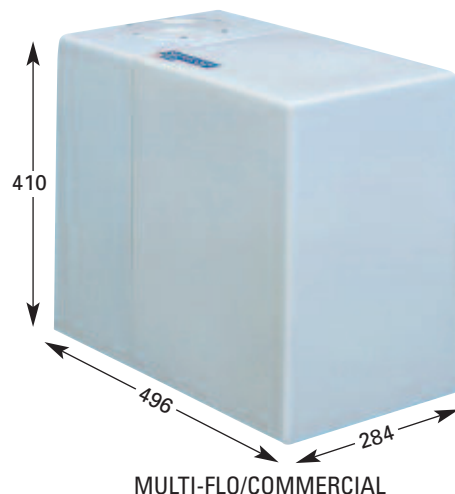
The Multi range have reliable dry mounted motors and are easy to install and service.

Multi-flo and Multi Commercial are designed for under-sink situations, but can be sited elsewhere.

Multi-flo has float switch level switching. Commercial version has chemical seals and pressure level switching.

Multiple choices of waste water inlets can be drilled to suit the application.

Multisan, Maxi & Power Flash are fully automatic pumping systems, specifically designed for pumping waste from a complete bathroom when gravity drainage is not possible or economical to install, and can accept waste connections from a toilet, basin, shower and/or bidet.



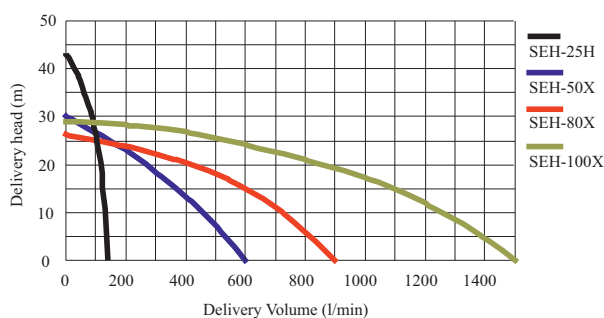
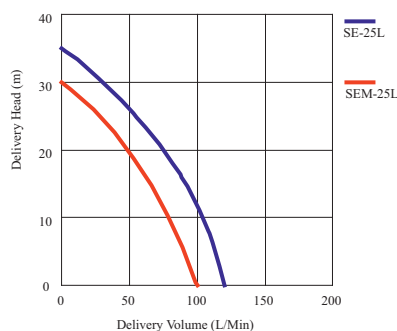
PETROL ENGINE DRIVEN PUMPS

ENGINE PUMPS, 2 STROKE ENGINE POWERED

Light 2 stroke engine pumps for multi-purpose use, light, simple to use and reliable.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEM-25L	*TU22 Mitsubishi	1"	6.5	345 x 260 x 345	100	30	050-003	
SE-25L	EC025 Robin	1"	6	310 x 255 x 347	120	35	050-005	

*Changing to TLE20 Approx April '08 to conform with emissions



SEM-25L



SEH-25H

ENGINE PUMPS, HONDA POWERED WITH OIL ALERT *except GXH50

Ideal for clean and black water applications, construction and agricultural duties, heavy-duty build with iron impeller and volute and carbon/ceramic mechanical seal in full crash frame.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEH-25H	GXH50*	1"	15	360 x 350 x 430	150	35	050-015	
SEH-50x	GX120	2"	24	506 x 402 x 421	620	30	050-022	
SEH-80x	GX160	3"	32	525 x 399 x 476	900	26	050-032	
SEH-100x	GX240	4"	55	650 x 453 x 660	1450	28	050-038	

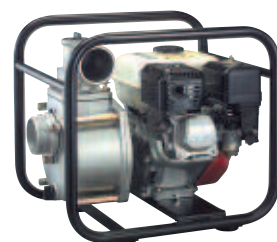
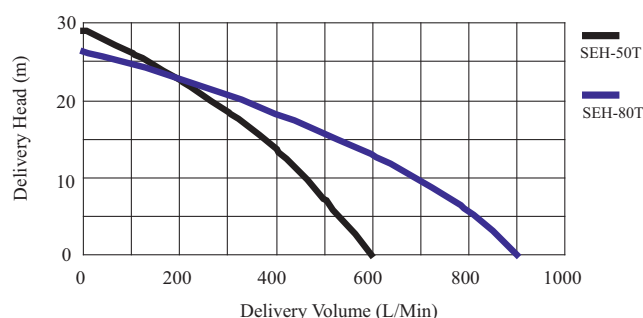


SEH-80X

SEMI TRASH ENGINE PUMPS, HONDA POWERED WITH OIL ALERT

Semi Trash pumps with FCD (Spheroidal Graphite Iron Impeller) and volutes and also a SIC mechanical seal for aggressive applications, solids handling ability 8mm.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SEH-50T	GX120	2"	25	493 x 377 x 420	600	29	050-028	
SEH-80T	GX160	3"	35	530 x 423 x 488	900	26	050-048	

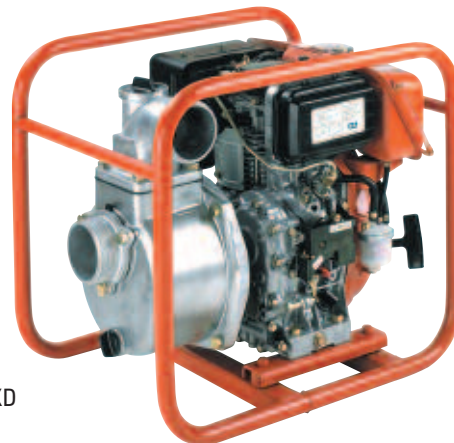
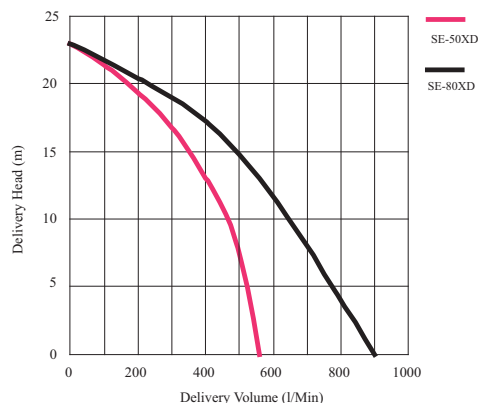


SEH-80T

DIESEL ENGINE DRIVEN PUMPS

DIESEL POWERED CENTRIFUGAL PUMPS RECOIL START

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XD	ROBIN DY23	2"	48	583 x 423 x 515	560	23	050-070	
SE-80XD	ROBIN DY23	3"	51	583 x 423 x 515	900	23	050-075	



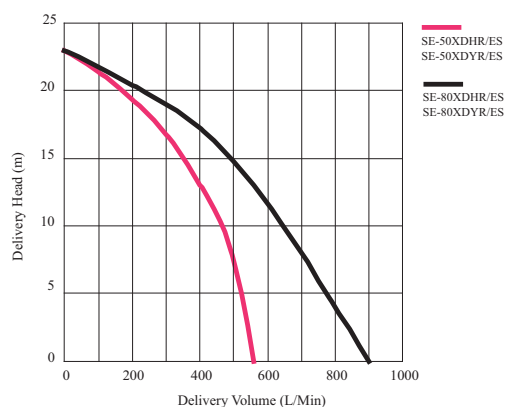
SE-80XD

DIESEL POWERED CENTRIFUGAL PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XDHR	HATZ 1B20	2"	55	700 x 800 x 710	560	23	050-070HR	
SE-50XDYR	YANMAR L48	2"	55	700 x 800 x 710	560	23	050-070YR	
SE-80XDHR	HATZ 1B20	3"	58	700 x 800 x 710	900	23	050-075HR	
SE-80XDYR	YANMAR L48	3"	58	700 x 800 x 710	900	23	050-075YR	

DIESEL POWERED CENTRIFUGAL PUMPS ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SE-50XDHES	HATZ 1B20	2"	65	700 x 800 x 710	560	23	050-070HES	
SE-50XDYES	YANMAR L48	2"	65	700 x 800 x 710	560	23	050-070YES	
SE-80XDHES	HATZ 1B20	3"	68	700 x 800 x 710	900	23	050-075HES	
SE-80XDYES	YANMAR L48	3"	68	700 x 800 x 710	900	23	050-075YES	



SE-50XDHES

ENGINE DRIVEN PUMPS

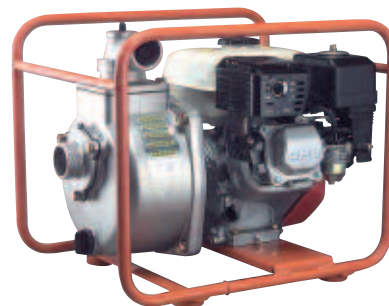
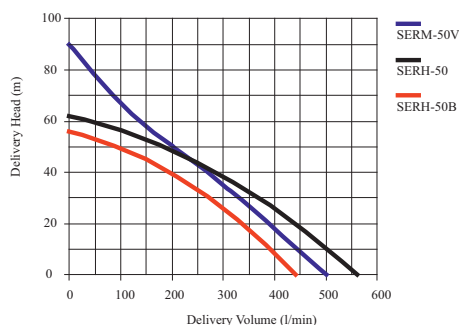
HIGH PRESSURE PUMPS, HONDA & MITSUBISHI ENGINE POWERED

Petrol Engine High Pressure Pump Sets.

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERM-50V	GM182	2"x2"	34	565 x 460 x 483	500	90	050-041	
SERH-50B	GX160	2"x2"	38	620 x 380 x 533	400	60	050-042	
SERH-50	GX240	2 1/2"x2"	49	595 x 420 x 560	550	70	050-072	



SERM-50V



SERH-50B

DIESEL POWERED HIGH PRESSURE PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

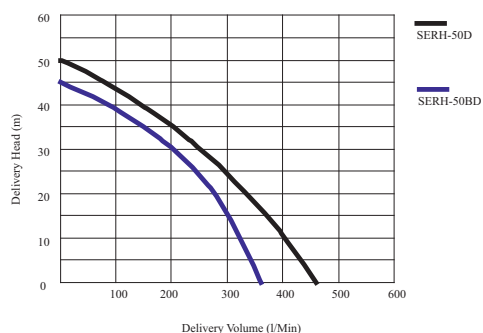
Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERH-50BDHR	1B20	2"x2"	55	700 x 800 x 710	350	45	050-043HR	
SERH-50BDYR	L48	2"x2"	55	700 x 800 x 710	350	45	050-043YR	
SERH-50DHR	1B30	2 1/2"x2"	60	700 x 800 x 710	450	49	050-044HR	
SERH-50DYR	L70	2 1/2"x2"	60	700 x 800 x 710	450	49	050-044YR	

DIESEL POWERED HIGH PRESSURE PUMPS ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Inlet/Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
SERH-50BDHES	1B20	2"x2"	60	700 x 800 x 710	350	45	050-043HES	
SERH-50BDYES	L48	2"x2"	60	700 x 800 x 710	350	45	050-043YES	
SERH-50DHES	1B30	2 1/2"x2"	65	700 x 800 x 710	450	49	050-044HES	
SERH-50DYES	L70	2 1/2"x2"	65	700 x 800 x 710	450	49	050-044YES	



SERH-50DYES



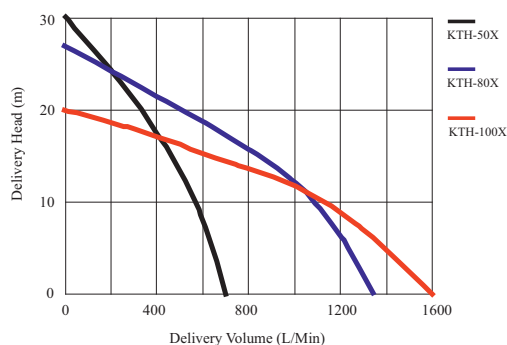
SERH-50BDHES

ENGINE DRIVEN PUMPS

TRASH DUTY ENGINE PUMPS, HONDA POWERED WITH OIL ALERT

Petrol engine trash duty pumps for sewage and muck. Large easy off front cover for cleaning SIC mechanical seals and Hi Chrome Impeller and Spheroidal Graphite Iron volute and solid handling up to 2"-20mm / 3" 27mm / 4"-30mm.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH50x	GX160	2"	51	656 x 498 x 524	700	30	050-074	
KTH80x	GX240	3"	63	721 x 516 x 585	1340	27	050-076	
KTH-100x	GX340	4"	85	790 x 580 x 675	1600	20	050-078	



KTH-50X



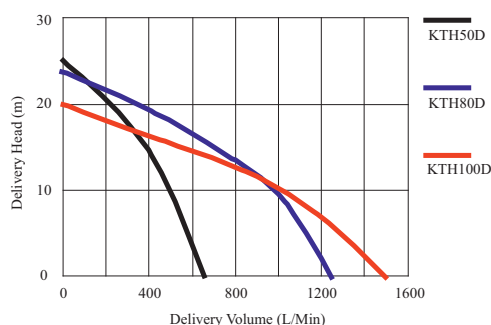
DIESEL POWERED TRASH PUMPS – RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

Heavy duty Koshin trash duty pumps mounted to Hatz & Yanmar diesel engines. For very dirty water and trash duty. Solids handling up to: 2" - 20mm / 3" - 27mm / 4" - 30mm. SIC Mechanical seals and Hi Chrome impeller and Spheroidal Graphite Iron volute.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH-50DHR	Hatz1B20	2"x2"	54	700 x 800 x 710	650	25	050-052HR	
KTY-50DYR	YanmarL48	2"x2"	55	700 x 800 x 710	650	25	050-052YR	
KTH-80DHR	Hatz1B30	3"x3"	99	700 x 800 x 710	1250	24	050-082HR	
KTY-80DYR	YanmarL70	3"x3"	96	700 x 950 x 830	1250	24	050-082YR	
KTH-100DHR	Hatz1B40	4"x4"	140	700 x 950 x 830	1550	20	050-087HR	
KTY-100DYR	YanmarL100	4"x4"	120	700 x 950 x 830	1500	20	050-087YR	

DIESEL POWERED TRASH PUMPS – ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
KTH-50DHES	Hatz1B20	2"x2"	54	700 x 800 x 710	650	25	050-052HES	
KTY-50DYES	YanmarL48	2"x2"	55	700 x 800 x 710	650	25	050-052YES	
KTH-80DHES	Hatz1B30	3"x3"	99	700 x 800 x 710	1250	24	050-082HES	
KTY-80DYES	YanmarL70	3"x3"	96	700 x 950 x 830	1250	24	050-082YES	
KTH-100DHES	Hatz1B40	4"x4"	140	700 x 950 x 830	1550	20	050-087HES	
KTY-100DYES	YanmarL100	4"x4"	120	700 x 950 x 830	1500	20	050-087YES	



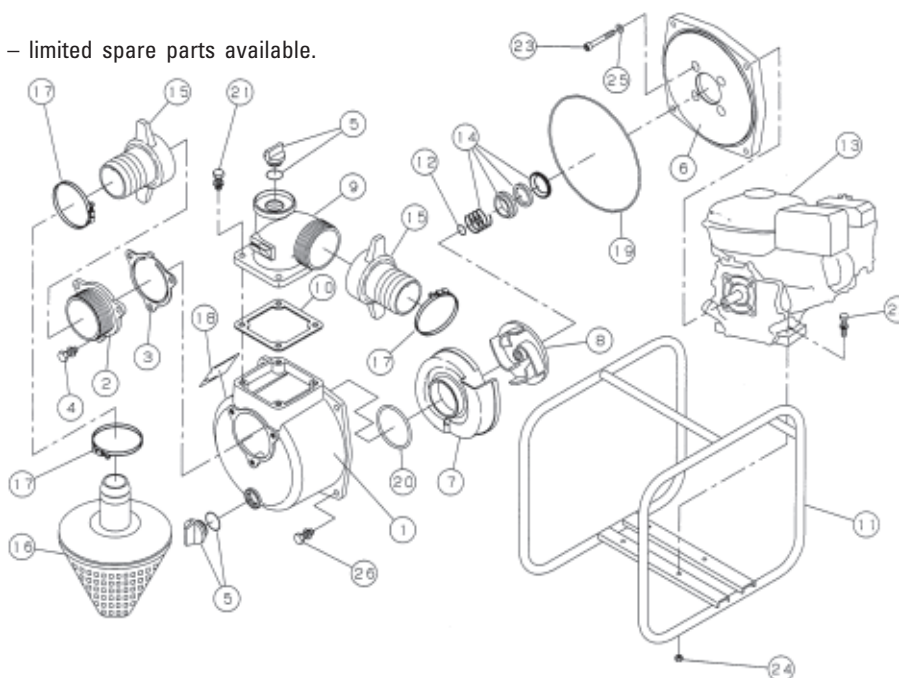
KTH-80DHES



COMMON SPARE PARTS FOR ENGINE PUMPS

PART -	1	2	3	5a	5b	6	7	8	9	10	14	15	19	20
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	HOSE TAILS EACH	O RING CASE	O RING VOLUTE
SE-25L ECO-25GR NEW	0113329 050-960	0113325 050-966	0113326 050-967	0148010 050-600	0118450 050-973	0114992 050-963	0112528 050-964	0114993 050-965	N/A	N/A	0140273 050-968	0348015 050-952	890255031 050-969	889855042 050-972
SEM-25L TU-22	0113329 050-960	0113325 050-966	0113326 050-967	0148010 050-600	0118450 050-973	0115987	0115986	0115985	N/A	N/A	0116054	0348015 050-952	890255031 050-969	889855042 050-972
*SCR-25R EY08	200200100	200200650	200900140	200500040	200500040	200200430	200210160	200210150	200200650	200800080	201100021	0348015 050-952	200900340	200900230
*SEH-25 G100	0113330 050-940	0114002 050-947	0113328 050-948	0118078 050-604	0118078 050-604	0110579 050-942	0114225 050-944	0111447 050-946	0111449 050-949	0110593 050-950	0110673 050-951	0348015 050-952	890255043 050-953	889855048 050-954
SEH-25 GXH-50	0113330 050-940	0114002 050-947	0113328 050-948	0118078 050-604	0118078 050-604	0116926	0116994	0116937	0111449 050-949	0110593 050-950	0110685 050-842	0348015 050-952	890255043 050-953	889855048 050-954
*SEH-50X GX120- OLD	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0112579 050-864	0113175 050-743	0111780 050-804	0110556 050-704	0110541 050-724	0110688 050-844	0117026 050-624	0115014 050-784	011279201 050-764
*SEH-50X GX120- NEW	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0112579 050-864	0114640 050-744	0113532 050-805	0110556 050-704	0110541 050-724	0110688 050-844	0117026 050-624	0115014 050-784	011279201 050-764
SEH-50X GX120 BEJ	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0115268	0114640 050-744	0116616	0110556 050-704	0110541 050-724	0114090	0117026 050-624	0115014 050-784	011279201 050-764
*SEH-80X GX-160 OLD	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0113176 050-746	0110532 050-806	0110570 050-706	0110584 050-726	0110664 050-846	0117028 050-626	0115015 050-786	0113989 050-766
*SEH-80X GX-160 NEW	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0114379 050-747	0114376 050-807	0110570 050-706	0110584 050-726	0110664 050-846	0117028 050-626	0115015 050-786	0113989 050-766
SEH-80X GX-160 BEJ	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0115269	0114379 050-747	0116617	0110570 050-706	0110584 050-726	0114090	0117028 050-626	0115015 050-786	0113989 050-764
SEH-50T GX-120	0112578 050-684	0112662 050-644	0112665 050-664	0118078 050-604	0118078 050-604	0114027	0115169	0115168	0110556 050-704	0110541 050-724	0115159	0117026 050-624	0115014 050-784	011279201 050-764
SEH-80T GX-160	0112795 050-686	0112797 050-646	0112799 050-666	0118078 050-604	0118079 050-607	0112796 050-866	0115541	0115539	0110570 050-706	0110584 050-726	0115159	0117028 050-626	0115015 050-786	0113989 050-766
SERH-50B GX160	0114184 050-692	0114003 050-650	0112799 050-666	0118079 050-607	050-604	0110568 050-870	0112818 050-750	0112861 050-810	0114209 050-712	0110584 050-726	0110863 050-846		0115016 050-792	0113989 050-766
SERH-50 GX240	0114184 050-692	0114004 050-652	0112799 050-666	0118079 050-607	050-604	0110722 050-872	0112819 050-752	0112862 050-812	0114209 050-712	0110584 050-726	0110862 050-852		0115016 050-792	0113989 050-766

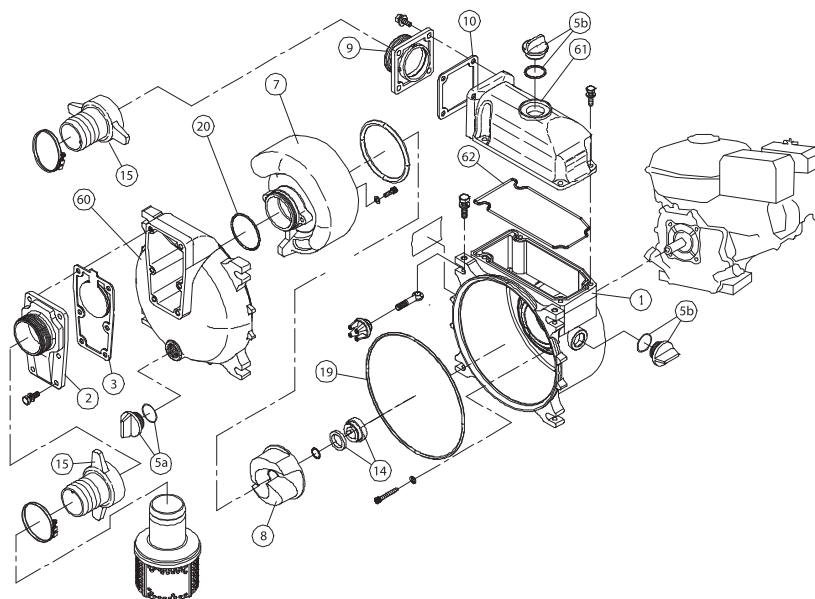
*Discontinued models – limited spare parts available.



COMMON SPARE PARTS FOR ENGINE PUMPS

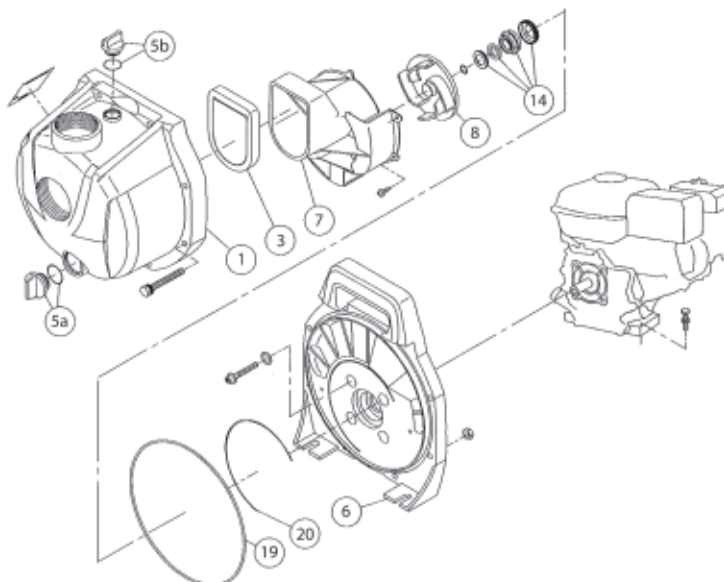
TRASH PUMP SPARES

PART -	1	2	3	5a	5b	6	7	8	9	10	14	19	20	60	61	62
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	O RING CASE	O RING VOLUTE	FRONT COVER	DELIVERY HOUSING	HEAD PACKING
KTH-50X	0115446	0115839	0115780	0118079 050-607	0118450 050-973	N/A	0115489	0115447	0115840	0115490	0115159	0115579	0115676	0115545	0115445	0115548
KTH-80X	0115546	0111573	0115692	0118079 050-607	0118450 050-973	N/A	0115559	0115558	0115838	0110584	0115678	0115579	0115676	0115545	0115547	0115548
KTH-100X	0116150	0116268	0118261	0118079 050-607	0118450 050-973	N/A	0116488	0115626	0116188	0110750	0115678	0115579	0116270	0116490	0116148	0115548



THERMOPLASTIC PUMP SPARES

PART -	1	2	3	5a	5b	6	7	8	9	10	14	19	20	60	61	62
MODEL	PUMP CASE	SUCTION FLANGE	CHECK VALVE	DRAIN BUNG	FILLER BUNG	FLANGE BRACKET	VOLUTE	IMPELLER	DELIVERY FLANGE	GASKET	SEAL	O RING CASE	O RING VOLUTE			
PGH-50	0130024	N/A	0130009	050-604	050-604	0130002	0130003	0130004	N/A	N/A	0130011	0130005	0130008	N/A	N/A	N/A

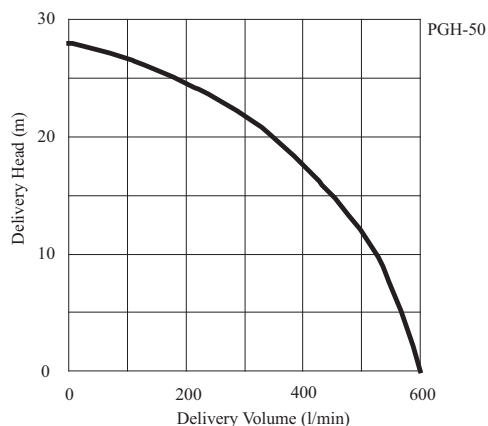


ENGINE DRIVEN PUMPS

PETROL POWERED THERMOPLASTIC PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

Thermoplastic pumps with oil alert for salt water chemicals and fertilizers etc.

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50	HONDA GX120	2" x 2"	22	506 x 402 x 476	600	28	050-024	



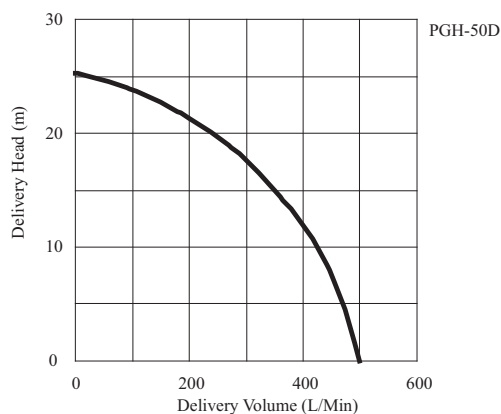
PGH-50

DIESEL POWERED THERMOPLASTIC PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50D	ROBIN DY23	2" x 2"	50	700 x 800 x 710	480	22	050-024D-DY23	
PGH-50DHR	HATZ 1B20	2" x 2"	58	700 x 800 x 710	480	22	050-024DHR	
PGH-50DYR	YANMAR L48	2" x 2"	60	700 x 800 x 710	480	22	050-024DYR	

DIESEL POWERED THERMOPLASTIC PUMPS ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
PGH-50DHES	HATZ 1B20	2" x 2"	58	700 x 800 x 710	480	22	050-024DHES	
PGH-50DYES	YANMAR L48	2" x 2"	60	700 x 800 x 710	480	22	050-024DYES	

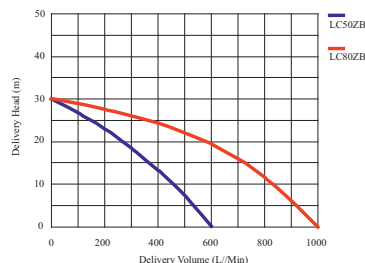


PGH-50DHES

ENGINE DRIVEN PUMPS, LONCIN POWERED

CENTRIFUGAL ENGINE PUMPS WITH OIL ALERT

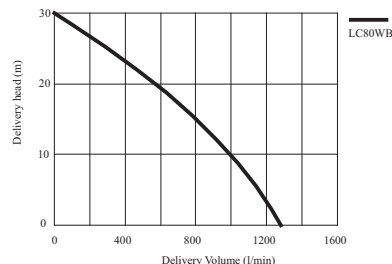
Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
LC 50 ZB	LONCIN G160	2"	24	430 x 550 x 385	600	30	LC 50ZB	
LC 80 ZB	LONCIN G160	3"	29	430 x 550 x 465	1000	30	LC 80ZB	



LC50ZB

TRASH DUTY ENGINE PUMP WITH OIL ALERT

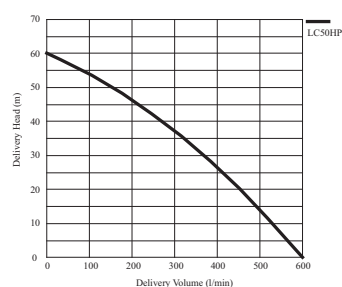
Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
LC 80WB	LONCIN G200	3"	36	480 x 590 x 440	1250	30	LC 80WB	



LCWB30

HIGH PRESSURE ENGINE PUMP WITH OIL ALERT

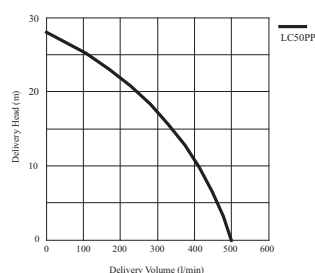
Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
LC 50HP	LONCIN G200	2"	36	390 x 475 x 400	600	60	LC 50HP	



LC50HP

THERMOPLASTIC CENTRIFUGAL ENGINE PUMP WITH OIL ALERT

Model	Engine	Outlet	kg	W x L x H mm	Max l/min	Max Head/m	Code	Price
LC 50PP	LONCIN G160	2"	36	430 x 550 x 380	500	28	LC 50PP	



LC50PP



ENGINE DRIVEN PUMPS

HONDA PETROL POWERED DIAPHRAGM PUMPS CRASH FRAME MOUNTED

Ideal for very dirty water with solids and suitable for running on snore.
Powered by oil alert engines and mounted in full crash frames. Optional trolley available.

Model	Engine	Outlet	kg	WxLxH mm	Max l/min	Max Head/m	Code	Price
SMD50HX	GX120	2"	37.5	614x370x510	126	17	060-820	
SMD80HX	GX160	3"	45	660x420x540	250	18	060-822	

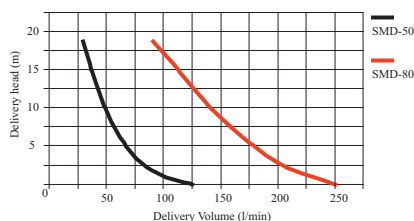
HONDA PETROL POWERED DIAPHRAGM PUMPS TROLLEY MOUNTED

Ideal for very dirty water with solids and suitable for running on snore.
Powered by oil alert engines and mounted in full crash frames.

Model	Engine	Outlet	kg	WxLxH mm	Max l/min	Max Head/m	Code	Price
SMD50HT	GX120	2"	44	700x420x540	126	17	060-820WK	
SMD80HT	GX160	3"	60	700x420x540	250	18	060-822WK	



SMD50X IN CRASH FRAME



SMD50HT TROLLEY MOUNTED

ELECTRIC DIAPHRAGM PUMPS

Ideal for very dirty water with solids and suitable for dry running.
Electric drive via gearbox for ease of operation and simple control by means of panel and floats.

Model	Motor	Outlet	kg	WxLxH mm	Max l/min	Max Head/m	Code	Price
DP2E 230v	2hp 230v	2"	62	700 x 850 x 600	125	16	060-847	
DP2E 110v	2hp 110v	2"	62	700 x 850 x 600	125	16	060-848	
DP2E 415v	2hp 415v	2"	62	700 x 850 x 600	125	16	060-849	
DP3E 230v	2hp 230v	3"	65	700 x 850 x 600	250	18	060-846	
DP3E 110v	2hp 110v	3"	65	700 x 850 x 600	250	18	060-842	
DP3E 415v	2hp 415v	3"	65	700 x 850 x 600	250	18	060-844	



DP2E



DP3E
shown without cover fitted

ENGINE DRIVEN PUMPS

DIESEL POWERED DIAPHRAGM PUMPS RECOIL START

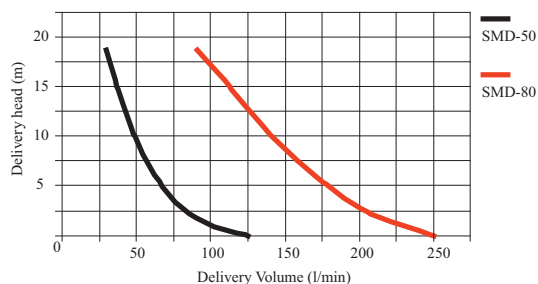
Ideal for very dirty water with solids and suitable for running on snore.
Powered by Hatz or Yanmar engines and wheeled chassis mounted.

Model	Engine	Outlet	kg	WxLxH mm	Max l/min	Max Head/m	Code	Price
DP2YR	Yanmar L48	2"	72	770 x 1000 x 600	126	17	060-812	
DP2HR	Hatz 1B20	2"	72	770 x 1000 x 600	126	17	060-813	
DP3YR	Yanmar L48	3"	76	770 x 1000 x 600	250	18	060-818	
DP3HR	Hatz 1B20	3"	76	770 x 1000 x 600	250	18	060-824	

DIESEL POWERED DIAPHRAGM PUMPS ELECTRIC START

Ideal for very dirty water with solids and suitable for running on snore.
Powered by Hatz or Yanmar engines and wheeled chassis mounted.

Model	Engine	Outlet	kg	WxLxH mm	Max l/min	Max Head/m	Code	Price
DP2YE	Yanmar L48	2"	73	770 x 1000 x 600	126	17	060-815	
DP2HE	Hatz 1B20	2"	73	770 x 1000 x 600	126	17	060-827	
DP3YE	Yanmar L48	3"	83	770 x 1000 x 600	250	18	060-816	
DP3HE	Hatz 1B20	3"	83	770 x 1000 x 600	250	18	060-828	



DP3YE



DP2HR

RUBBER SUCTION HOSE

10 BAR RUBBER WATER SUCTION/DELIVERY HOSE ASSEMBLIES WIRE ARMoured HOSES CW COUPLINGS

SIZE	LENGTH	Kg	WORKING BAR	CODE	PRICE
3"	6 metres	25	10	030-470	
4"	6 metres	34	10	030-475	
6"	3 metres	34	10	030-480	
8"	3 metres	62	10	030-485	

Interchangeable lever-lock couplings



HEAVY DUTY DIESEL ENGINE PUMPS

PERFORMANCE MAXIMUMS		
SIZE	l/min	Head/m
3"	2,100	24
4"	3,000	29
6"	8,700	47
8"	12,000	43

CP-150C
on fast tow

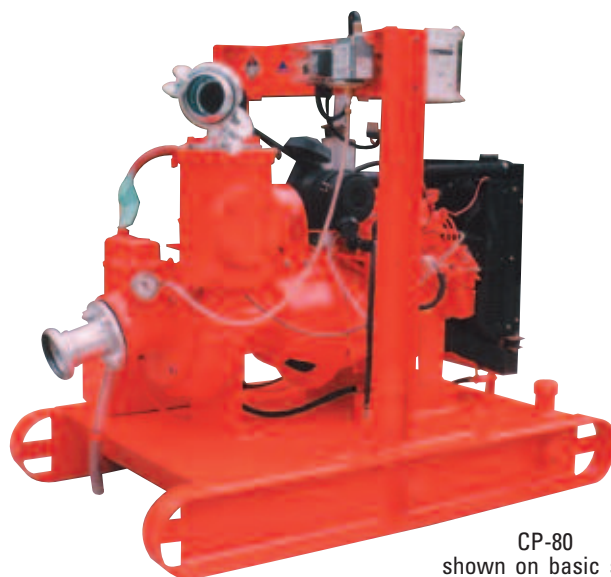


CP RANGE

Heavy duty compressor or vacuum prime contractor pumps for utility use, flood protection, overpumping and well pointing. Electric start.



CP-150QS
on twin axle trailer



CP-80
shown on basic skid

Powered by

- DEUTZ
- HATZ
- ISUZU
- PERKINS



CP-150QS
on skid

QS

QS models in acoustic canopy with noise levels reduced to 62db. Single and twin axle trailer mounted.

Models may differ from those illustrated, according to specification

GENERAL PURPOSE REPLACEMENT ENGINES

LONCIN PETROL



G160



G240



Parallel key way



Generator shaft

Loncin general purpose replacement engines, see pages 134-136 for more information

CHANGFA DIESEL



CF170
Recoil Start



CF170E
Electric Start with Charging Circuit

Changfa Diesel replacement engines, see page 137 for more information

ENGINE DRIVEN PUMPS

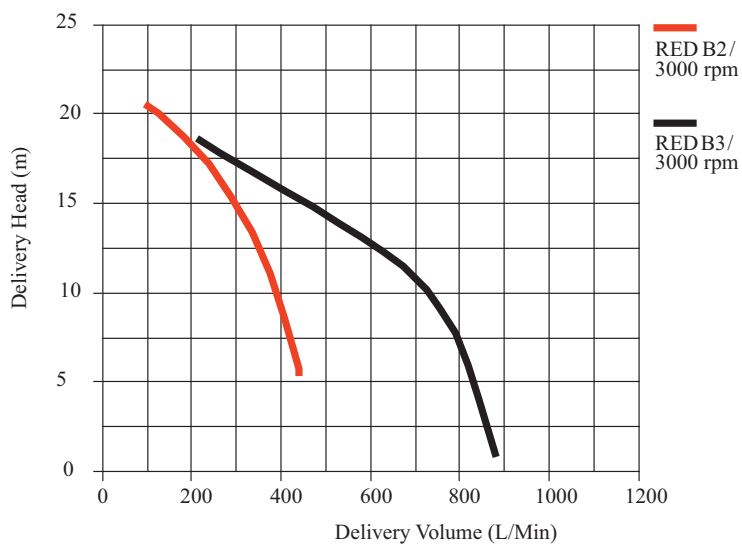
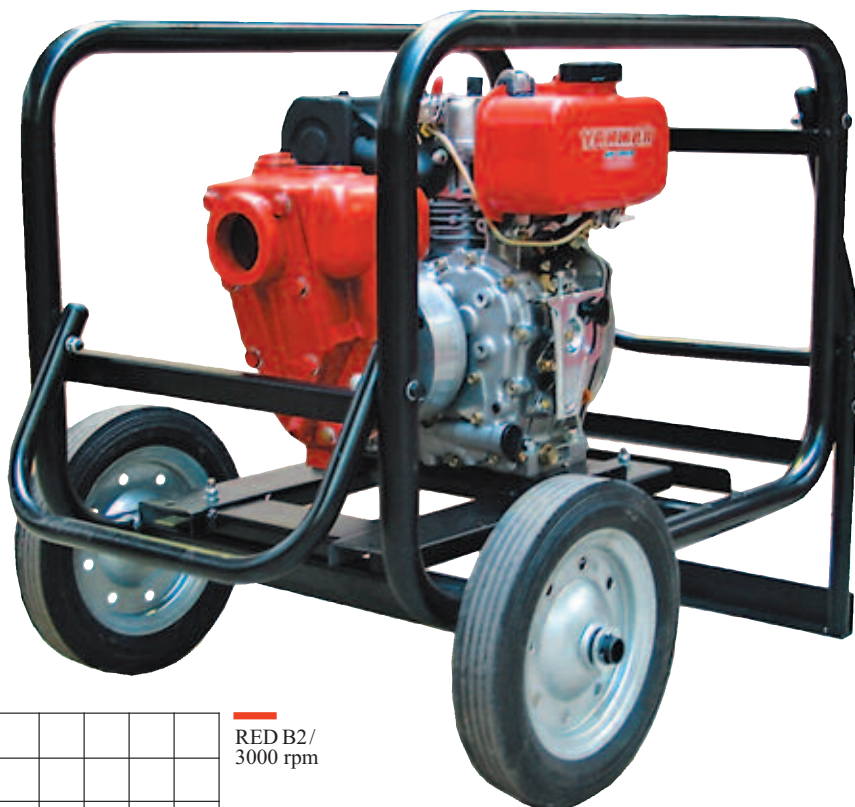
DIESEL ENGINE POWERED DIESEL TRANSFER PUMPS RECOIL START C/W FULL CRASH FRAME & WHEEL KIT

MODEL	ENGINE	PORT	KG	H x W x L	MAX l/min	MAX Head/m	CODE	PRICE
RED B2KQA YR	YanmarL48	2"x2"	50	820x700x1030	420	20	070-200YR	
RED B2KQA HR	Hatz1B20	2"x2"	50	820x700x1030	420	20	070-200HR	
RED B3KQA YR	YanmarL70	3"x3"	60	820x700x1030	870	17	070-300YR	
RED B3KQA HR	Hatz1B30	3"x3"	60	820x700x1030	870	17	070-300HR	

DIESEL ENGINE POWERED DIESEL TRANSFER PUMPS ELECTRIC START C/W FULL CRASH FRAME & WHEEL KIT

MODEL	ENGINE	PORT	KG	H x W x L	MAX l/min	MAX Head/m	CODE	PRICE
RED B2KQA YE	YanmarL48	2"x2"	50	820x700x1030	420	20	070-200YE	
RED B2KQA HE	Hatz1B20	2"x2"	50	820x700x1030	420	20	070-200HE	
RED B3KQA YE	YanmarL70	3"x3"	60	820x700x1030	870	17	070-300YE	
RED B3KQA HE	Hatz1B30	3"x3"	60	820x700x1030	870	17	070-300HE	

Heavy duty diesel powered diesel transfer pump in full crash frame. Complete with spark arrestor. Viton seals and o rings. Allow build time of approx. 2-3 days.



RED B2KQA YR

PETROL AND DIESEL GENERATORS

LC SERIES



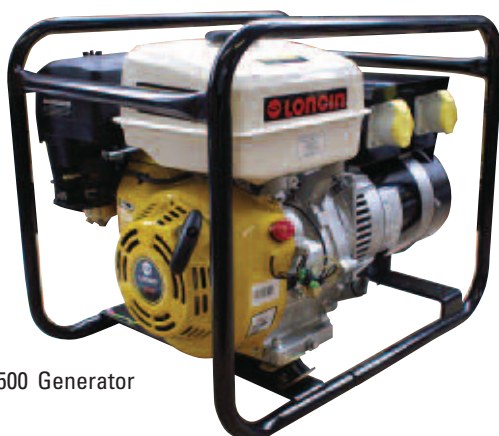
LONCIN LC2500 DC Generator

LC series, see page 133 for more information



LONCIN LC6500 DDC Generator
shown with wheel kit

EN SERIES PETROL GENERATORS



LONCIN EN3500 Generator



LONCIN EN2500 Generator

EN series, see page 131 for more information

CHANGFA DIESEL GENERATORS



CED6500XE



CED4000XE

Changfa diesel engine generators, see page 132 for more information

PRESSURE WASHERS

PETROL ENGINE DRIVEN PRESSURE WASHERS

MODEL	KG	H x W x L	HP	LM/BAR	ENGINE	INTERPUMP	GEARBOX	DIRECT	CODE	PRICE
8-100T	40	800 x 520 x 560	4	8/100	G120	WW906CVB	–	✓	700-1142	
8-100F	40	380 x 350 x 470	4	8/100	G120	WW906CVB	–	✓	700-1142F	
14-150T	43	800 x 520 x 790	6.5	14/150	G200	SA154	✓	-	700-1099	
21-200T	72	840 x 600 x 920	13	21/200	G390	SA202	✓	-	700-1145	



Engine driven pressure washers complete with filtration system, quick release couplings on all hoses, detergent application as standard, model 8-100 has an 800mm lance, 14-150 & 21-200 have a 900mm lance, wash gun with swivel and high pressure hose

For more information please contact our sales staff

ACCESSORIES

Full Spec High Quality Suction Hose manufactured for use as Suction and Delivery Hose with High Pressure and Vacuum Resistance. Sold by the coil or cut to size.

SUCTION & DELIVERY HOSE

1" 25mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.45	8	24	030-322	
5m	2.25	8	24	030-380	
10m	4.5	8	24	030-400	
20m	9	8	24	030-402	
30m	13.5	8	24	030-404	
50m	18	8	24	030-406	

1 1/4" 30mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.57	7	21	030-324	
10m	5.7	7	21	030-410	
20m	30.4	7	21	030-412	
30m	36.1	7	21	030-414	
50m	41.8	7	21	030-416	

1 1/2" 38mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.67	6	18	030-326	
10m	6.7	6	18	030-424	
30m	20.1	6	18	030-422	

2" 50mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1	6	18	030-328	
6m	6	6	18	030-390	
10m	10	6	18	030-426	
20m	20	6	18	030-428	
30m	30	6	18	030-430	
50m	50	6	18	030-432	

**For Hose
Accessories**
See Pages
96 – 99

ACCESSORIES

Full Spec High Quality Suction Hose manufactured for use as Suction and Delivery Hose with High Pressure and Vacuum Resistance. Sold by the coil or cut to size.

SUCTION & DELIVERY HOSE

2½" 65mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.4	5	15	030-329	
30m	42	5	15	030-438	

3" 76mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.8	4	12	030-330	
6m	10.8	4	12	030-439	
10m	18	4	12	030-440	
20m	36	4	12	030-442	
30m	54	4	12	030-444	

4" 102mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	2.6	4	12	030-332	
30m	78	4	12	030-452	

6" 155mm

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	4.9	3	9	030-334	
20m	98	3	9	030-458	

**For Hose
Accessories**
See Pages
96 – 99



LAYFLAT DELIVERY HOSE

1" 25mm SILVER LINE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.165	7	21	030-300	
10m	1.65	7	21	SH1-010	
20m	3.3	7	21	SH1-020	
50m	8.4	7	21	SH1-050	
100m	16.5	7	21	SH1-100	

1 1/4" 30mm SILVER LINE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.2	7	21	030-302	
10m	2	7	21	SH14-010	
20m	4	7	21	SH14-020	
50m	10	7	21	SH14-050	
100m	20	7	21	SH14-100	

1 1/2" 38mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.15	5	15	030-304	
10m	1.5	5	15	SH15-010	
20m	3	5	15	SH15-020	
50m	8	5	15	SH15-050	
100m	15	5	15	SH15-100	

2" 50mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.27	4.5	13.5	030-306	
10m	2.7	4.5	13.5	SH2-010	
20m	5.4	4.5	13.5	SH2-020	
30m	8.1	4.5	13.5	SH2-030	
50m	13.5	4.5	13.5	SH2-050	
100m	27	4.5	13.5	SH2-100	

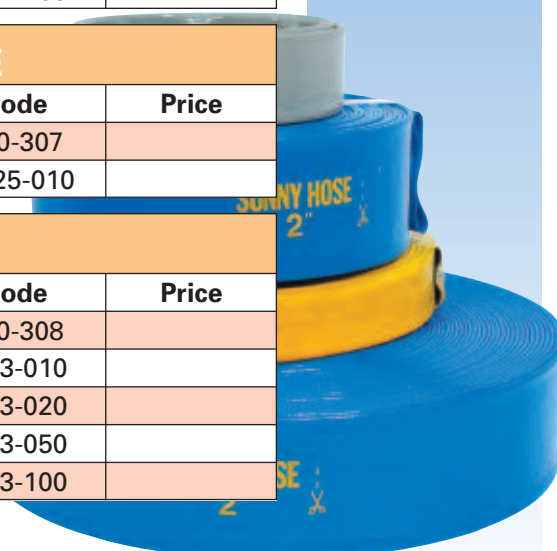
2 1/2" 65mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.39	4	12	030-307	
100m	39	4	12	SH25-010	

3" 76mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	5.4	4	12	030-308	
10m	5.4	4	12	SH3-010	
20m	10.8	4	12	SH3-020	
50m	26.5	4	12	SH3-050	
100m	53	4	12	SH3-100	

**For Hose
Accessories**
See Pages
96 – 99



LAYFLAT DELIVERY HOSE

**For Hose
Accessories**
See Pages
96 – 99

4" 102mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	0.78	4	12	030-310	
10m	7.8	4	12	SH4-010	
20m	15.6	4	12	SH4-020	
30m	23.4	4	12	SH4-030	
50m	36	4	12	SH4-050	
100m	72	4	12	SH4-100	

6" 155mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-312	
50m	60	3	9	SH6-050	
100m	117.5	3	9	SH6-100	

8" 200mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-314	
100m	178	3	9	SH8-100	

10" 250mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-316	
100m	265	2.5	7.5	SH10-100	

12" 300mm SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
Cut p/metre	1.2	3	9	030-318	
100m	291	2	6	SH12-100	

HI SUNNY HOSE

- Heavy duty layflat hose
- Higher burst pressure
- Greater resistance to abrasion
- Stronger durability

4" 102mm HI SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
50m	44	6	18	SH4-050HI SUN	
100m	16.5	6	18	SH4-100HI SUN	

6" 155mm HI SUNNY HOSE

Length	KG	Working Bar	Burst Bar	Code	Price
50m	74	6	18	SH6-050HI SUN	
100m	149	6	18	SH6-100HI SUN	

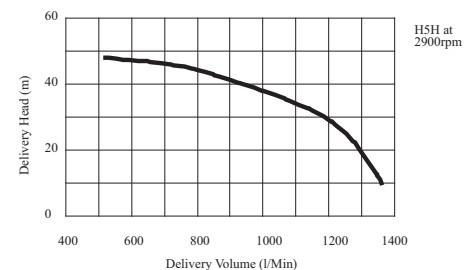
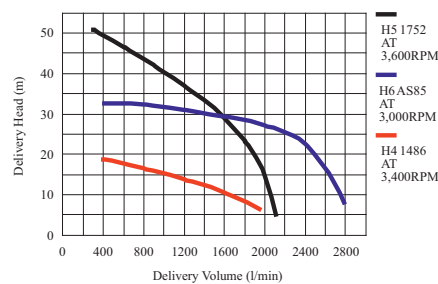
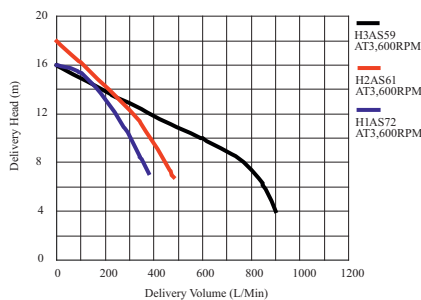
SELF PRIMING CONTRACTOR PUMPS

BARE SHAFT UNITS COMPLETE WITH PULLEY

MODEL	PORT	PULLEY	KG	H x W x L	LM/HM @2900rpm	kW	CODE	PRICE
H1 AS72	1½"	100 x 2A	14.1	300 x 180 x 235	300/16	0.75	070-140	
H2 AS61	2"	100 x 2A	16.1	300 x 185 x 275	480/18	1.5	070-142	
H3 AS59	3"	100 x 2A	18.3	300 x 185 x 295	900/16	2.2	070-144	
H4 1486	4"	100 x 2A	60	405 x 315 x 485	1650/12	4	070-146	
H5 1752★	3"	100 x 2A	51	400 x 280 x 450	1650/25	7.5	070-148	
H5H ASB3★	3"	100 x 2A	57	409 x 285 x 580	1300/47	9.2	070-ASB3	
H6 ASB5★	4"	100 x 2A	71	450 x 365 x 610	2550/28	15	070-ASB5	



Self priming pump complete with pulley. Suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal. High pressure versions, trash duty versions and bronze versions are available. For solids handling see the HG1-6 on page 44 H5H – clean water only.
★ **Available upon request.**



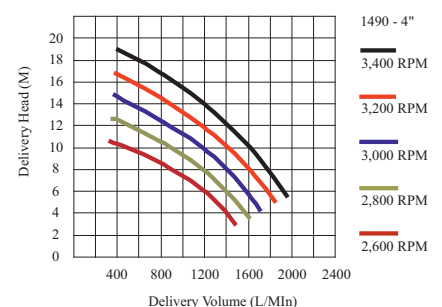
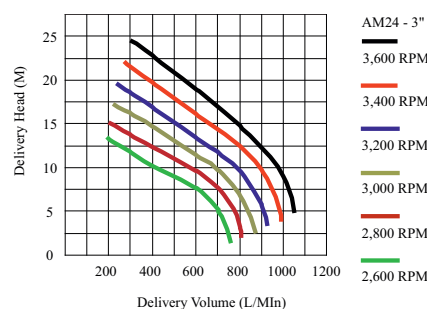
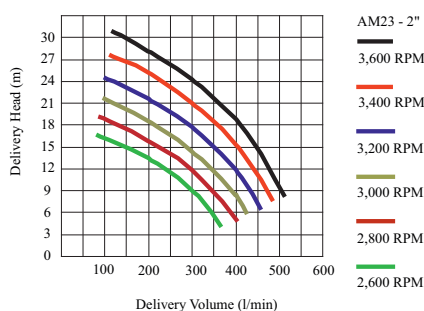
P.T.O. POWERED

MODEL	PORT	RATIO	KG	H x W x L	LM/HM	kW	CODE	PRICE
PTO AM23	2"	1:7.8	20	388 x 218 x 395	650/34@4000rpm	4	070-134	
PTO AM24	3"	1:7.8	22	388 x 218 x 428	1200/30@4000rpm	5.8	070-136	
PTO 1490	4"	1:6.8	64	490 x 315 x 597	2000/18@3600rpm	7.7	070-138	



Self priming pump with gearbox for connecting to tractors by a universal joint. Suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal.

High pressure versions, trash duty versions and bronze versions are available upon request. Also available with hydraulic motor.

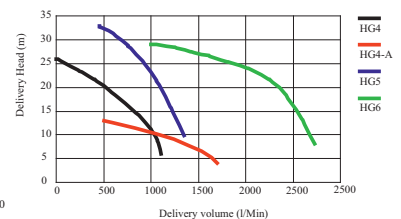
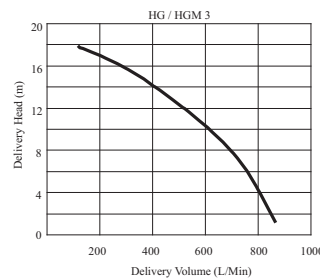
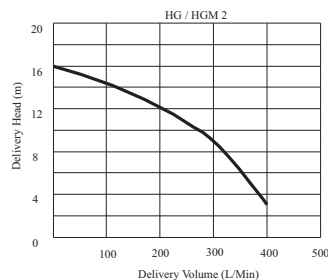
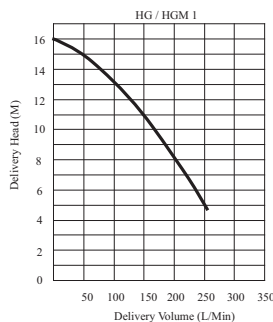


SELF PRIMING CONTRACTOR PUMPS

HEAVY DUTY CAST IRON SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

MODEL	VOLTAGE	PORT	MAX SOLIDS	KG	H x W x L	LM/HM	kW	CODE	PRICE
B1½KQA EA5V (HGM-1)	230v	1½"	6mm	20.5	285 x 185 x 375	250/16	0.75	070-110	
B2KQA 2757 (HGM-2)	230v	2"	8mm	22	300 x 185 x 410	400/16	1.1	070-112	
B2KQ-A EA3C (HGM-2)	110v	2"	8mm	22	300 x 185 x 410	400/16	1.1	070-114	
B3KQA 1780 (HGM-3)	230v	3"	10mm	31.5	300 x 185 x 445	900/18	2.2	070-116	
B1½KQA EA5Z (HG-1)	415v	1½"	6mm	20.5	285 x 185 x 375	250/16	0.75	070-120	
B2KQA 2761 (HG-2)	415v	2"	10mm	22	300 x 185 x 410	500/18	1.1	070-122	
B3KQA 1226 (HG-3)	415v	3"	10mm	31.5	300 x 185 x 445	850/16	2.2	070-124	
B4KQA 1489 (HG-4A)	415v	4"	20mm	64	400 x 315 x 670	1650/12	4	070-125	
B3XR/A EA7P (HG-4)	415v	3"	12mm	65.5	405 x 280 x 650	1100/26	5.5	070-126	
B3XR/A EAL1 (HG-5)	415v	3"	15mm	71.5	405 x 280 x 650	1300/32	7.5	070-128	
EAG5 (HG-6)	415/690v	4"	25mm	115	455 x 365 x 800	2600/30	15	070-130	

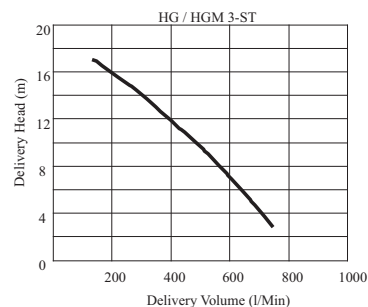
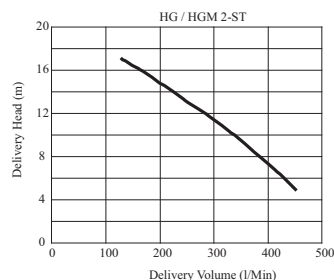
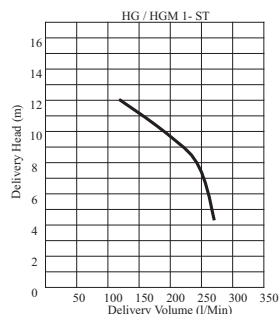
Self priming electric pump with multi blade impeller, suitable for pumping clean or slightly dirty water. Not suitable for pumping abrasives. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Carbon mechanical seal. High pressure versions are available upon request.



TRASH DUTY, SELF PRIMING AND SOLIDS HANDLING REMOVABLE INSPECTION COVER, SIC SEAL AND REPLACEABLE WEAR PLATE

MODEL	VOLTAGE	PORT	MAX SOLIDS	KG	H x W x L	LM/HM	kW	CODE	PRICE
B1½KQA-ST EA6E (HGM1-ST)	230v	1½"	12mm	21	285 x 185 x 375	270/12	0.75	070-001	
B2KQA-ST EAR3 (HGM2-ST)	230v	2"	14mm	24.5	300 x 185 x 375	450/17	1.5	070-002	
B3KQA-ST EAR5 (HGM3-ST)	230v	3"	26mm	32	300 x 185 x 445	750/17	2.2	070-003	
B2KQA-ST EAR4 (HG2T-ST)	415v	2"	14mm	24.5	300 x 185 x 375	750/17	1.5	070-004	
B3KQA-ST EAR6 (HG3T-ST)	415v	3"	26mm	32	300 x 185 x 445	900/15	2.2	070-005	

Self priming electric pump with three blade impeller, suitable for pumping dirty water. This version is provided with an inspection door to remove any blockages that may occur, a wear disc made from stainless steel. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Silicon carbide seal. High pressure versions are available upon request.



SELF PRIMING CONTRACTOR PUMPS

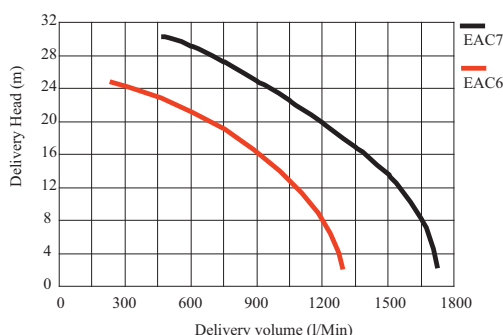
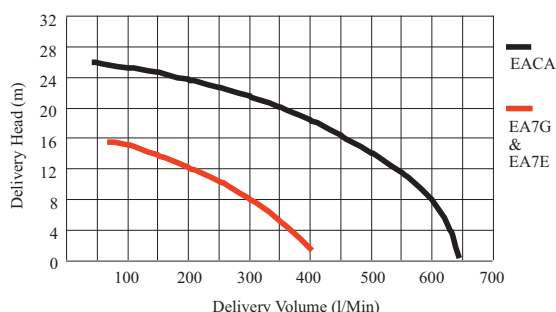
STAINLESS STEEL SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

MODEL	PORT	MAX SOLIDS	KG	H x W x L	LM/HM	kW	CODE	PRICE
EA7G★ 230v	2"	16mm	23.5	300 x 185 x 410	450/17	1.5	070-EA7G	
EA7E★ 415v	2"	16mm	23.5	300 x 185 x 410	450/17	1.5	070-EA7E	
EACA★ 415v	3"	19mm	59.5	400 x 280 x 635	750/25	4	070-EACA	
EAC6★ 415v	3"	24mm	66	405 x 280 x 650	1320/25	5.5	070-EAC6	
EAC7★ 415v	3"	24mm	72	405 x 280 x 650	1650/25	7.5	070-EAC7	



Self priming electric pump suitable for pumping acidic waters, sewage, transferring dilute acid, pumping fruit juice or fluid food stuff. This version is provided with an inspection door to remove any blockages that may occur. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller and shaft are made from stainless steel. Silicon carbide seal.

★ *Available upon request.*



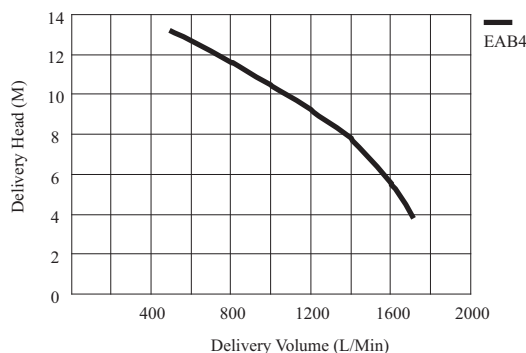
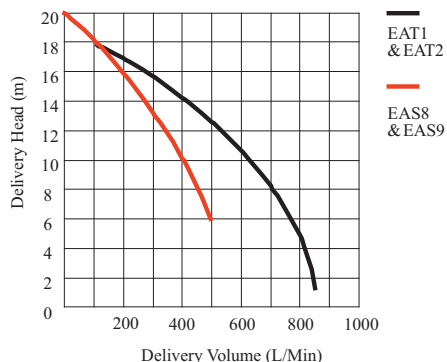
BRONZE SELF PRIMING PUMPS ELECTRIC MOTOR DRIVE

MODEL	PORT	MAX SOLIDS	KG	H x W x L	LM/HM	kW	CODE	PRICE
EAS8 230v	2"	16mm	25	300 x 185 x 410	480/18	1.5	070-020	
EAT1 230v	3"	25mm	33	300 x 185 x 410	900/16	2.2	070-022	
EAS9 415v	2"	16mm	25	300 x 185 x 410	480/18	1.5	070-024	
EAT2 415v	3"	25mm	33	300 x 185 x 445	900/16	2.2	070-026	
EAB4★ 415v	4"	35mm	70	405 x 315 x 670	1650/12	4	070-EAB4	



Self priming electric pump in bronze with open impeller that allows the passage of large solids. Suitable for pumping sea water and the circulation of swimming pools. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from bronze. Stainless steel shaft. Carbon mechanical seal. High pressure/high volume versions are available.

★ *Available upon request.*



SELF PRIMING CONTRACTOR PUMPS

FUEL OIL "RED"

HIGH VOLUME DIESEL FUEL TRANSFER PUMP

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EA2L 230v	1"	15	285 x 216 x 375	120/12	0.55	070-168	
RED EA2V 230v	2"	21	300 x 185 x 410	500/12	1.5	070-166	

RED EA2M 415v	1"	15	285 x 216 x 375	120/12	0.55	070-169	
RED EA1S 415v	2"	21	300 x 185 x 410	500/12	1.5	070-167	
RED EAM7 415v	3"	30	300 x 185 x 445	700/15	2.2	070-165	

Self priming electric pump with open impeller to transfer fuels. Suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.



Fuel Oil "Red"

FUEL OIL "RED"

COMPLETE WITH FLAME PROOF MOTOR

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EAZ3★ 230v	1½"	15.5	300 x 255 x 495	325/15	0.75	070-EAZ3	
RED EA9D★ 230v	2"	27	300 x 280 x 520	500/15	1.5	070-EA9D	
RED EA9E★ 230v	3"	50	300 x 280 x 550	700/15	2.2	070-EA9E	

RED 2140★ 415v	1½"	40	300 x 255 x 495	325/15	0.75	070-2140	
RED 2141★ 415v	2"	27	300 x 280 x 520	500/15	1.5	070-2141	
RED 2138★ 415v	3"	30	300 x 280 x 550	700/15	2.2	070-2138	
RED 2139★ 415v	3"	59	400 x 335 x 685	900/22	4	070-2139	

Self priming electric pump with flame proof motor for the transfer of fuels. Open impeller suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.

Manufactured in accordance with standards ATEX 94/9/CE. ★ Available upon request



Fuel Oil "Red"

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS

Available in 2" or 3".
Hatz and Yanmar engines.
For more information on
these models see page 47



SURFACE MOUNTED PUMPS

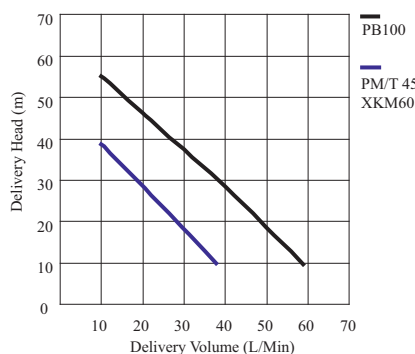
PERIPHERAL TURBINE PUMPS 1" INLET/OUTLET

MODEL	MATERIAL	VOLT	KG	H x W x L	LM/HM	kW	CODE	PRICE
XKM60	CAST IRON	230v	6.2	152 x 130 x 260	40/40	0.37	LEO XKM60	
PM45	BRASS	230v	6.2	155 x 125 x 265	40/40	0.37	022-020	
PMT45	BRASS	415v	6.2	155 x 125 x 265	40/40	0.37	022-024	
PB100	BRASS	230v	8.2	280 x 140 x 170	52/55	0.6	022-040	
PB100	BRASS	415v	8.2	280 x 140 x 170	52/55	0.6	022-044	

The PM/PB range are peripheral turbine pumps, made to develop high pressure with limited flow rates. The pump impeller and pump casing are made of brass.

XKM60 pump impeller made of brass, pump body cast iron.

Clean water only with a maximum temp of 70°C. Used mainly for water pressure boosting of small scale booster systems and washing systems.



XKM60



PM45



PB100

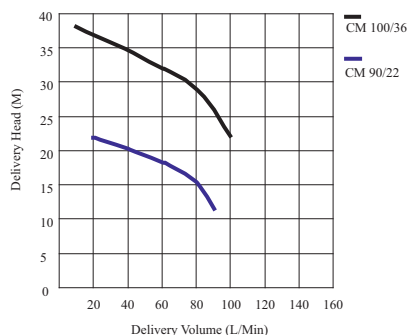
CM CENTRIFUGAL PUMPS – MEDIUM DUTY, LOW PRESSURE 1" INLET/OUTLET

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
CM 90-22 230v	8	202 x 160 x 267	90/22	0.75	022-110	
CM 100-36 230v	12.6	232 x 185 x 310	100/36	1.25	022-120	

High flow, low pressure pumps.

Clean water use with no abrasives.

CM 90-22 has a technopolymer impeller and a max temp rating of 50°C. CM 100-36 has a brass impeller and a max rating of 90°C.



CM 90-22

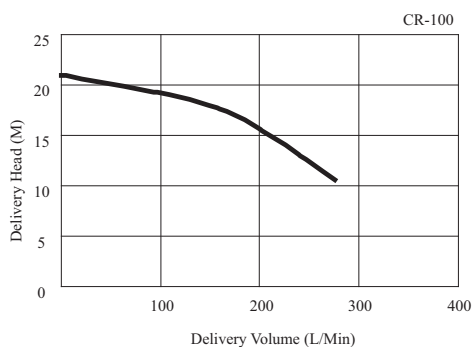
CR100 CENTRIFUGAL PUMPS

OPEN IMPELLER – HIGH FLOW – 10mm SOLIDS HANDLING – 1½" INLET, 1¼" OUTLET

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
CR100 230v	14.4	222 x 170 x 308	300/21	0.75	022-320	
CRT100 415v	14.4	222 x 170 x 308	300/21	0.75	022-322	

High flow, low pressure pumps.

Centrifugal brass open impeller capable of handling up to 10mm soft solids. Cast iron pump body. Carbon mechanical seal.



CR100

SURFACE MOUNTED PUMPS

JET SELF PRIMING CENTRIFUGAL PUMPS TRADITIONAL CAST IRON

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
JET 600M 230v	15	190 x 182 x 400	45/41	0.7	022-260	
JET 1000M 230v	17.8	190 x 182 x 425	70/50	1	022-280	
JET 1000T 415v	17.8	190 x 182 x 425	70/50	1	022-284	
JET 1000M 110v	17.8	190 x 182 x 425	70/50	1	022-282	
JET 100-68M 230v	29.4	235 x 220 x 500	100/68	2	022-292	
JET 100-68T 415v	29.4	235 x 220 x 500	100/68	2	022-293	
JET 100-80T 415v	31	235 x 220 x 500	100/80	2.2	022-294	



Jet Cast Iron

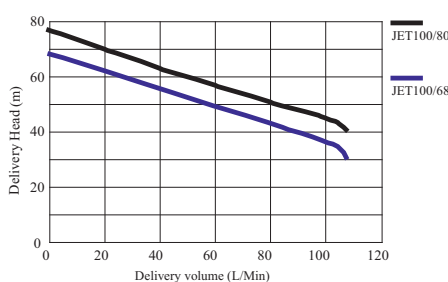
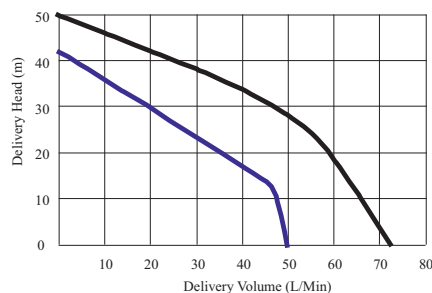
Jet 600/1000 1" inlet/outlet/Jet 100-68/80 1½" inlet 1" outlet.

Cast iron pump body and motor bracket. Impeller, diffuser and venturi system made from technopolymer. (Jet 100-68/80 impeller made from brass).

Clean water only with a maximum temp of 50°C.

Maximum suction height of 7 metres with footvalve.

Main uses include booster systems, washing systems and garden irrigation.



PURA - JET PUMP

GENERAL DUTY PUMP COMPLETE WITH HANDLE, SWITCH AND LEAD - NORYL PUMP BODY

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
PURA 230v	8	184 x 174 x 360	60/42	0.65	022-250	
PURA 110v	8	184 x 174 x 360	60/42	0.65	022-252	



Pura

JET STAINLESS STEEL SELF PRIMING

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
JETINOX 45/42 230v	8	190 x 178 x 351	45/42	0.65	022-253	
JETINOX 60/50 230v	8.6	190 x 178 x 351	60/50	0.8	022-266	
JETINOX 90/50 230v	13	260 x 235 x 430	90/50	1.5	022-286	



Jetinox

Pura, Jetinox 45/42 & 60/50 1" inlet/outlet.

Jetinox 90/50 1½" inlet, 1" outlet.

Pura has noryl pump body.

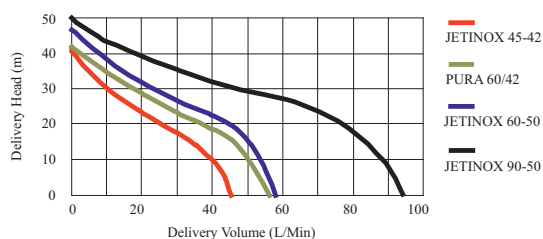
Jetinox have stainless steel pump bodies.

Impeller, diffuser/venturi system made from technopolymer.

Clean water only with a maximum temp of 50°C.

Maximum suction height of 7 metres with footvalve.

Main uses include booster systems, washing systems and garden irrigation.



SURFACE MOUNTED PUMPS

DHI CENTRIFUGAL MULTISTAGE PUMPS 230v STAINLESS STEEL IMPELLERS & DIFFUSERS 1/4" INLET & OUTLET

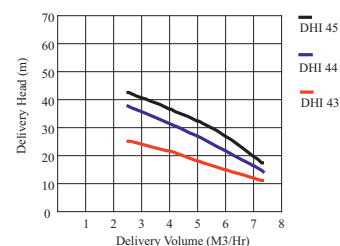
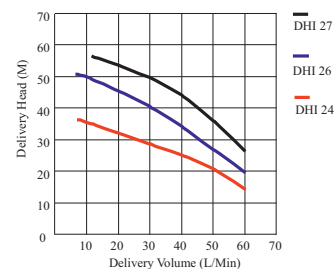
MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
230v Range						
DHI 24M	12	235 x 205 x 400	60/35	0.75	422-1000	
DHI 26M	13	235 x 205 x 430	60/50	0.95	422-1010	
DHI 27M	13	235 x 205 x 460	60/60	1.2	422-1020	
DHI 43M	13	235 x 205 x 400	120/25	0.75	422-1030	
DHI 44M	14	235 x 205 x 430	120/35	1	422-1040	
DHI 45M	17	235 x 205 x 460	120/43	1.25	422-1050	

415v Range

DHI 24T	12	235 x 205 x 400	60/35	0.75	422-1070	
DHI 26T	13	235 x 205 x 430	60/50	0.95	422-1080	
DHI 27T	13	235 x 205 x 460	60/60	1.2	422-1090	
DHI 43T	13	235 x 205 x 400	120/25	0.75	422-1100	
DHI 44T	14	235 x 205 x 430	120/35	1	422-1110	
DHI 45T	17	235 x 205 x 460	120/43	1.25	422-1060	

Base Plate

401-780



DHI horizontal multistage pumps produce high flow and pressure in performance.

Not self priming and should not be allowed to run dry. Stainless steel impellers, diffusers, shaft and seal holder plate. Clean water only with no solids or abrasives and a maximum liquid temperature of 90°C. Examples of uses include water pressure booster systems, irrigation and food and wine industries.



SURFACE MOUNTED PUMPS

MULTINOX-VE VERTICAL MULTISTAGE PUMPS

1 1/4" INLET/OUTLET

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
MULTI-VE 200-40M 230v	20	438 x 204 x 204	200/40	1.5	022-502	
MULTI-VE 200-52M 230v	22	466 x 204 x 204	200/52	1.8	022-504	
MULTI-VE 200-65M 230v	24	504 x 204 x 204	200/65	2	022-505	
MULTI-VE 200-40T 415v	20	438 x 204 x 204	200/40	1.5	022-503	
MULTI-VE 200-52T 415v	22	466 x 204 x 204	200/52	1.8	022-506	
MULTI-VE 200-65T 415v	24	504 x 204 x 204	200/65	2	022-508	
MULTI-VE 200-80T 415v	26	525 x 204 x 204	200/80	2.6	022-510	
MULTI-VE 200-90T 415v	28	555 x 204 x 204	200/90	2.7	022-511	
MULTI-VE 200-110T 415v	36	600 x 204 x 204	200/110	3	022-512	

Multinox VE vertical multistage pumps are used for a range of pressure boosting applications.

High performance along with various different pressures available throughout the range.

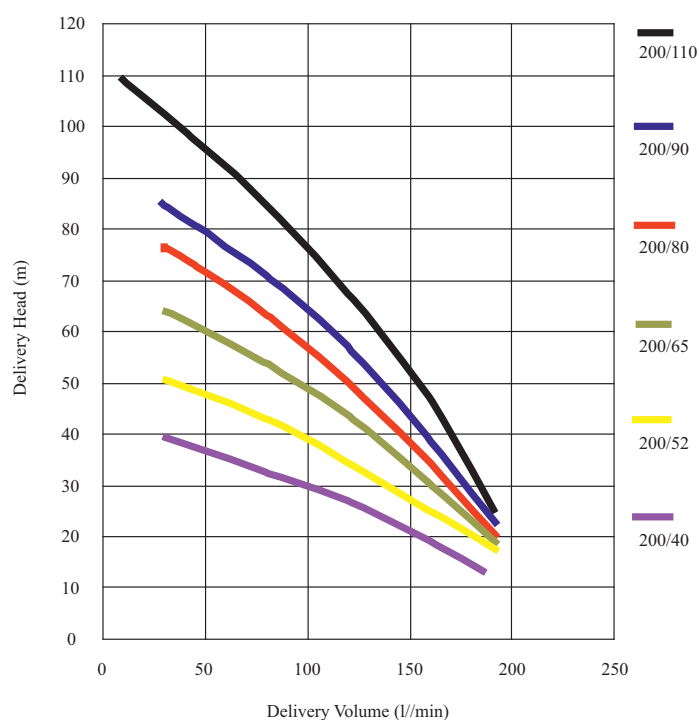
Booster units, single or twin or as a wash down set are just some examples of what this range can offer.

Ideal when high performance and compact dimensions are required.

Clean water only with no suspended solids or abrasive material.

These units cannot be run dry. Maximum liquid temp 50°C.

Impellers and diffusers made from technopolymer.



SURFACE MOUNTED PUMPS

MCX CENTRIFUGAL MULTISTAGE PUMPS 230v

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
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230v Range

MCX 80-36 M	1"	7	190 x 174 x 296	80/36	0.6	022-210	
MCX 80-48 M	1"	7	190 x 174 x 318	80/48	0.8	022-220	
MCX 80-60 M	1"	10	195 x 174 x 360	80/60	1	022-027	
MCX 120-48 M	1"	10	195 x 174 x 338	120/48	1.1	022-230	
MCX 120-60 M	1"	10	195 x 174 x 360	120/60	1.25	022-240	
MCX 200-40 M	1 1/4"	14	235 x 205 x 400	200/40	1.5	022-247	
MCX 200-52 M	1 1/4"	16	235 x 205 x 430	200/52	1.8	022-248	
MCX 200-65 M	1 1/4"	18	235 x 205 x 460	200/65	2	022-241	

415v Range

MCX 80-36 T	1"	7	190 x 174 x 296	80/36	0.6	022-215	
MCX 80-48 T	1"	7	190 x 174 x 318	80/48	0.8	022-225	
MCX 80-60 T	1"	10	195 x 174 x 360	80/60	1	022-029	
MCX 120-48 T	1"	10	195 x 174 x 338	120/48	1.1	022-235	
MCX 120-60 T	1"	10	195 x 174 x 360	120/60	1.25	022-245	
MCX 200-40 T	1 1/4"	14	235 x 205 x 400	200/40	1.5	022-010	
MCX 200-52 T	1 1/4"	16	235 x 205 x 430	200/52	1.8	022-012	
MCX 200-65 T	1 1/4"	18	235 x 205 x 460	200/65	2	022-249	

Stainless Steel Base Plate for 80&120

401-770

Stainless Steel Base Plate for 200

401-780

MCX horizontal multistage pumps produce high flow and pressure in performance. Not self priming and should not be allowed to run dry. Technopolymer impellers and diffusers. Clean water only with no solids or abrasives and a maximum liquid temperature of 50°C. Examples of uses include water pressure booster systems, washing and irrigation.



MAX SELF PRIMING CENTRIFUGAL MULTISTAGE PUMPS

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
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MAX 80-48M 230v	1"	9	182 x 176 x 370	80/48	0.8	022-190	
MAX 120-60M 230v	1"	12	192 x 176 x 415	120/60	1.25	022-194	

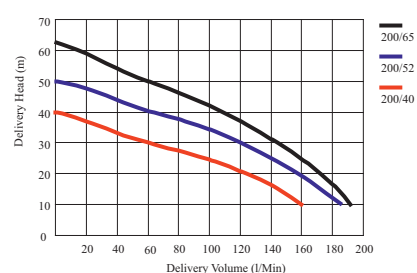
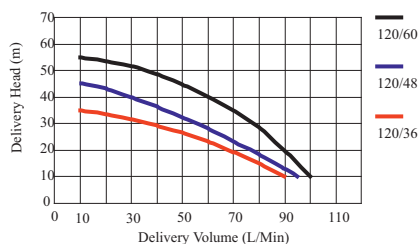
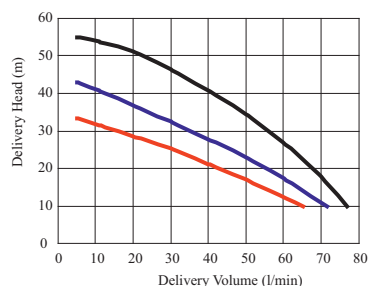
MAX 80-48T 415v	1"	9	182 x 176 x 370	80/48	0.8	022-192	
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MAX 120-60T 415v	1"	12	192 x 176 x 415	120/60	1.25	022-196	
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Stainless Steel Base Plate for 80 & 120

401-770

As MCX range but self priming. Maximum suction height 7 metres with foot valve. For MAX pre-built booster sets see page 66.

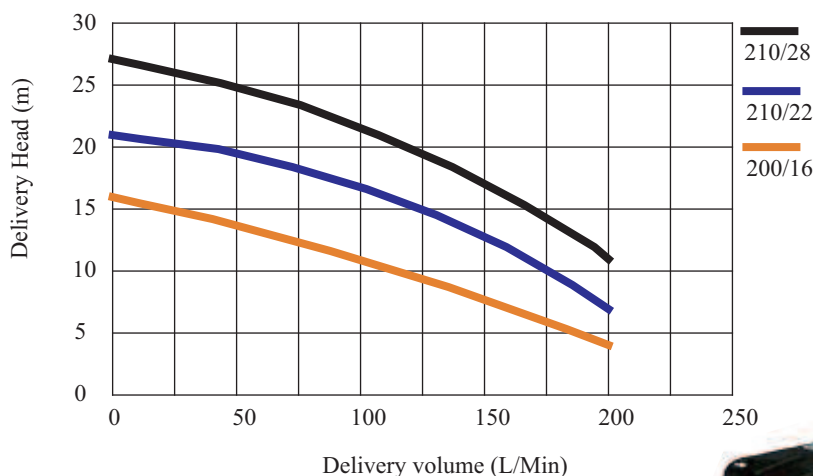


SURFACE MOUNTED PUMPS

SSCX STAINLESS STEEL SINGLE IMPELLER CENTRIFUGAL PUMP

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
SSCX 200/16M 230v	1 1/4"/1"	8.7	240 x 210 x 320	210/16	0.75	460-0010	
SSCX 210/22M 230v	1 1/4"/1"	12.1	250 x 210 x 350	210/22	1.1	460-0050	
SSCX 210/28M 230v	1 1/4"/1"	13.8	250 x 210 x 350	210/28	1.55	460-0090	
SSCX 200/16T 415v	1 1/4"/1"	8.7	240 x 210 x 320	210/16	0.75	460-0020	
SSCX 210/22T 415v	1 1/4"/1"	12.1	250 x 210 x 350	210/16	0.75	460-0060	
SSCX 210/28T 415v	1 1/4"/1"	13.8	250 x 210 x 350	210/28	1.5	460-0100	

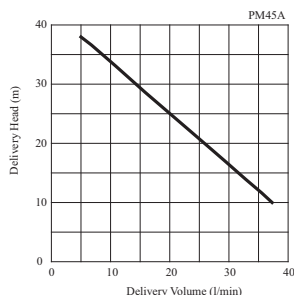
SSCX single impeller centrifugal pump. Pump body, seal housing, impeller and motor shaft manufactured from stainless steel AISI 304. Not self priming and should not be allowed to run dry. Recommended for clean water and liquids that are chemically non aggressive with no suspended solids or abrasive material. Carbon mechanical seal and NBR O rings. Maximum liquid temperature 90°C. Example of uses include booster sets and irrigation.



PRESSURE BOOSTING SYSTEMS

SINGLE PUMP UNIT ELECTRONICALLY CONTROLLED

MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
PM-45 A	/	1"	9	345 x 225 x 260	40/40	0.37	022-402	



PM-45 A



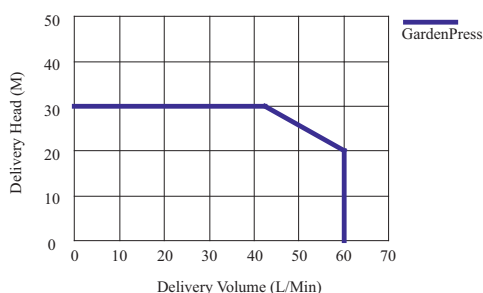
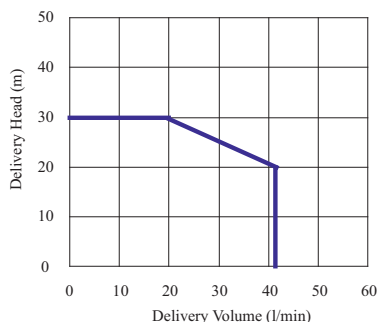
PURAPRESS

SINGLE PUMP UNITS SELF PRIMING PRESSURE SWITCH OPERATION C/W MILD STEEL ACCUMULATOR VESSEL

MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
PURAPRESS	25	1"	13	470 x 260 x 510	55/35	0.8	022-400	
GARDENPRESS 1000	25	1"	22	550 x 315 x 520	70/45	1.1	022-460	
GARDENPRESS 1000+	60	1"	32	640 x 370 x 640	70/45	1.1	022-461	

Using the MAX range of pump:-

W/PRESS INOX 80/48	25	1"	12	550 x 260 x 520	70/45	0.8	022-480	
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GARDENPRESS 1000



WATERPRESS
INOX 80/48

SINGLE PUMP UNITS STAINLESS STEEL PRESSURE SWITCH OPERATION C/W STAINLESS STEEL ACCUMULATOR VESSEL

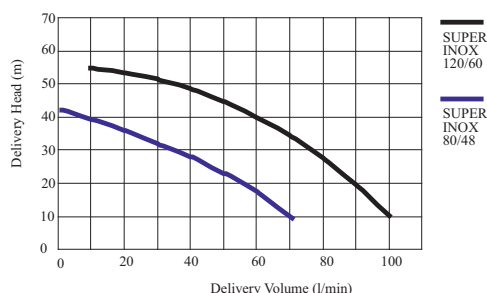
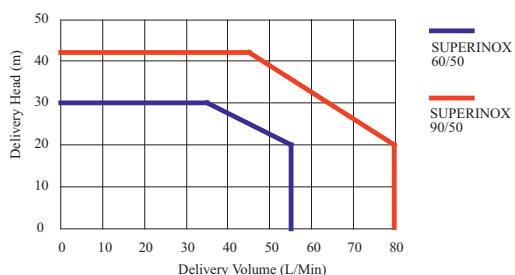
MODEL	TANK SIZE	INLET/OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
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Using Self Priming Jet Pumps

SUPERINOX 60/50	25	1"	11	550 x 280 x 530	55/45	0.8	022-462	
SUPERINOX 90/50	25	1 1/4 x 1"	12	580 x 280 x 530	80/45	1.5	022-464	

Using the Max range of pump

W/P SUPERINOX 120/60	25	1"	13	550 x 260 x 520	100/55	1.25	022-495	
W/P SUPERINOX 120/60+	60	1"	23	640 x 370 x 640	100/55	1.25	022-500	



WATERPRESS
SUPERINOX 120/60

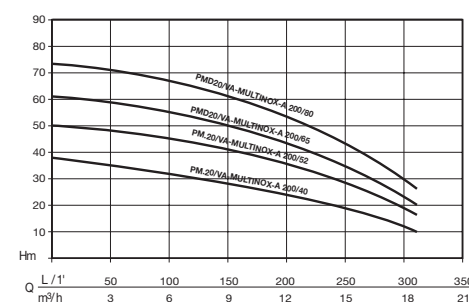
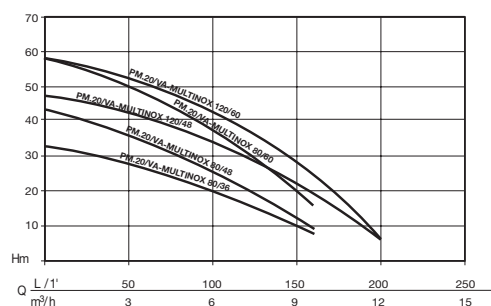
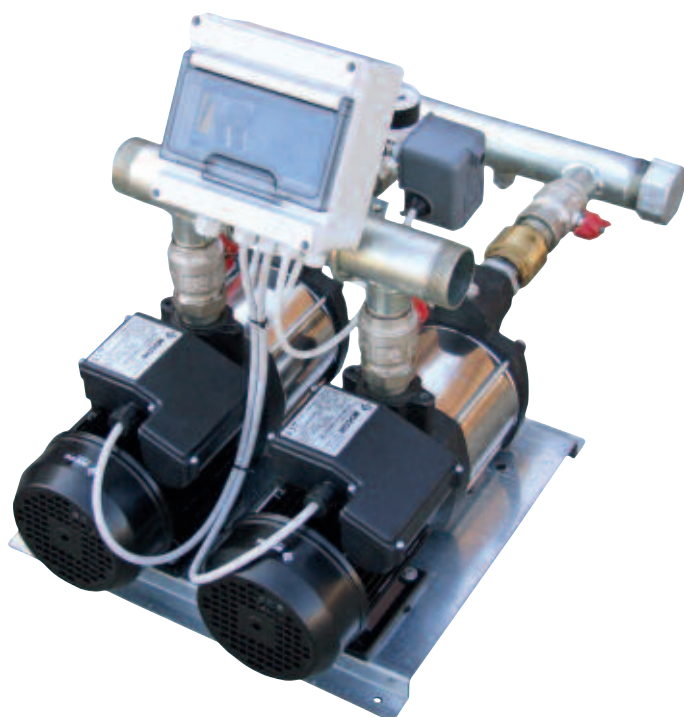
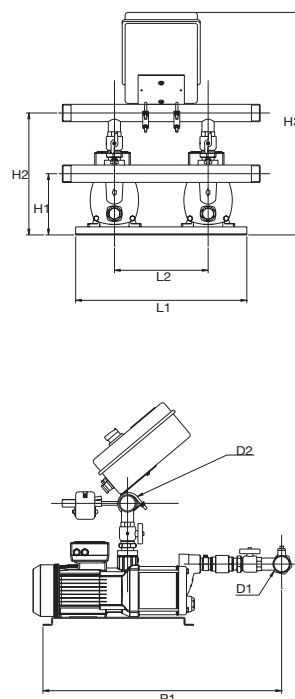
Shower booster pumps see page 144

PRESSURE BOOSTING SYSTEMS

PRESSOMAT AUTOMATIC PRESSURE BOOSTER UNITS

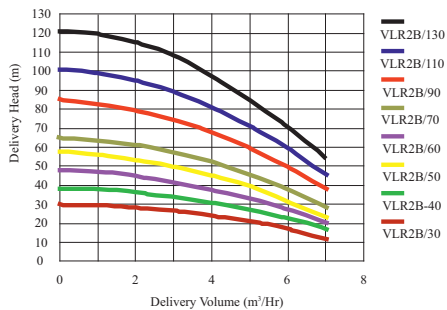
Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
PMS20/VA 80/36M	2"	160	3.3	230 / 6.0	2 x 0.65	UC4001EO	
PMS20/VA 80/48M	2"	160	4.3	230 / 7.6	2 x 0.8	UC4002EO	
PMS20/VA 80/60M	2"	160	5.7	230 / 11.0	2 x 1.1	UC4003EO	
PMS20/VA 120/48M	2"	200	4.8	230 / 9.4	2 x 1.1	UC4004EO	
PMS20/VA 120/60M	2"	200	5.8	230 / 11.8	2 x 1.25	UC4005EO	
PMS20/VA 200/40M	2"	320	3.8	230 / 11.2	2 x 1.2	UC4015EO	
PMS20/VA 200/52M	2"	320	4.9	230 / 15.6	2 x 1.6	UC4016EO	
PMD20/VA 80/36T	2"	160	3.3	415 / 2.6	2 x 0.65	UC4006EO	
PMD20/VA 80/48T	2"	160	4.3	415 / 3.2	2 x 0.8	UC4007EO	
PMD20/VA 80/60T	2"	160	5.7	415 / 3.6	2 x 1.1	UC4008EO	
PMD20/VA 120/48T	2"	200	4.8	415 / 3.8	2 x 1.1	UC4009EO	
PMD20/VA 120/60T	2"	200	5.8	415 / 4.0	2 x 1.25	UC4010EO	
PMD20/VA 200/40T	2"	320	3.8	415 / 4.0	2 x 1.2	UC4017EO	
PMD20/VA 200/52T	2"	320	4.9	415 / 5.8	2 x 1.6	UC4018EO	
PMD20/VA 200/65T	2"	320	6.3	415 / 7.2	2 x 2.0	UC4019EO	
PMD20/VA 200/80T	2"	320	7.8	415 / 9.2	2 x 2.3	UC4020EO	

Twin Pump Units using Pumps with Alternating Duty and Assist Control Panels.
All units require Pressure Accumulator Vessels (see page 75).

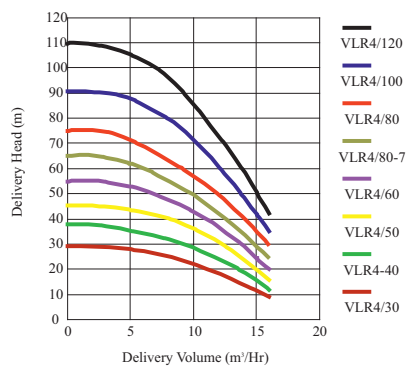


Model	DIMENSIONS mm											Kg	
	L1		P1	H1	H2	H3		D1	D2	L2			
	230v	415v				230v	415v				230v		
80/36/MT	470	470	590	200	360	500	560	2"	2"	220	31	37	
80/48/MT	470	470	610	200	360	500	560	2"	2"	220	35	41	
80/60/MT	470	470	650	200	360	500	560	2"	2"	220	39	45	
120/48/MT	470	470	630	200	360	500	560	2"	2"	220	38	44	
120/60/MT	470	470	650	200	360	500	560	2"	2"	220	39	45	
200/40/MT	580	470	690	200	420	560	620	2"	2"	220	49	55	
200/52M/T	580	470	690	200	420	560	620	2"	2"	220	53	59	
200/65T	/	470	690	200	420	/	620	2"	2"	220	/	63	
200/80T	/	470	690	200	420	/	620	2"	2"	220	/	67	

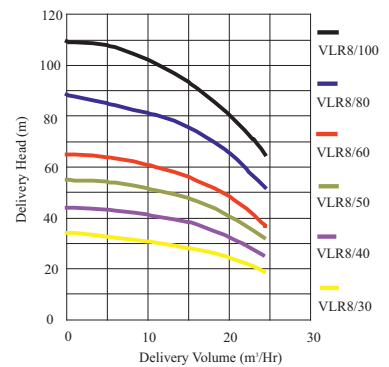
AUTOMATIC PRESSURE BOOSTER UNITS



2 x VLR 2 Performance



2 x VLR 4 Performance



2 x VLR 8 Performance

Available with Variable Speed Drive.

PRESSURE BOOSTING SYSTEMS

AUTOMATIC PRESSURE BOOSTER UNITS

Twin Pump Units using VLR Pumps with Alternating Duty and Assist Control Panels.
All units require Pressure Accumulator Vessels (see page 75).

SINGLE PHASE – SINGLE SPEED

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
2 x VLR 2B/30M	2"	120	2.7	230 / 5.4	2 x 0.37	UP400100	
2 x VLR 2B/40M	2"	120	3.7	230 / 8	2 x 0.55	UP400200	
2 x VLR 2B/50M	2"	120	4.7	230 / 8	2 x 0.55	UP400300	
2 x VLR 2B/60M	2"	120	5.7	230 / 10.4	2 x 0.75	UP400400	
2 x VLR 2B/70M	2"	120	6.5	230 / 10.4	2 x 0.75	UP400500	
2 x VLR 2B/90M	2"	120	8.6	230 / 16	2 x 1.1	UP400600	
2 x VLR 2B/110M	2"	120	10.1	230 / 16	2 x 1.1	UP400700	
2 x VLR 2B/130M	2"	120	12.1	230 / 24	2 x 1.5	UP400800	
2 x VLR 4/30M	2"	250	2.7	230 / 8	2 x 0.55	UP400900	
2 x VLR 4/40M	2"	250	3.7	230 / 10.4	2 x 0.75	UP401000	
2 x VLR 4/50M	2"	250	4.5	230 / 16	2 x 1.1	UP401100	
2 x VLR 4/60M	2"	250	5.5	230 / 16	2 x 1.1	UP401200	
2 x VLR 4/80-7M	2"	250	6.4	230 / 24	2 x 1.5	UP401300	
2 x VLR 4/80M	2"	250	7.5	230 / 24	2 x 1.5	UP401400	
2 x VLR 8/30M	2½"	380	2.7	230 / 16	2 x 1.1	UP401500	
2 x VLR 8/40M	2½"	380	3.7	230 / 24	2 x 1.5	UP401600	

THREE PHASE – SINGLE SPEED

Model	Port Size BSP	Max L/Min	Max Bar	Volts/Amps	kW	Code	Price
2 x VLR 2B/30T	2"	120	2.7	400 / 1.2	2 x 0.37	UP401700	
2 x VLR 2B/40T	2"	120	3.7	400 / 2	2 x 0.55	UP401800	
2 x VLR 2B/50T	2"	120	4.7	400 / 2.6	2 x 0.55	UP401900	
2 x VLR 2B/60T	2"	120	5.5	400 / 3	2 x 0.75	UP402000	
2 x VLR 2B/70T	2"	120	6.4	400 / 3.4	2 x 0.75	UP402100	
2 x VLR 2B/90T	2"	120	7.5	400 / 4.2	2 x 1.1	UP402200	
2 x VLR 2B/110T	2"	120	9.1	400 / 5	2 x 1.1	UP402300	
2 x VLR 2B/130T	2"	120	12.1	400 / 5.8	2 x 1.5	UP402400	
2 x VLR 4/30T	2"	250	2.7	400 / 2.9	2 x 0.55	UP402500	
2 x VLR 4/40T	2"	250	3.7	400 / 3.8	2 x 0.75	UP402600	
2 x VLR 4/50T	2"	250	4.7	400 / 5	2 x 1.1	UP402700	
2 x VLR 4/60T	2"	250	5.5	400 / 5	2 x 1.1	UP402800	
2 x VLR 4/80-7T	2"	250	6.4	400 / 6.8	2 x 1.5	UP402900	
2 x VLR 4/80T	2"	250	7.5	400 / 6.8	2 x 1.5	UP403000	
2 x VLR 4/100T	2"	250	9.1	400 / 9.6	2 x 2.2	UP403100	
2 x VLR 4/120T	2"	250	10.9	400 / 9.6	2 x 2.2	UP403200	
2 x VLR 8/30T	2½"	380	3.3	400 / 5	2 x 1.1	UP403300	
2 x VLR 8/40T	2½"	380	4.3	400 / 6.8	2 x 1.5	UP403400	
2 x VLR 8/50T	2½"	380	5.4	400 / 10.2	2 x 2.2	UP403500	
2 x VLR 8/60T	2½"	380	6.5	400 / 10.2	2 x 2.2	UP403600	
2 x VLR 8/80T	2½"	380	8.6	400 / 13.6	2 x 3	UP403700	
2 x VLR 8/100T	2½"	380	10.8	400 / 19.4	2 x 4	UP403800	

All booster units listed and larger units are available upon request.

CPS FREQUENCY CHANGER



- **Easy installation**
- **Energy saving**
- **Silent runing**
- **Reliability**

Applications

- Pressure boosting
- Irrigation
- Industrialwashing equipment
- Water distribution

CPS energy saving control system keep constant delivery when pressure variations occur. CPS is a frequency converter integrated into the pump which adjusts motor speed so as to constantly provide users with the same pressure, even when demand for water changes. The main applications for which CPS offers elevated comfort and benefits are: home pressurisation, irrigation, greenhouses, light industry, fountains and creative water displays.

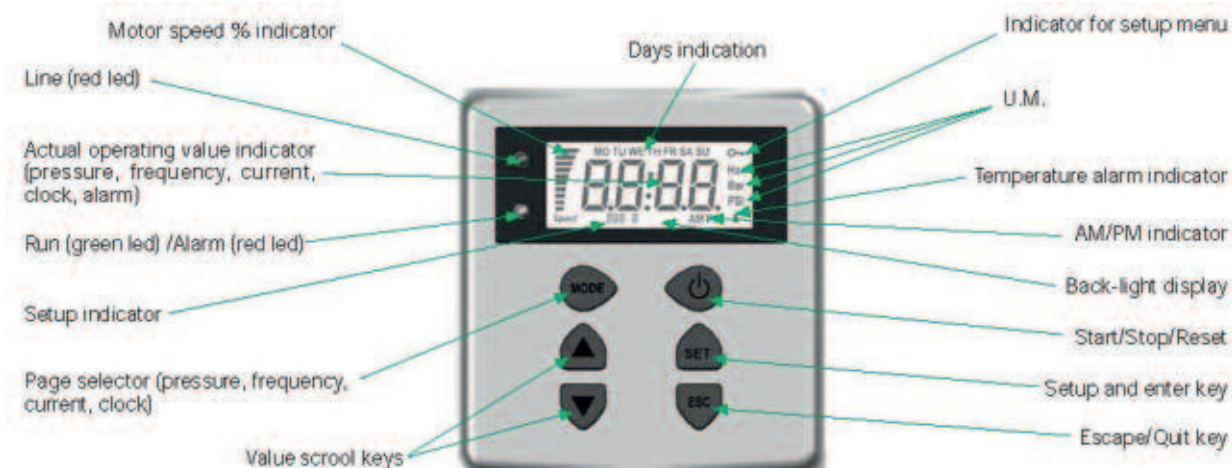
Operation

The system consists of an electric pump operated by an electronic control system (speed variator) that enables the delivery of constant pressure by reducing or increasing the flow rate based on water demand. In the case of an excessive system pressure decrease, the CPS starts the pump and regulates its speed until the operating pressure is re-established. The pump's speed depends on water demand. If water consumption increases, the control system raises the speed of the pump up to the maximum set value. If water consumption decreases, the speed of the pump is reduced down to its minimum. If there is no further water demand, the pump stops.

Technical Features

- | | |
|------------------------|--|
| • Power input | 1 x 230 Vac $\pm$ 10% |
| • Output voltage | 3 x 230 Vac $\pm$ 10% |
| • Max nominal power | 1.5 Kw |
| • Input frequency | 50/60 Hz + 3% |
| • Max output current | 6.5 Amp |
| • Protection | IP55 (in case of installation on motors with a protection of < IP55) |
| • Ambient temperature | From +0°C to + 40°C |
| • Wave type | Sinusoidal |
| • Input filter | In compliance with EMC directive |
| • Pressure transmitter | 0 - 5- Volt 0 - 10 Bar |
| • Set point | 2 |
| • Connections | RS 85 port |
| • Free contacts | 3 (ext set point, alarm, system inhibition) |

Control Panel



PRESSURE BOOSTING SYSTEMS

CPS DHI FREQUENCY CHANGER

230v

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
CPS DHI 27	1 1/4"	17.4	235 x 232 x 460	60/60	1.2	470-0090	
CPS DHI 45	1 1/4"	17.4	235 x 232 x 460	120/43	1.25	470-0080	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a pressure accumulator vessel, see page 75. For more information on the DHI see page 62.



DHI

CPS MAX FREQUENCY CHANGER

230v

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
CPS MAX 80/60	1"	11.8	220 x 232 x 415	80/57	1	470-0060	
CPS MAX 120/60	1"	11.8	220 x 232 x 415	120/60	1.25	470-0040	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a pressure accumulator vessel, see page 75. For more information on the MAX see page 64.



MAX

CPS MULTINOX-VE FREQUENCY CHANGER

230v

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
CPS MULTINOX - VE 200/40	1 1/4"	21.2	438 x 232 x 220	160/39	1.5	470-0130	
CPS MULTINOX - VE 200/65	1 1/4"	25.1	504 x 232 x 220	160/64	2.0	470-0120	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a pressure accumulator vessel, see page 75. For more information on the Multinox-VE see page 63.



Multinox-VE

CPS VLR FREQUENCY CHANGER

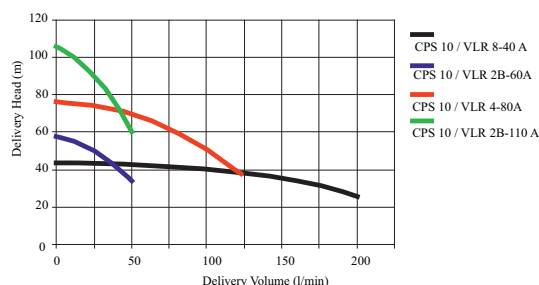
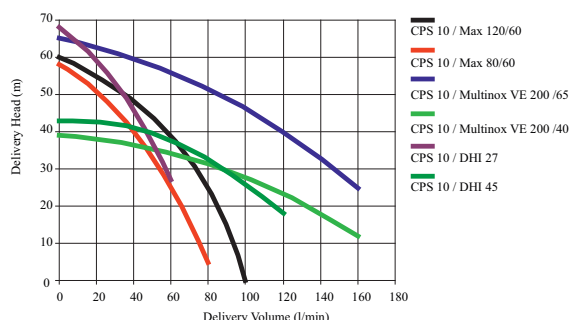
230v

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
CPS VLR 2B-60 A	1"	28	533 x 232 x 135	50/58	0.75	470-0160	
CPS VLR 2B-110 A	1"	38	623 x 232 x 135	50/105	1.1	470-0170	
CPS VLR 4-80 A	1"	35	688 x 232 x 185	120/77	1.5	470-0150	
CPS VLR 8-40 A	1 1/2"	42	688 x 232 x 185	200/44	1.5	470-0140	

Pre built CPS Frequency Changer water boosting pump. Must be used in conjunction with a pressure accumulator vessel, see page 75. For more information on the VLR see pages 84 – 89.



VLR



VSD VARIABLE SPEED DRIVE

MODEL	INLET/ OUTLET	KG	H x W x L	BAR RANGE	MAX AMP	CODE	PRICE
VSD1 Mono 8.5	1 1/4" / 1 1/2"	3.4	280 x 220 x 180	1-6	8.5	ZB902320	
VSD1 Basic	1 1/4" / 1 1/2"	3.4	280 x 220 x 180	1-9	4.5	ZB902170	
VSD1	1 1/4" / 1 1/2"	3.8	280 x 220 x 180	1-9	9.3	ZB902180	
VSD3	1 1/4" / 1 1/2"	3.6	280 x 220 x 180	1-9	13.3	ZB902190	

Easy to install, VSD manages all controls necessary for a pumping system.

VSD variable speed pumping system keeps constant delivery when pressure variations occur.

The status display allows instant overview of operating characteristics.

VSD cuts your electricity usage by automatically pumping only what is required by the system.

All units require pressure accumulator vessels – see page 77.

- Energy saving
- Reduced Water Consumption
- Constant Pressure
- The display indicates:
Pump working frequency
Instant pressure
Absorbed power
Alarms



Nocchi VSD1 Mono

MODEL	POWER SUPPLY VOLTAGE	PUMP VOLTAGE	MAX MOTOR CURRENT AMPS	MAX LIQUID TEMP	MAX OPERATING PRESSURE / BAR
VSD1 Mono 8.5	1 x 230v	1 x 230v	8.5 AMP	45°C	10 BAR
VSD1 Basic	1 x 230v	3 x 230v	4.5 AMP	45°C	10 BAR
VSD1	1 x 230v	3 x 230v	9.3 AMP	45°C	10 BAR
VSD3	1 x 230v	3 x 400v	13.3 AMP	45°C	10 BAR

TEST: EXAMPLE WITH A 1.1 KW ELECTRO PUMP AT 3,0 BAR PRESSURE (CONTINUOUS WORKING)

Flow (l/min)	Flow Consumption %	Consumption (Kw) using a std pump (instantaneous power)	Consumption (Kw) Using VSD (instantaneous power)	Kw Saved (instantaneous)	Kw saved within 12 months (8760 running hours)
5	20%	1,295	0,185	1,11	1.945
10	40%	1,388	0,555	0,833	2,917
20	20%	1,48	0,74	0,74	1.296
30	9%	1,573	1,11	0,463	365
40	6%	1,794	1,57	0,224	118
50	5%	1,85	1,85	0	0
				Annual saving (Kw)	6,641

VSD VARIABLE SPEED PRESSURE BOOSTER SETS

VSD booster sets assembled with two mult-stage centrifugal pumps and 2 VSD1 or VSD3 inverters – depending on pump motor currents. Designed to provide variable flow at constant pressure.

- Suitable for continuous working
- Energy saving
- High hydraulic efficiency

Operation

The frequency control enables the delivery of variable flow at constant pressure by automatically reducing or increasing the motor speed according to water demand. When the maximum flow rate of the first pump is reached, the control system runs the pump at its maximum speed.

If the first pump is not enough, the second inverter starts the second pump in order to maintain the desired operating pressure.

The unit automatically stops when water demand is over and the system reaches the set point.

In the event of a fault, the display will show the cause of the system shutdown.

Booster sets operated by VSD1 and VSD3 inverters enable the cyclical changeover of pumps.

Applications

VSD booster sets are the ideal solution in applications characterised by a need for variable flow at constant pressure:

- Water supply systems
- Pressure boosting
- Washing systems
- High pressure washing systems
- Irrigation

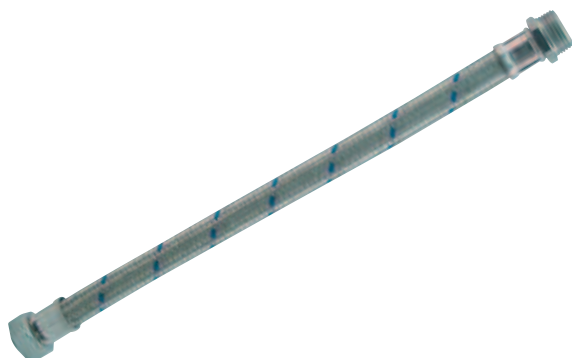
Pre-built versions are available to order, including: Multinox, Max, Multinox VE and VLR. For more data, please contact our sales team, who will forward detailed information on the models available.



Example of a Twin VSD Twin Booster Set

PRESSURE BOOSTING SYSTEM ACCESSORIES

PRESSURE KIT ACCESSORIES

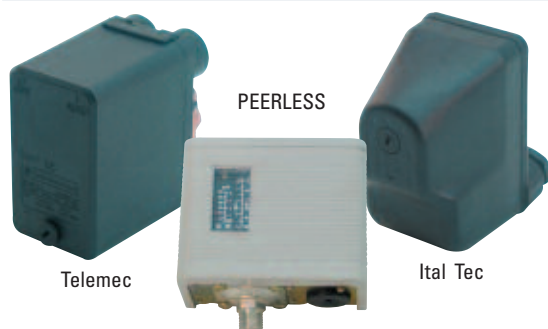


TUBIFLEX – FLEXIBLE BRAIDED HOSES

SIZE BSP x mm	CODE	PRICE
1" x 500mm	060-040	
1" x 600mm	060-042	
1" x 700mm	060-044	
1" x 800mm	060-046	
1¼" x 400mm	060-048	
2" x 500mm	060-052	

BRASS MULTIWAY FITTINGS

SIZE BSP	CODE	PRICE
R3-V 1" x 1" x 1"	060-010	
R5-V 1" x 1" x 1" x ¼" x ¼"	060-012	



PRESSURE SWITCHES

ITEM	ADJUSTMENT	CODE	PRICE
ITAL TECHNICA PM5	0-5 BAR	060-400	
ITAL TECHNICA PM12	6-12 BAR	060-402	
VACUUM SWITCH	/	060-406	
TELEMECANIQUE XM6	1-6 BAR	060-410	
TELEMECANIQUE XM12	6-12 BAR	060-412	
FANTINI B12CN	0.2-8 BAR	060-414	
FANTINI B12DN	5-16 BAR	060-416	
PEERLESS HLP506	1-6 BAR	060-417	
PEERLESS HLP520	8-24 BAR	060-418	

Italtechnica and Telemecanique are basic pressure switches. Both have a ¼" female bsp connection.

Fantini and Peerless give you precise control with setting on/off and differential pressure by the aid of visual gauges. The Fantini has a ¼" female bsp connection and the Peerless has a ¼" male bsp connection.

PRESSURE GAUGES

ITEM	CODE	PRICE
MAP-6 6 BAR REAR	060-390	
MAP-10 12 BAR REAR	060-394	
MAR-6 6 BAR SIDE	060-392	
MAR-10 12 BAR SIDE	060-396	



QUICKSTOP FLOW REGULATOR

SIZE BSP	CODE	PRICE
¾"	060-850	
1"	060-852	
1¼"	060-854	
1½"	060-856	

PRESSURE BOOSTING SYSTEM ACCESSORIES

ACCUMULATOR – PRESSURE VESSELS

The accumulator vessel is a device that when fitted into a pressurised water system will provide system water at a pre-set, sustained pressure.

2-500 Litre 10 Bar Max 8 Bar Working 99°C Max up to 500 Litre								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
AC2	2	No Mount	—	1/2"	170 x 150 x ---	0.5	022-550	
AC5	5	No Mount	—	3/4"	240 x 204 x ---	1.8	022-551	
AC8	8	No Mount	—	3/4"	315 x 204 x ---	2.3	022-552	
AC25	25	No Mount	—	1"	470 x 270 x ---	4.8	022-553	
AC25 GPM	25	Horizontal	—	1"	470 x 270 x 290	5	022-554	
AFH 60	60	Horizontal	3/4"	1"	675 x 400 x 480	12.5	022-556	
AFH 100	100	Horizontal	3/4"	1"	720 x 500 x 585	17.5	022-559	
AFH 200	200	Horizontal	3/4"	1 1/4"	970 x 600 x 665	48.3	022-580	
AFH 300	300	Horizontal	3/4"	1 1/4"	1130 x 650 x 705	55	022-610	
AFV 60	60	Vertical	3/4"	1"	--- x 400 x 750	12.5	022-557	
AFV 100	100	Vertical	3/4"	1"	--- x 500 x 805	17.5	022-560	
AFV 200	200	Vertical	3/4"	1 1/4"	--- x 600 x 1065	48.3	022-590	
AFV 300	300	Vertical	3/4"	1 1/4"	--- x 650 x 1270	60	022-620	
AFV 500	500	Vertical	3/4"	1 1/4"	--- x 775 x 1420	80	022-622	



8 Litre
AC Series



AF Series

25-500 Litre 16 Bar Max 99°C Max								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
AFV 24-16	24	No Mount	—	1"	470 x 270 x ---	6	022-631	
AFV 100-16	100	Vertical	3/4"	1"	--- x 500 x 800	25	022-632	
AFV 200-16	200	Vertical	3/4"	1 1/4"	--- x 600 x 1065	55	022-634	
AFV 300-16	300	Vertical	3/4"	1 1/4"	--- x 650 x 1270	70	022-635	
AFV 500-16	500	Vertical	3/4"	2"	--- x 775 x 1420	90	022-636	

2-60 Litre Stainless Steel 10 Bar Max 99°C Max								
Model	Capacity Litres	Orientation	Aux Connection	Main Connection	L x D x H	kg	Code	Price
HX2	2	No Mount	—	1/2"	230 x 146 x ---	1	022-640	
HX8	8	No Mount	—	1"	315 x 204 x ---	2.3	022-641	
HS 24	24	No Mount	—	1"	365 x 360 x ---	4.5	022-642	
HM 24 gpm	24	Horizontal	—	1"	470 x 270 x 290	4.5	022-644	
HM 60v	60	Vertical	3/4"	1"	--- x 400 x 750	15	022-645	
HM 60H	60	Horizontal	3/4"	1"	675 x 400 x 480	15	022-647	



AF Series

Replacement Bladders/Membranes			
Model	Capacity Litres	Code	Price
AC 5-8	5 - 8	022-532	
AC 25	25	022-534	
AF 60-100	60 - 100	022-536	
AF 200	200	022-538	
AF 300	300	022-540	
AF 500	500	022-542	

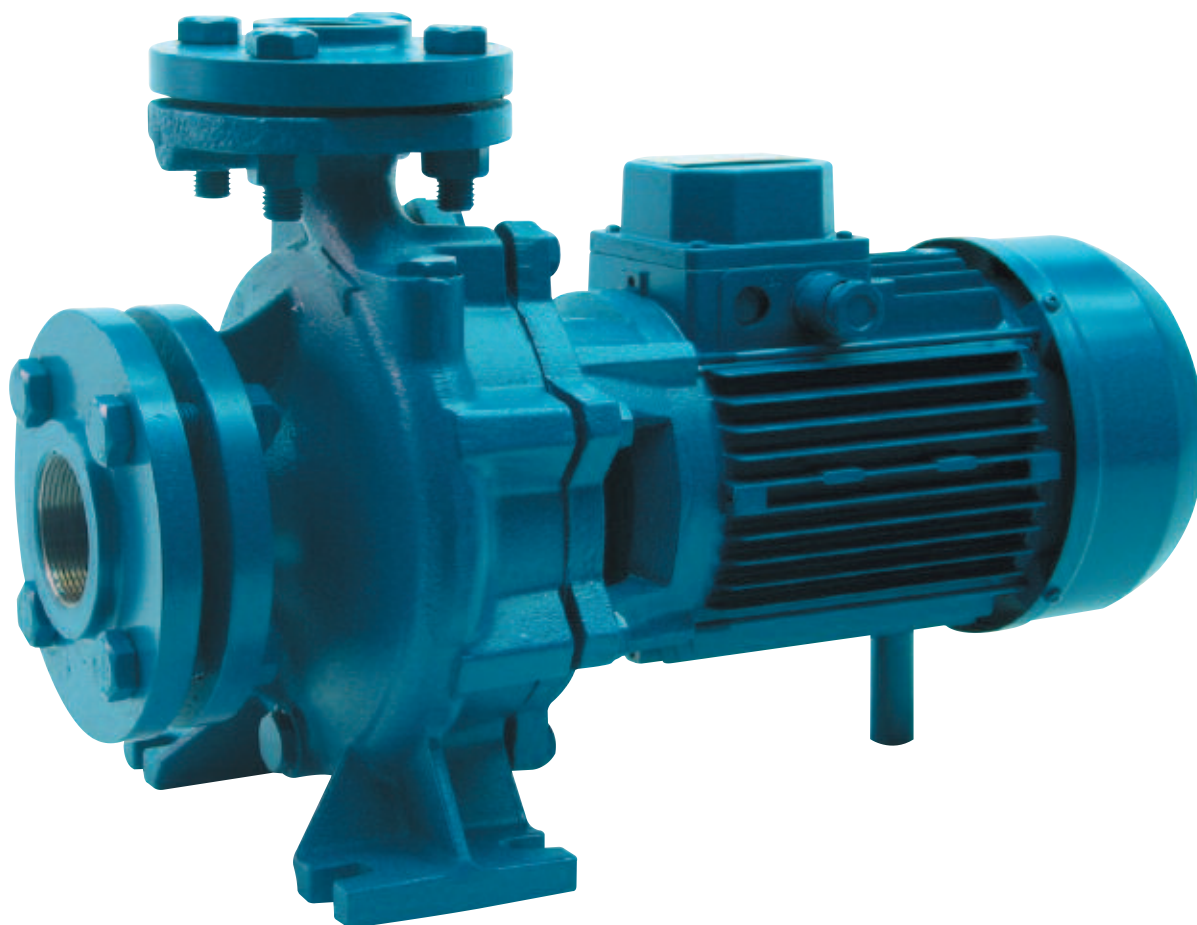


25 Litre
HX-HM Series



2 Litre

CM RANGE



CENTRIFUGAL PUMPS IN CONFORMANCE WITH DIN 24255 FOR USE IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL FIELDS

The CM series is made up of single stage electric monobloc pumps with a flanged hydraulic/motor connection. The pump casing is manufactured in accordance with the provisions of DIN 24255-NF E 44 III-UNI 7467 standards, regarding hydraulic dimensions and connection points. The pumps may be installed in all positions, except where the suction point is directed downwards. The design of these machines allows the rotating parts and the motor to be removed from the pump casing without having to disconnect the pipes. Thus any maintenance is easily and quickly performed.

Standard Design Features:

Cast iron pump casing, motor bracket and impeller. Stainless steel shaft. Mechanical seal with ceramic/graphite counterfaces. Flanged connection points DN32 – DN80 2236 PN10 standards. Threaded type counter flanges UNI 2254.

Clean water pumping only, non aggressive, non explosive and free from abrasives and fibres. Liquid temperature from -10°C to 90°C . Environmental temperature up to 40°C max. Maximum operating pressure 10 bar.

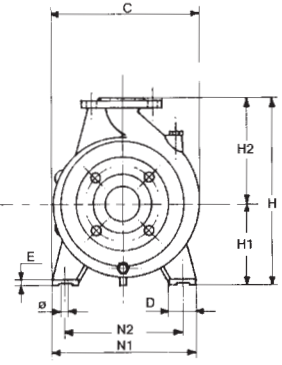
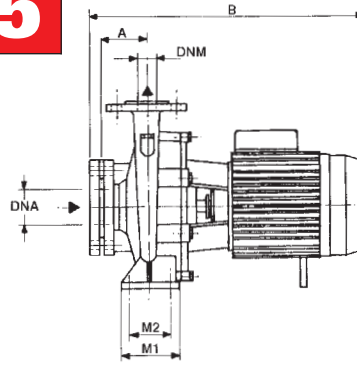
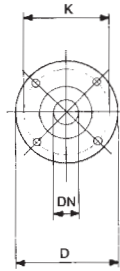
Applications include:

Irrigation supply, heating and air conditioning systems, water supply, liquid transfer and fire fighting systems.

SURFACE MOUNTED PUMPS

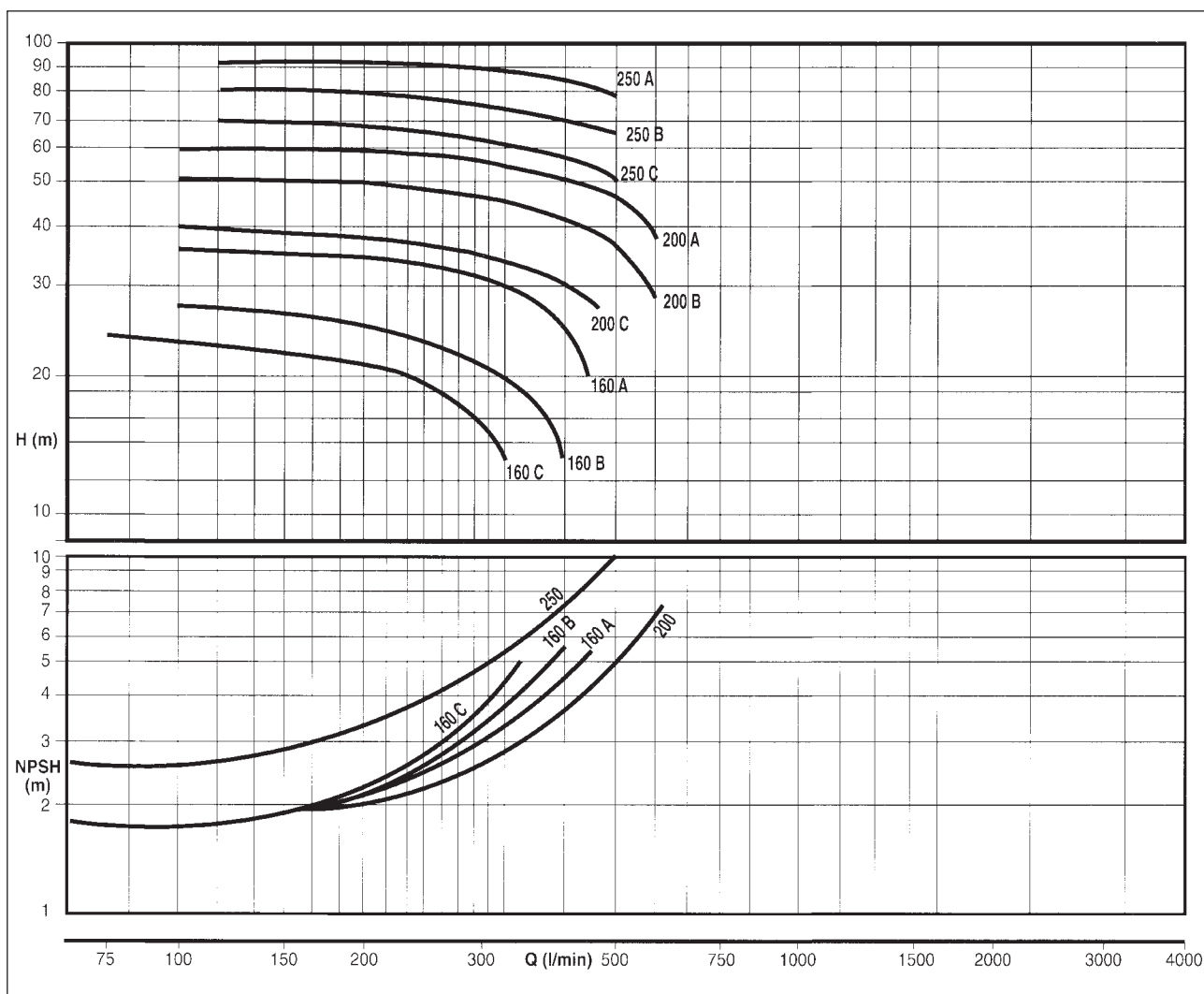
CM DIN 24255

Dimensions (mm)				
DN	D	K	Holes	
			n°	Dia.
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	4	18
100	220	180	8	18



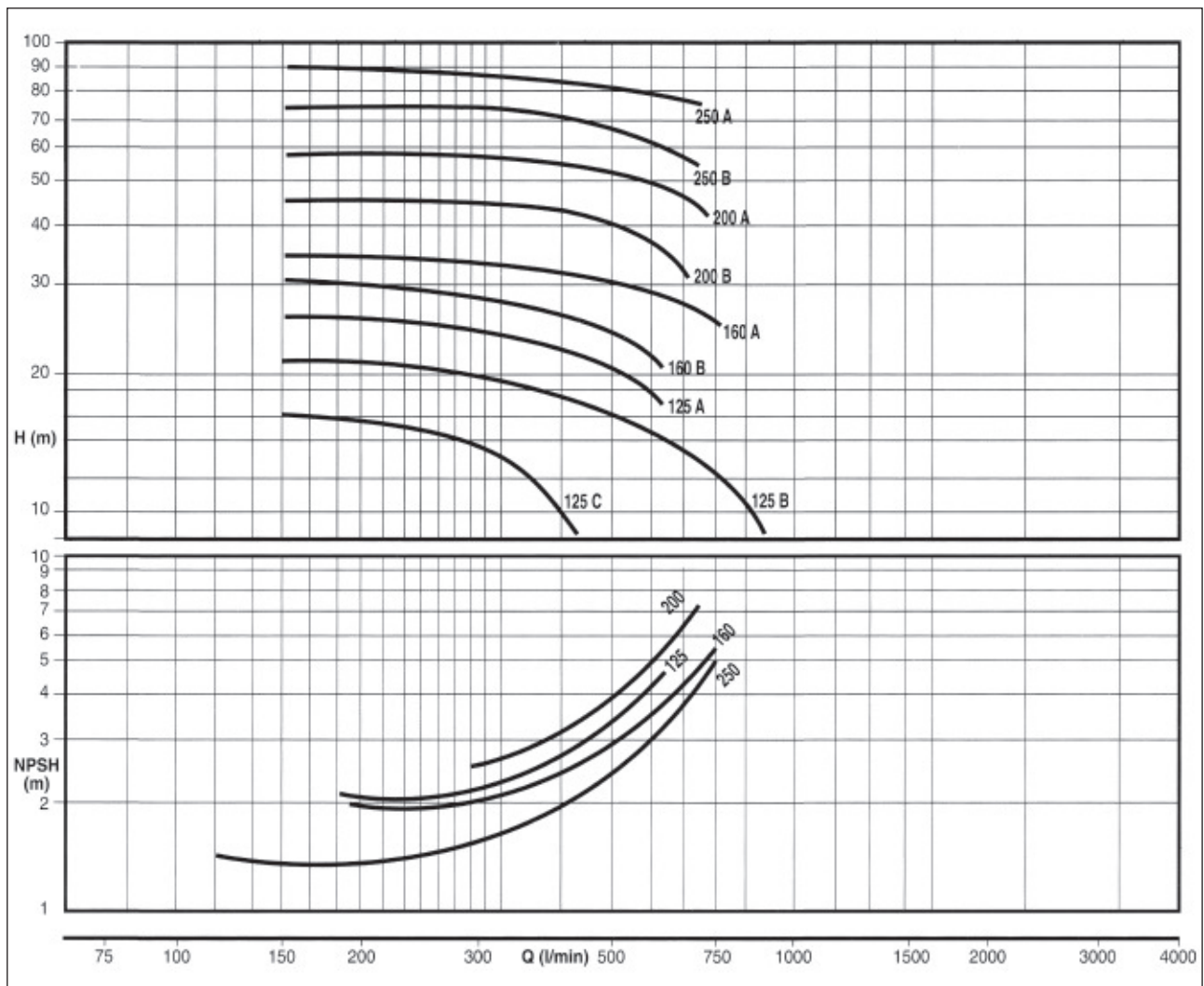
Model		Dimensions (mm)														Weight kg					
		DNM	DNA	A	H ₁	H ₂	M ₁	M ₂	N ₁	N ₂	D	E	Ø	B	C		H				
CM 32/160	C	32	50	80	132	160	100	70	240	190	50	12	14	490	240	292	38				
	B																39				
	A																42				
CM 32/200	C			32	50	80	160	180	100	70	240	190	50	12	14	505	268	340	52		
	B																		63		
	A																		69		
CM 32/250	C					32	50	100	180	225	125	95	320	250	65	14	625	305	405	83	
	B																			90	
	A																			120	
CM 40/125	C	40	65					80	112	140	100	70	210	160	50	12	14	495	220	252	36
	B																				37
	A																				40
CM 40/160	B			40	65			80	132	160	100	70	240	190	50	12	14	500	245	292	47
	A																				50
	B																				65
CM 40/200	B					40	65	100	160	180	100	70	265	212	65	15	14	590	273	340	71
	A																				91
	B																				121
CM 40/250	B	40	65					100	180	225	125	95	320	250	65	15	14	630	322	405	91
	A																				121
	B																				121
CM 50/125	B			50	65			100	132	160	100	70	240	190	50	12	14	525	250	292	47
	A																				50
	B																				65
CM 50/160	B					50	65	100	150	180	100	70	265	212	65	12	14	590	270	340	71
	A																				71
	B																				82
CM 50/200	C	50	65					100	160	200	100	70	265	212	65	12	14	635	290	360	89
	B																				122
	A																				125
CM 50/250	C			50	65			100	180	225	125	95	320	250	65	14	14	705	332	405	140
	B																				140
	A																				149
CM 65/125	B					65	80	100	160	180	125	95	280	212	65	14	14	605	280	340	64
	A																				70
	C																				84
CM 65/160	C	65	80					100	160	200	125	95	280	212	65	14	14	635	290	360	90
	B																				120
	A																				122
CM 65/200	C			65	80			100	180	225	125	95	320	250	65	14	14	705	330	405	138
	B																				148
	A																				239
CM 65/250	B					65	80	100	200	250	160	120	360	280	80	16	19	850	370	450	253
	A																				253
	C																				253
CM 80/160	D	80	100					125	180	225	125	95	320	250	65	14	14	665	330	405	99
	C																				129
	B																				143
CM 80/200	A			80	100			125	180	225	125	95	345	280	65	16	14	780	355	405	152
	B																				233
	A																				247

CM 32



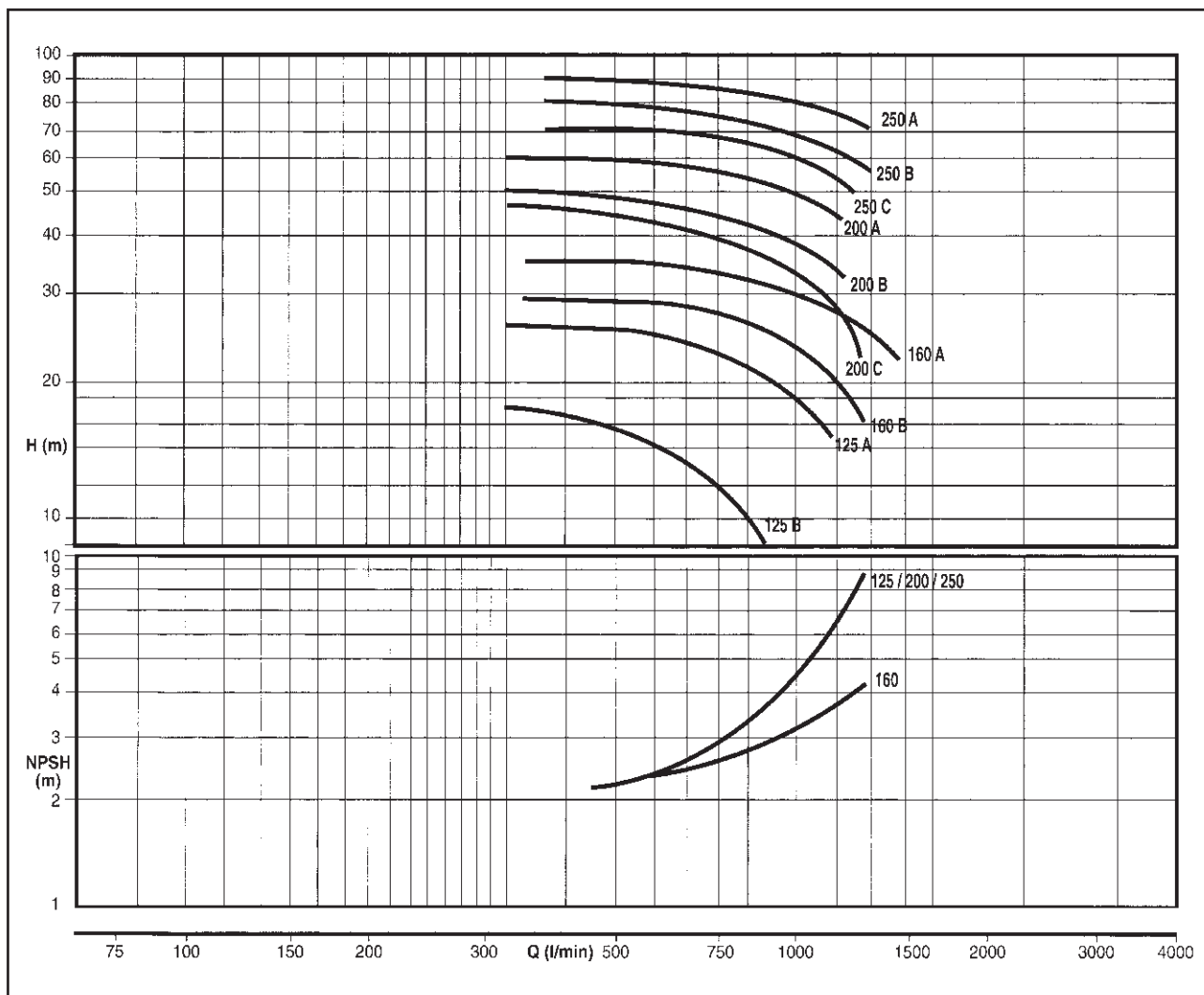
MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 32/160 C	2	1,5	3 ~ 230 ÷ 400 V	4	573-2KKK	
CM 32/160 B	3	2,2	3 ~ 230 ÷ 400 V	5,2	573-3KKK	
CM 32/160 A	4	3	3 ~ 230 ÷ 400 V	7,1	573-4KKK	
CM 32/200 C	5,5	4	3 ~ 230 ÷ 400 V	9,4	573-5KKK	
CM 32/200 B	7,5	5,5	3 ~ 400 ÷ 690 V	14,2	573-7KKK	
CM 32/200 A	10	7,5	3 ~ 400 ÷ 690 V	16,5	573-9KKK	
CM 32/250 C	12,5	9,2	3 ~ 400 ÷ 690 V	20,1	574-0KKK	
CM 32/250 B	15	11	3 ~ 400 ÷ 690 V	24,2	574-1KKK	
CM 32/250 A	20	15	3 ~ 400 ÷ 690 V	30,1	574-2KKK	

CM 40



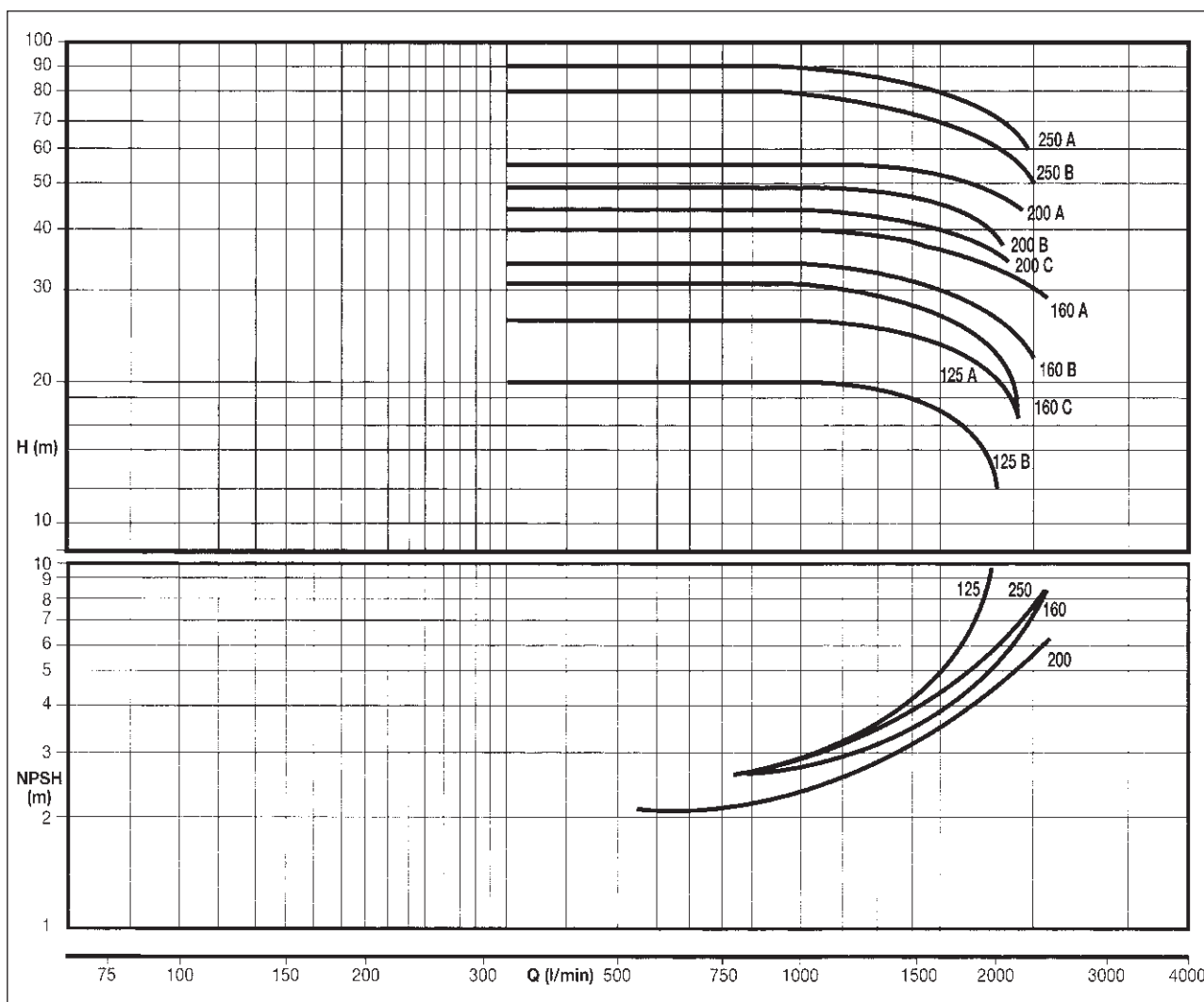
MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 40/125 C	2	1,5	3 ~ 230 ÷ 400 V	4	577-0KKK	
CM 40/125 B	3	2,2	3 ~ 230 ÷ 400 V	5,2	577-1KKK	
CM 40/125 A	4	3	3 ~ 230 ÷ 400 V	7,1	577-2KKK	
CM 40/160 B	4	3	3 ~ 230 ÷ 400 V	7,4	574-4KKK	
CM 40/160 A	5,5	4	3 ~ 230 ÷ 400 V	9,9	574-5KKK	
CM 40/200 B	7,5	5,5	3 ~ 400 ÷ 690 V	13,2	574-6KKK	
CM 40/200 A	10	7,5	3 ~ 400 ÷ 690 V	16,8	575-1KKK	
CM 40/250 B	15	11	3 ~ 400 ÷ 690 V	24,2	574-9KKK	
CM 40/250 A	20	15	3 ~ 400 ÷ 690 V	32	575-0KKK	

CM 50



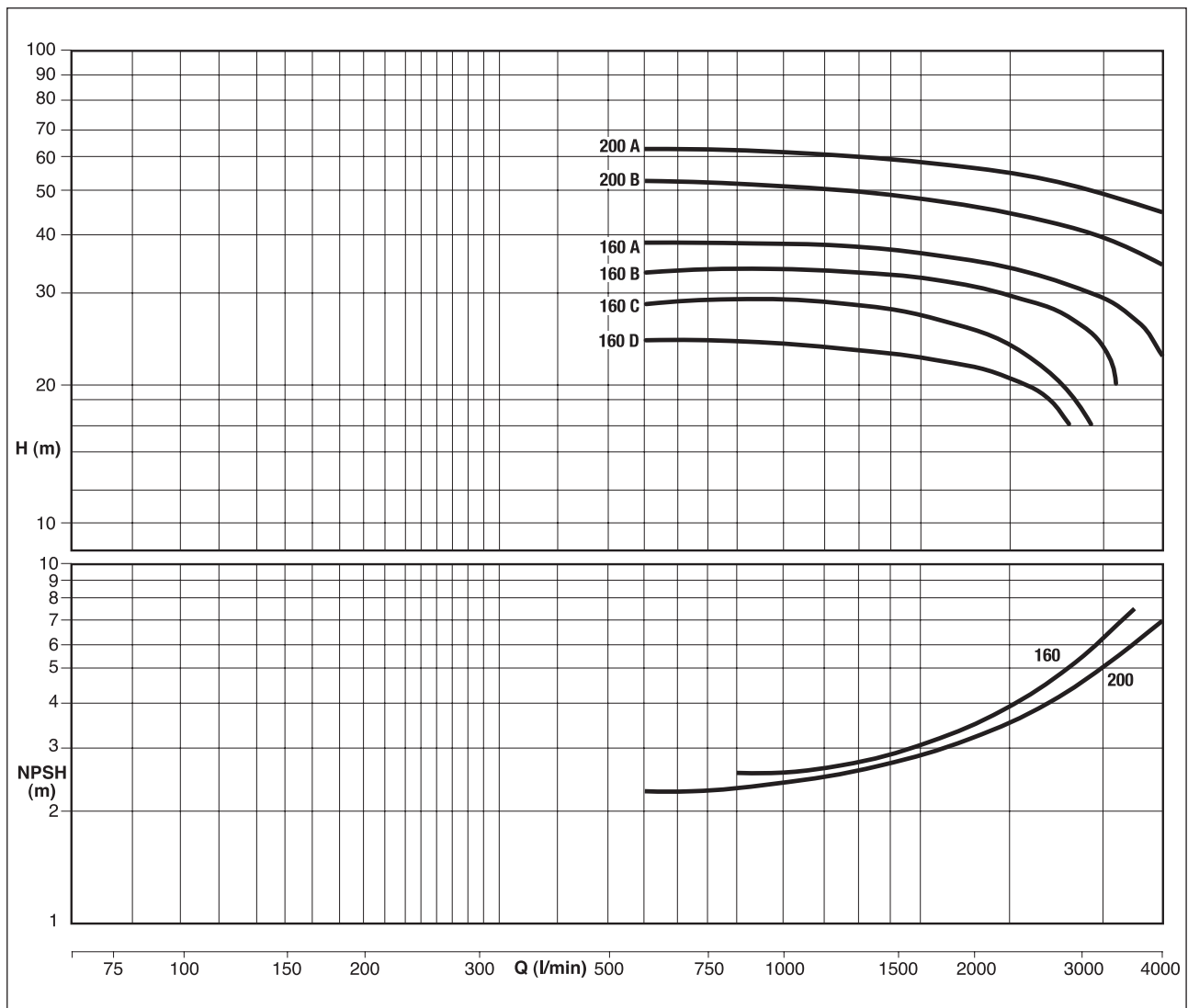
MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 50/125 B	4	3	3 ~ 230 ÷ 400 V	7,4	577-3KKK	
CM 50/125 A	5,5	4	3 ~ 230 ÷ 400 V	9,9	577-4KKK	
CM 50/160 B	7,5	5,5	3 ~ 400 ÷ 690 V	11,6	575-3KKK	
CM 50/160 A	10	7,5	3 ~ 400 ÷ 690 V	15,8	575-5KKK	
CM 50/200 C	12,5	9,2	3 ~ 400 ÷ 690 V	18,5	577-5KKK	
CM 50/200 B	15	11	3 ~ 400 ÷ 690 V	21	575-6KKK	
CM 50/200 A	20	15	3 ~ 400 ÷ 690 V	27	575-7KKK	
CM 50/250 C	20	15	3 ~ 400 ÷ 690 V	32,5	575-8KKK	
CM 50/250 B	25	18,5	3 ~ 400 ÷ 690 V	41,5	575-9KKK	
CM 50/250 A	30	22	3 ~ 400 ÷ 690 V	51,5	576-0KKK	

CM 65



MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
	HP	KW				
CM 65/125 B	7,5	5,5	3 ~ 400 ÷ 690 V	12,3	577-6KKK	
CM 65/125 A	10	7,5	3 ~ 400 ÷ 690 V	15,9	577-7KKK	
CM 65/160 C	12,5	9	3 ~ 400 ÷ 690 V	19,5	576-1KKK	
CM 65/160 B	15	11	3 ~ 400 ÷ 690 V	22,5	576-2KKK	
CM 65/160 A	20	15	3 ~ 400 ÷ 690 V	30	576-3KKK	
CM 65/200 C	20	15	3 ~ 400 ÷ 690 V	32,5	576-4KKK	
CM 65/200 B	25	18,5	3 ~ 400 ÷ 690 V	41,5	576-5KKK	
CM 65/200 A	30	22	3 ~ 400 ÷ 690 V	51,5	576-6KKK	
CM 65/250 B	40	30	3 ~ 400 ÷ 690 V	63,5	577-8KKK	
CM 65/250 A	50	37	3 ~ 400 ÷ 690 V	74,5	577-9KKK	

CM 80



MODEL	Motor Power HP KW		VOLTAGE	Amp. 3 x 400 V	CODE	PRICE
CM 80/160 D	15	11	3 ~ 400 ÷ 690 V	20,8	578-0KKK	
CM 80/160 C	20	15	3 ~ 400 ÷ 690 V	25,8	578-1KKK	
CM 80/160 B	25	18,5	3 ~ 400 ÷ 690 V	35	578-2KKK	
CM 80/160 A	30	22	3 ~ 400 ÷ 690 V	42	578-3KKK	
CM 80/200 B	40	30	3 ~ 400 ÷ 690 V	63,5	578-6KKK	
CM 80/200 A	50	37	3 ~ 400 ÷ 690 V	74,5	578-7KKK	

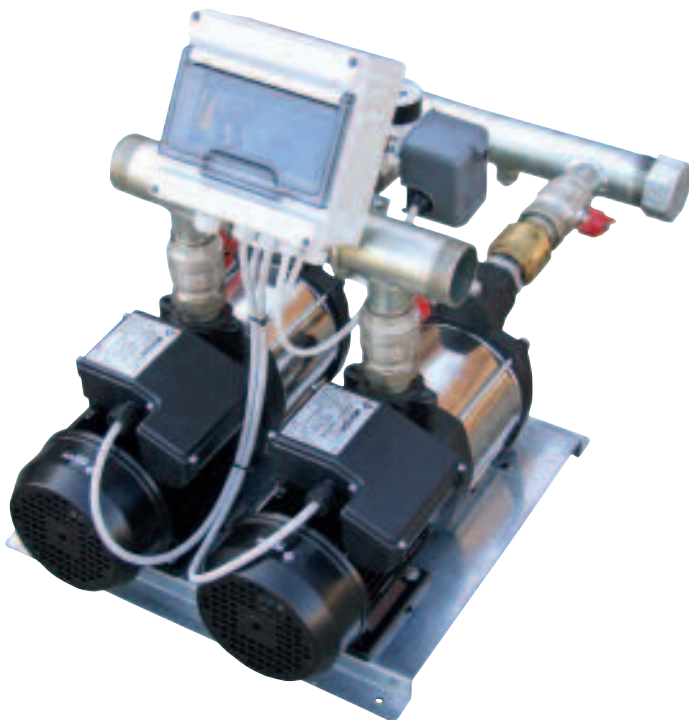
BOOSTER SETS



CM PUMPS ARE AVAILABLE AS BOOSTER SETS



VLR TWIN BOOSTER SETS, SEE PAGE 68-69



PRESSOMAT TWIN BOOSTER SETS, SEE PAGE 67



VSD VARIABLE SPEED BOOSTER SETS, SEE PAGE 73

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 2B's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal.

EPDM o rings. All 'A' versions are complete with 1" oval counterflanges.

All 'F' versions are DN32 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

DIN flanges 25 bar (maximum pumped liquid temperature 40°C)
21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR2B-30/2 = 6 Bar

VLR 2B-30 - VLR 2B-110 = 10 Bar

VLR 2B-130 - VLR 2B-260 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base - VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base - VLRX range.

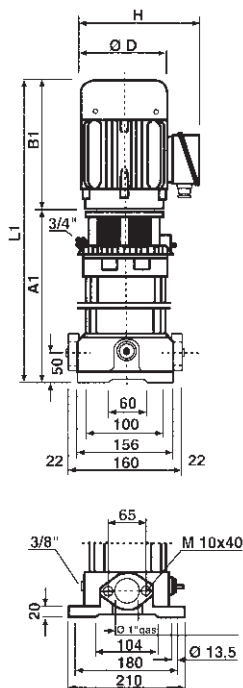
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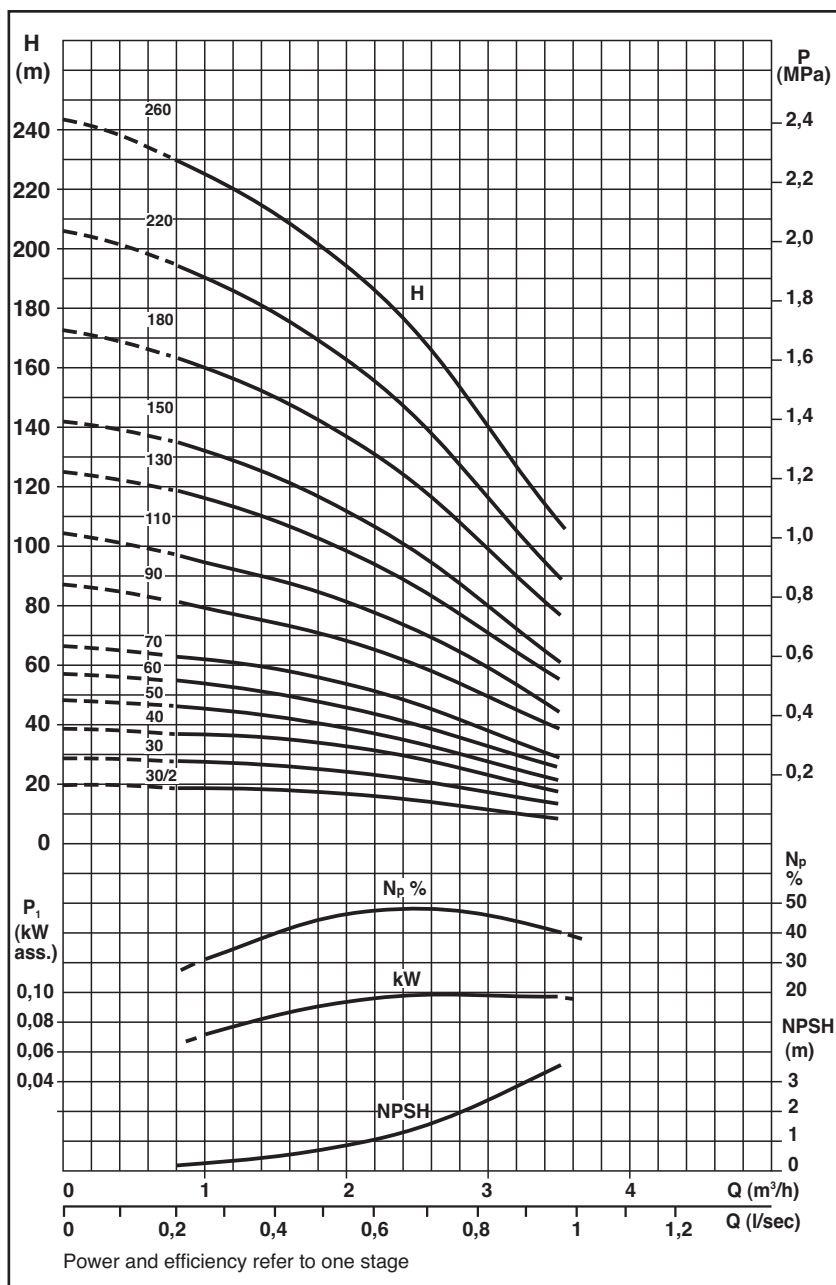
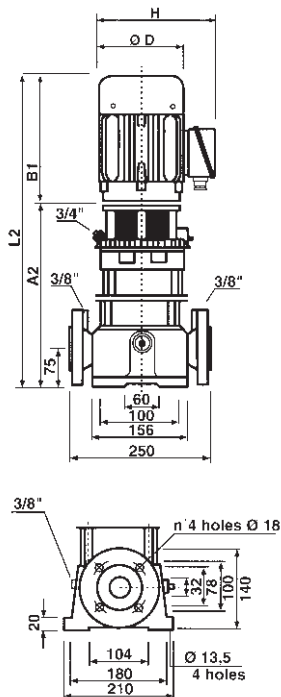
MODEL	HP	Motor Power KW	VOLTAGE	Amp.	μF.	CODE	PRICE
VLR 2B - 30/2 A M	0,5	0,37	1 ~ 230 V	2,7	14	230-2102	
VLR 2B - 30/2 A T			3 ~ 230 ÷ 400 V	1-0,6		230-1002	
VLR 2B - 30 A M	0,5	0,37	1 ~ 230 V	2,7	14	230-2103	
VLR 2B - 30 A T			3 ~ 230 ÷ 400 V	1,4-0,8		230-1003	
VLR 2B - 40 A M	0,75	0,55	1 ~ 230 V	4	16	230-2104	
VLR 2B - 40 A T			3 ~ 230 ÷ 400 V	1,8-1		230-1004	
VLR 2B - 50 A M	0,75	0,55	1 ~ 230 V	4	16	230-2105	
VLR 2B - 50 A T			3 ~ 230 ÷ 400 V	2,3-1,3		230-1005	
VLR 2B - 60 A M	1	0,75	1 ~ 230 V	5,2	25	230-2106	
VLR 2B - 60 A T			3 ~ 230 ÷ 400 V	2,7-1,5		230-1006	
VLR 2B - 70 A M	1	0,75	1 ~ 230 V	5,2	25	230-2107	
VLR 2B - 70 A T			3 ~ 230 ÷ 400 V	3-1,7		230-1007	
VLR 2B - 90 A M	1,5	1,1	1 ~ 230 V	8	35	230-2109	
VLR 2B - 90 A T			3 ~ 230 ÷ 400 V	3,6-2,1		230-1009	
VLR 2B - 110 A M	1,5	1,1	1 ~ 230 V	8	35	230-2111	
VLR 2B - 110 A T			3 ~ 230 ÷ 400 V	4,3-2,5		230-1011	
VLR 2B - 130 A M	2	1,5	1 ~ 230 V	12	45	230-2113	
VLR 2B - 130 A T			3 ~ 230 ÷ 400 V	5-2,9		230-1013	
VLR 2B - 150 A M	2	1,5	1 ~ 230 V	12	45	230-2115	
VLR 2B - 150 A T			3 ~ 230 ÷ 400 V	5,7-3,3		230-1015	
VLR 2B - 180 F T	3	2,2	3 ~ 230 ÷ 400 V	7,2-4,1		233-1018	
VLR 2B - 220 F T	3	2,2	3 ~ 230 ÷ 400 V	8,6-5		233-1022	
VLR 2B - 260 F T	4	3	3 ~ 230 ÷ 400 V	11,4-6,6		233-1026	

VLR 2B

- ❶ Version with oval flanges
VLR 2B 30/2 – VLR 2B 150



- ❷ Version with round flanges
PN10 DIN 2534/ISO 7005-2



Model	Dimensions (mm)							Net Weight (kg)	
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❶	L ₂ ❷	D	H		
VLR 2B - 30/2	238	213	451	—	—	142	109	20	—
VLR 2B - 30	238	213	451	—	—	142	109	21	—
VLR 2B - 40	256	213	469	—	—	142	109	23	—
VLR 2B - 50	274	213	487	—	—	142	109	25	—
VLR 2B - 60	296	237	533	—	—	160	131	26	—
VLR 2B - 70	314	237	551	—	—	160	131	33	—
VLR 2B - 90	350	237	587	—	—	160	131	34	—
VLR 2B - 110	386	237	623	—	—	160	131	36	—
VLR 2B - 130	441	265	706	—	—	185	130	37	—
VLR 2B - 150	477	265	742	—	—	185	130	43	—
VLR 2B - 180	—	265	—	556	821	185	130	—	49
VLR 2B - 220	—	265	—	628	893	185	130	—	61
VLR 2B - 260	—	315	—	704	1019	200	140	—	63

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 4's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. All 'A' versions are complete with 1 1/4" oval counterflanges. All 'F' versions are DN32 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

DIN flanges 25 bar (maximum pumped liquid temperature 40°C)

21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 4-20 = 6 Bar

VLR 4-30 - VLR 4-100 = 10 Bar

VLR 4-120 - VLR 4-260 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base - VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base - VLRX range.

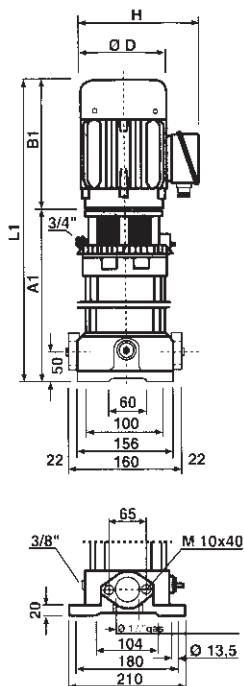
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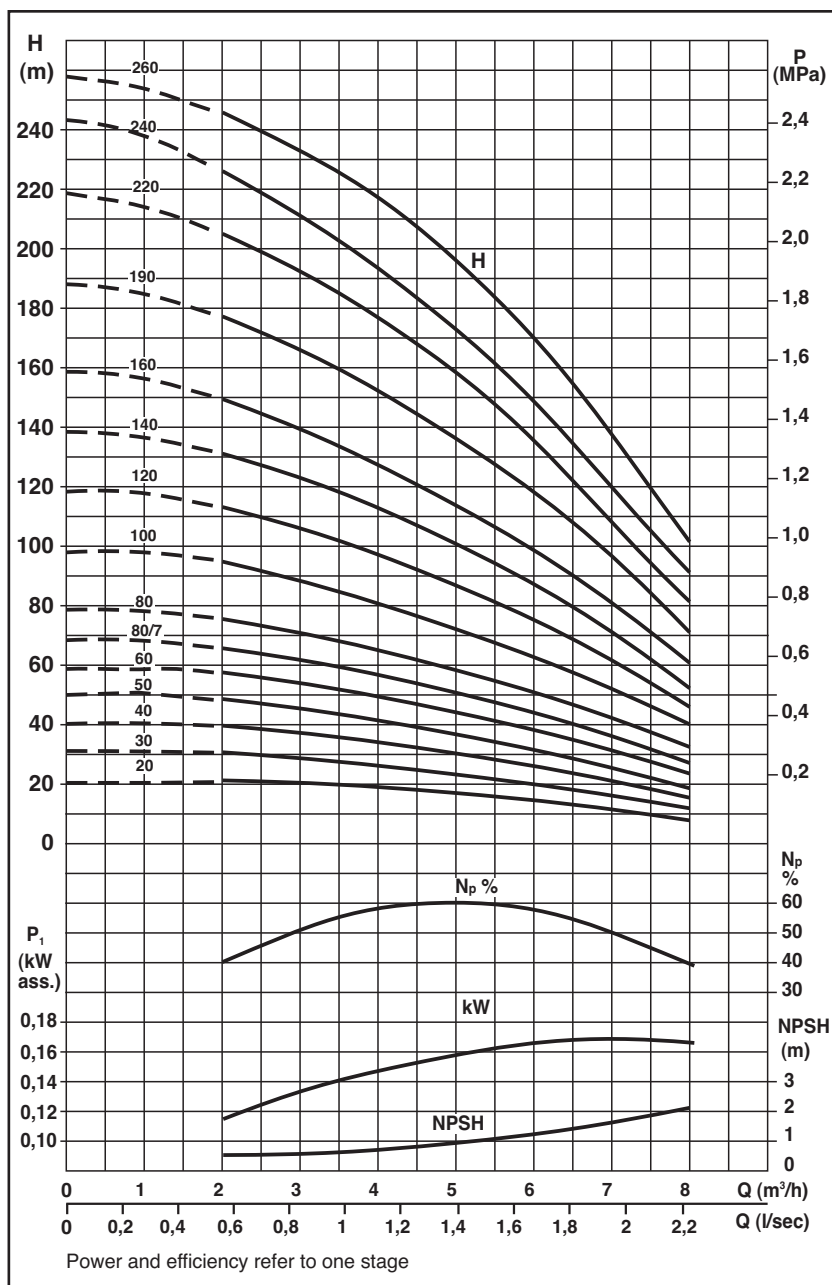
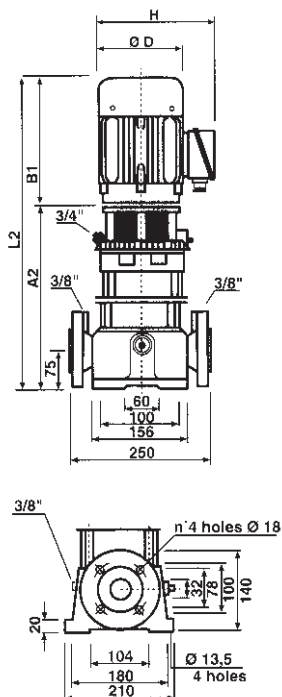
MODEL	Motor Power		VOLTAGE	Amp.	µF.	CODE	PRICE
	HP	KW					
VLR 4 - 20 A M	0,5	0,37	1 ~ 230 V	2,7	14	350-2102	
VLR 4 - 20 A T			3 ~ 230 ÷ 400 V	1,73-1		350-1002	
VLR 4 - 30 A M	0,75	0,55	1 ~ 230 V	4	16	350-2103	
VLR 4 - 30 A T			3 ~ 230 ÷ 400 V	2,5-1,45		350-1003	
VLR 4 - 40 A M	1	0,75	1 ~ 230 V	5,2	25	350-2104	
VLR 4 - 40 A T			3 ~ 230 ÷ 400 V	3,3-1,9		350-1004	
VLR 4 - 50 A M	1,5	1,1	1 ~ 230 V	8	35	350-2105	
VLR 4 - 50 A T			3 ~ 230 ÷ 400 V	4,3-2,5		350-1005	
VLR 4 - 60 A M	1,5	1,1	1 ~ 230 V	8	35	350-2106	
VLR 4 - 60 A T			3 ~ 230 ÷ 400 V	4,3-2,5		350-1006	
VLR 4 - 80/7 A M	2	1,5	1 ~ 230 V	12	45	350-2107	
VLR 4 - 80/7 A T			3 ~ 230 ÷ 400 V	5,9-3,4		350-1007	
VLR 4 - 80 A M	2	1,5	1 ~ 230 V	12	45	350-2108	
VLR 4 - 80 A T			3 ~ 230 ÷ 400 V	5,9-3,4		350-1008	
VLR 4 - 100 A T	3	2,2	3 ~ 230 ÷ 400 V	8,3-4,8		350-1010	
VLR 4 - 120 A T	3	2,2	3 ~ 230 ÷ 400 V	8,3-4,8		350-1012	
VLR 4 - 140 A T	4	3	3 ~ 230 ÷ 400 V	10,9-6,3		350-1014	
VLR 4 - 160 A T	4	3	3 ~ 230 ÷ 400 V	10,9-6,3		350-1016	
VLR 4 - 190 F T	5,5	4	3 ~ 400 ÷ 690 V	13,8-8		353-1119	
VLR 4 - 220 F T	5,5	4	3 ~ 400 ÷ 690 V	13,8-8		353-1122	
VLR 4 - 240 F T	7,5	5,5	3 ~ 400 ÷ 690 V	12,4-21,5		353-1124	
VLR 4 - 260 F T	7,5	5,5	3 ~ 400 ÷ 690 V	12,4-21,5		353-1126	

VLR 4

- ❶ Version with oval flanges
VLR 4-20 - VLR 4-160



- ❷ Version with round flanges
PN10 DIN 2534/ISO 7005-2



Model	Dimensions (mm)							Net Weight (kg)	
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❶	L ₂ ❷	D	H		
VLR 4 - 20	238	213	451	—	—	142	109	20	—
VLR 4 - 30	265	213	478	—	—	142	109	21	—
VLR 4 - 40	296	237	533	—	—	160	131	23	—
VLR 4 - 50	323	237	560	—	—	160	131	25	—
VLR 4 - 60	350	237	587	—	—	160	131	26	—
VLR 4 - 80/7	423	265	688	—	—	185	130	33	—
VLR 4 - 80	423	265	688	—	—	185	130	33	—
VLR 4 - 100	477	265	742	—	—	185	130	36	—
VLR 4 - 120	531	265	796	—	—	185	130	37	—
VLR 4 - 140	589	315	904	—	—	200	130	41	—
VLR 4 - 160	643	315	958	—	—	200	130	43	—
VLR 4 - 190	—	335	—	749	1084	200	140	—	61
VLR 4 - 220	—	335	—	830	1165	200	140	—	63
VLR 4 - 240	—	385	—	911	1298	260	185	—	87
VLR 4 - 260	—	385	—	965	1350	260	185	—	89

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 8's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 431 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. All 'A' versions are complete with 1½" oval counterflanges. All 'F' versions are DN40 round flanges, counterflanges are available upon request.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

Oval flanges 16 bar

DIN flanges 25 bar (maximum pumped liquid temperature 85°C)
21 bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 8-20 – VLR 8-30 = 6 Bar

VLR 8-40 – VLR 8-200 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base – VLRI range.

The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base – VLRX range.

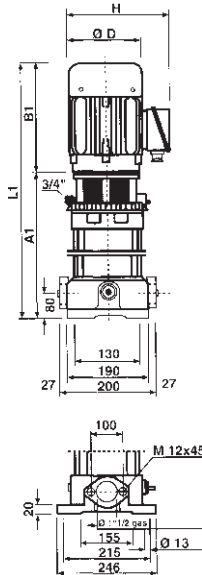
Please contact our sales representatives for further information.



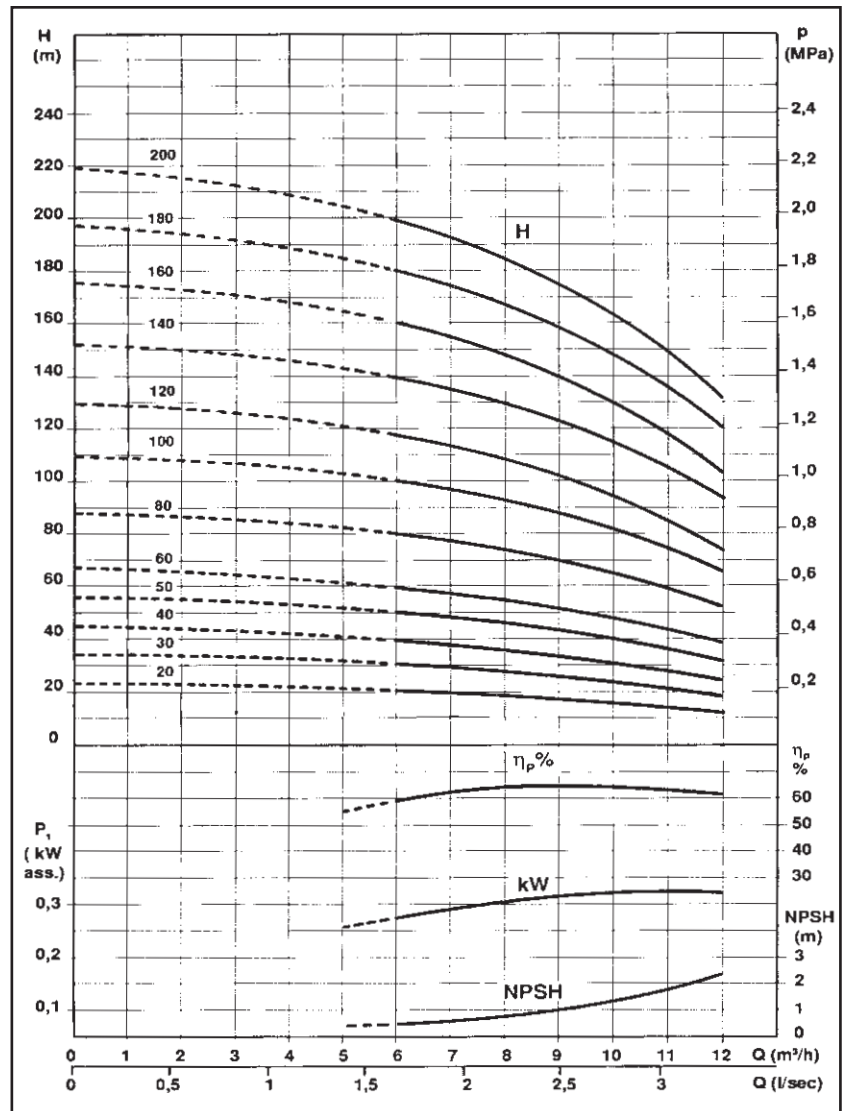
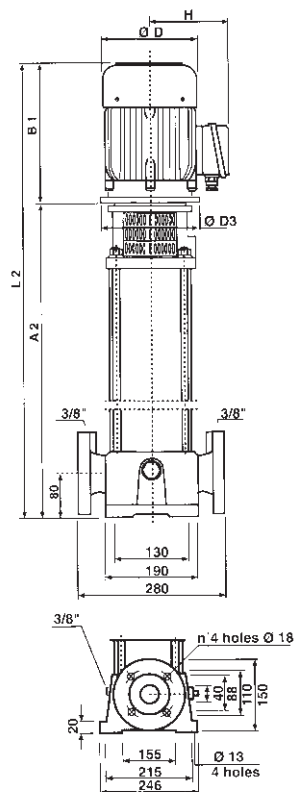
MODEL	Motor Power		VOLTAGE	Amp.	μF.	CODE	PRICE
	HP	KW					
VLR 8 - 20 A M	1	0,75	1 ~ 230 V	5,2	25	450-2102	
VLR 8 - 20 A T			3 ~ 230 ÷ 400 V	3,3-1,9		450-1002	
VLR 8 - 30 A M	1,5	1,1	1 ~ 230 V	8	35	450-2103	
VLR 8 - 30 A T			3 ~ 230 ÷ 400 V	4,3-2,5		450-1003	
VLR 8 - 40 A M	2	1,5	1 ~ 230 V	12	45	450-2104	
VLR 8 - 40 A T			3 ~ 230 ÷ 400 V	5,9-3,4		450-1004	
VLR 8 - 50 A T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1		450-1005	
VLR 8 - 60 A T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1		450-1006	
VLR 8 - 80 A T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8		450-1008	
VLR 8 - 100 A T	5,5	4	3 ~ 400 ÷ 690 V	16,8-9,7		450-1110	
VLR 8 - 120 A T	5,5	4	3 ~ 400 ÷ 690 V	16,8-9,7		450-1112	
VLR 8 - 140 F T	7,5	5,5	3 ~ 400 ÷ 690 V	21,5-12,4		453-1114	
VLR 8 - 160 F T	7,5	5,5	3 ~ 400 ÷ 690 V	21,5-12,4		453-1116	
VLR 8 - 180 F T	10	7,5	3 ~ 400 ÷ 690 V	28-16,4		453-1118	
VLR 8 - 200 F T	10	7,5	3 ~ 400 ÷ 690 V	28-16,4		453-1120	

VLR 8

- ❶ Version with oval flanges
VLR 8-20 – VLR 8-120



- ❷ Version with round flanges
PN25 DIN 2534/ISO 7005-2



Model	Dimensions (mm)									Net Weight (kg)
	A ₁ ❶	B ₁	L ₁ ❶	A ₂ ❷	L ₂ ❷	D	H	D ₃		
VLR 8 - 20	245	237	482	—	—	160	131	—	30	—
VLR 8 - 30	375	237	612	—	—	160	131	—	32	—
VLR 8 - 40	420	265	685	—	—	185	130	—	40	—
VLR 8 - 50	450	265	715	—	—	185	130	—	42	—
VLR 8 - 60	480	265	745	—	—	185	130	—	43	—
VLR 8 - 80	545	315	860	—	—	200	140	—	51	—
VLR 8 - 100	605	335	940	—	—	200	140	—	52	—
VLR 8 - 120	665	335	1000	—	—	200	140	—	56	—
VLR 8 - 140	—	385	—	745	1130	260	185	300	—	85
VLR 8 - 160	—	385	—	805	1190	260	185	300	—	86
VLR 8 - 180	—	385	—	865	1250	260	185	300	—	90
VLR 8 - 200	—	385	—	925	1310	260	185	300	—	91

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 16's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 316 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. These versions are with flanges DN 50 PN 25 DIN 2534/ISO 7005-2 (with 65mm diameter bore).

Counter flanges are available upon request – weldable DN 50 PN25
– 2" threaded

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

Maximum inlet pressures:

VLR 16-30/2 – VLR 16-18 = 16 Bar

VLR 16-100 – VLR 16-160 = 25 Bar (maximum pumped liquid temperature 85°C)

VLR 16-100 – VLR 16-160 = 23 Bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 16-30/2 – VLR 16-30 = 6 Bar

VLR 16-40 – VLR 16-100 = 15 Bar

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

The VLR range is also available with stainless steel AISI 304 base – VLRI range.

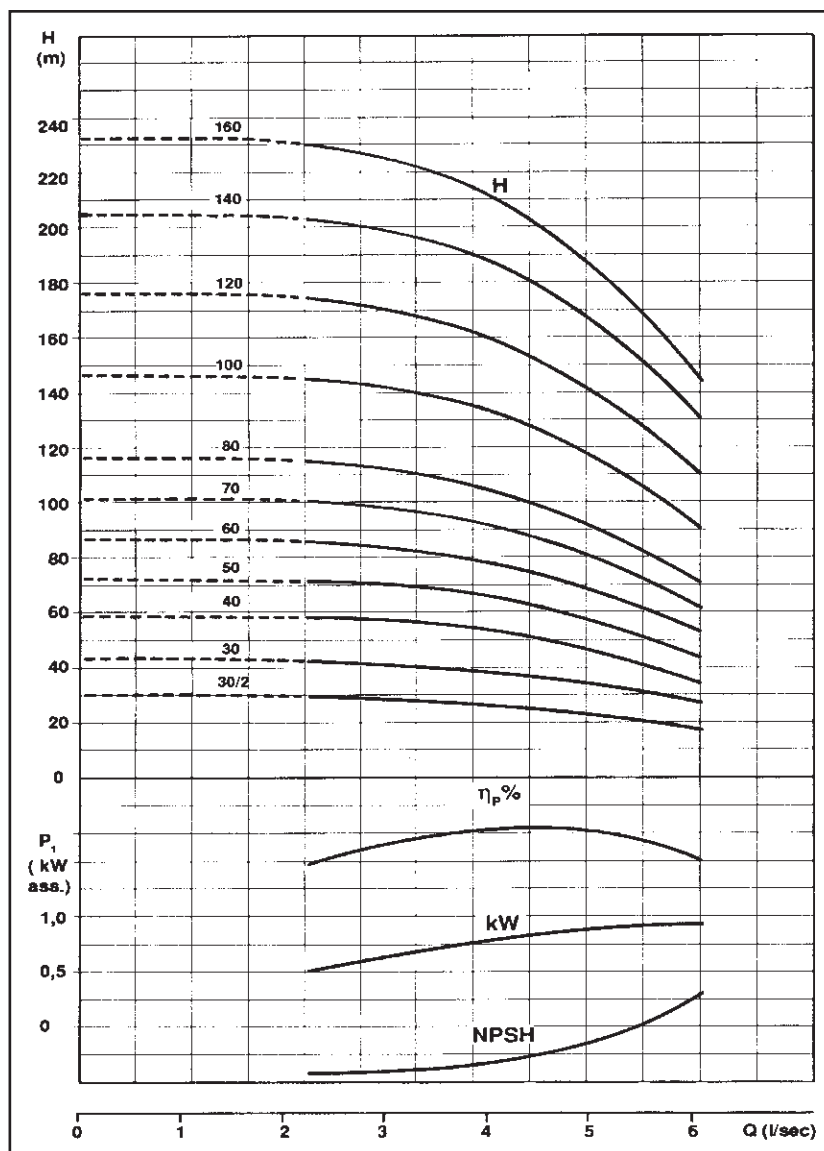
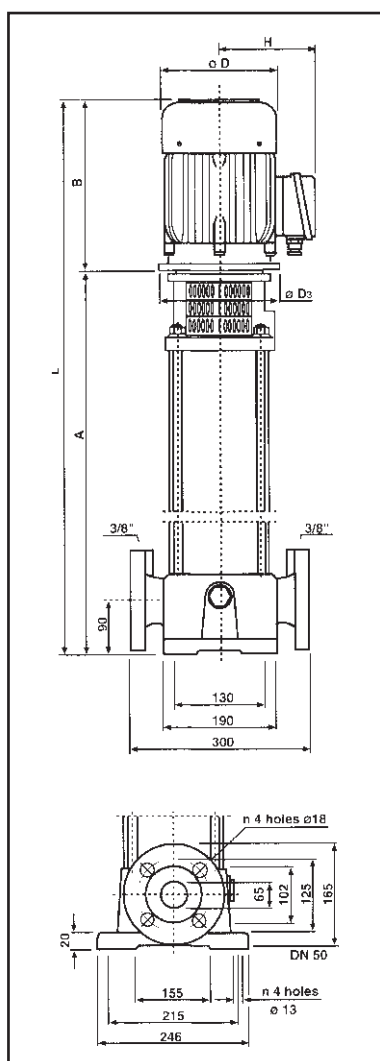
The VLR range is also available made with AISI 316 stainless steel impellers, diffusers, shaft, outer liner and base – VLRX range.

Please contact our sales representatives for further information.



MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 16 - 30/2 F T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1	550-1002	
VLR 16 - 30 F T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8	550-1003	
VLR 16 - 40 F T	5,5	4	3 ~ 400 ÷ 690 V	16,8-9,7	550-1104	
VLR 16 - 50 F T	7,5	5,5	3 ~ 400 ÷ 690 V	21,5-12,4	550-1105	
VLR 16 - 60 F T	7,5	5,5	3 ~ 400 ÷ 690 V	21,5-12,4	550-1106	
VLR 16 - 70 F T	10	7,5	3 ~ 400 ÷ 690 V	28-16,4	550-1107	
VLR 16 - 80 F T	10	7,5	3 ~ 400 ÷ 690 V	28-16,4	550-1108	
VLR 16 - 100 F T	15	11	3 ~ 400 ÷ 690 V	40-23,5	550-1110	
VLR 16 - 120 F T	15	11	3 ~ 400 ÷ 690 V	40-23,5	550-1112	
VLR 16 - 140 F T	20	15	3 ~ 400 ÷ 690 V	50-29	550-1114	
VLR 16 - 160 F T	20	15	3 ~ 400 ÷ 690 V	50-29	550-1116	

VLR 16



Model	Dimensions (mm)						Net Weight (kg)
	A	B	L	D	H	D ₂	
VLR 16 - 30/2	460	265	725	185	130	140	52
VLR 16 - 30	464	315	779	200	140	250	56
VLR 16 - 40	509	335	844	200	140	250	59
VLR 16 - 50	575	385	960	260	185	300	82
VLR 16 - 60	620	385	1005	260	185	300	84
VLR 16 - 70	665	385	1050	260	185	300	90
VLR 16 - 80	710	385	1095	260	185	300	92
VLR 16 - 100	830	495	1325	260	185	350	136
VLR 16 - 120	920	495	1425	260	185	350	140
VLR 16 - 140	1010	495	1505	310	230	350	181
VLR 16 - 160	1100	495	1595	310	230	350	185

SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 32's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pump chamber in AISI 304 stainless steel, shaft in AISI 431 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. These versions are flanged, complete with counter flanges.

Liquid temperatures range from -15°C to +120°C

Maximum operating pressures:

VLR 32-20 – VLR 32-60 = 16 Bar

VLR 32-70 – VLR 32-120 = 25 Bar (maximum pumped liquid temperature 85°C)

VLR 32-70 – VLR 32-160 = 23 Bar (maximum pumped liquid temperature 120°C)

Maximum inlet pressures:

VLR 32-10 = 3 Bar

VLR 32-20 – VLR 32-40 = 4 Bar

VLR 32-50 – VLR 32-90 = 10 Bar

VLR 32-110 – VLR 32-140 = 15 Bar

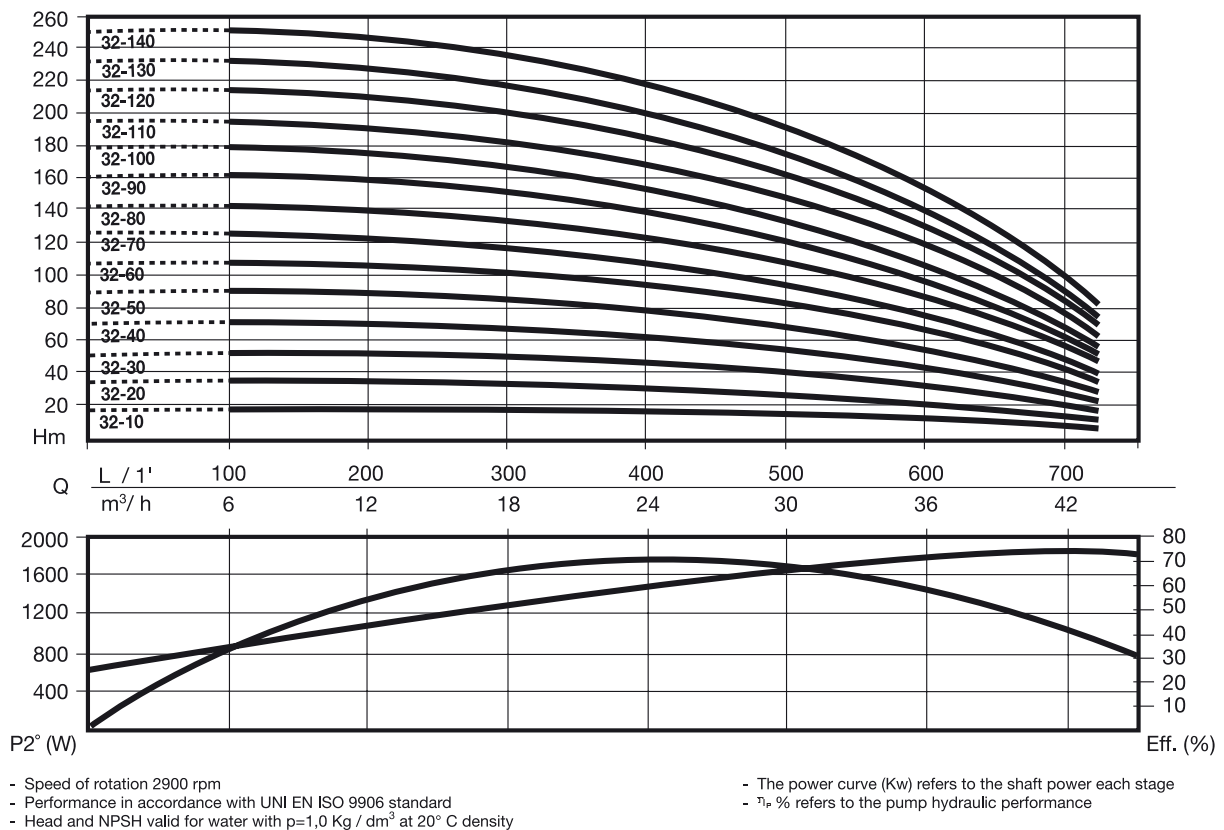
Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

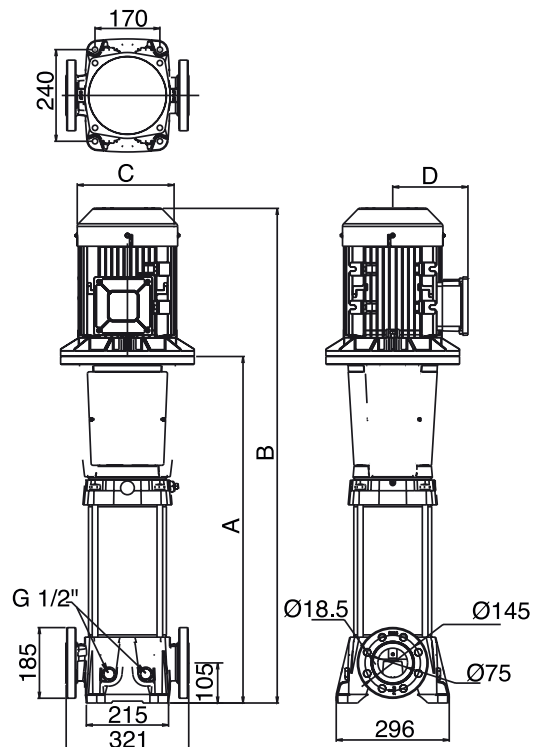


MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 32 – 10	3,00	2,20	3 ~ 230/400 V	8,6 5-5	660-0020	
VLR 32 – 20	5,50	4,00	3 ~ 400/690 V	8,6	660-0050	
VLR 32 – 30	7,50	5,50	3 ~ 400/690 V	11,3	660-0090	
VLR 32 – 40	10,00	7,50	3 ~ 400/690 V	14,7	660-0130	
VLR 32 – 50	15,00	11,00	3 ~ 400/690 V	21,0	660-0170	
VLR 32 – 60	15,00	11,00	3 ~ 400/690 V	21,0	660-0210	
VLR 32 – 70	20,00	15,00	3 ~ 400/690 V	29,0	660-0250	
VLR 32 – 80	20,00	15,00	3 ~ 400/690 V	29,0	660-0290	
VLR 32 – 90	20,00	15,00	3 ~ 400/690 V	29,0	660-0330	
VLR 32 – 100	25,00	18,50	3 ~ 400/690 V	35,0	660-0370	
VLR 32 – 110	25,00	18,50	3 ~ 400/690 V	35,0	660-0410	
VLR 32 – 120	30,00	22,00	3 ~ 400/690 V	42,0	660-0450	
VLR 32 – 130	40,00	30,00	3 ~ 400/690 V	55,0	660-0490	
VLR 32 – 140	40,00	30,00	3 ~ 400/690 V	55,0	660-0530	

VLR 32



Model	Dimensions (mm)				Net Weight (kg)
	A	B	C	D	kg
VLR 32 - 10	580	850	185	145	78
VLR 32 - 20	650	950	210	155	93.5
VLR 32 - 30	770	1160	260	200	114
VLR 32 - 40	840	1230	260	200	121
VLR 32 - 50	910	1370	260	215	153
VLR 32 - 60	980	1440	260	215	157.5
VLR 32 - 70	1050	1510	260	215	166.5
VLR 32 - 80	1120	1580	260	215	177.5
VLR 32 - 90	1190	1650	320	245	200
VLR 32 - 100	1260	1800	320	245	218
VLR 32 - 110	1330	1870	320	245	222.5
VLR 32 - 120	1400	1980	320	245	236
VLR 32 - 130	1480	2120	360	275	269
VLR 32 - 140	1550	2190	360	275	280



SURFACE MOUNTED PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 66's are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features include:

Impellers, diffusers and outer pumps chamber in AISI 304 stainless steel, shaft in AISI 431 stainless steel. Base and head casting are cast iron. Tungsten carbide mechanical seal. EPDM o rings. These versions are flanged. Counter flanges are not included.

Liquid temperatures range from -20°C to +120°C

Maximum operating pressures:

16 Bar including Suction head.

Applications include:

Water supply, pressure increase systems, irrigation, high pressure washers, fire fighting systems, boiler supply and liquid transfers.

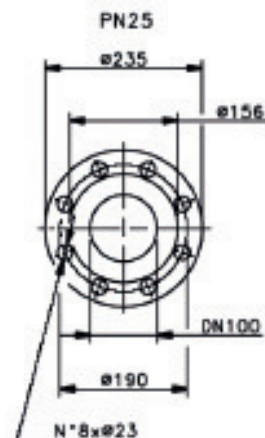
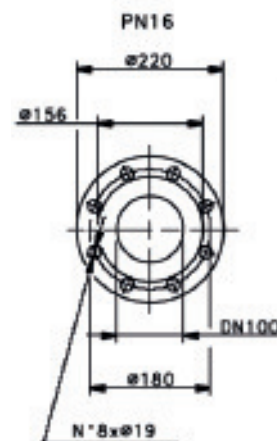
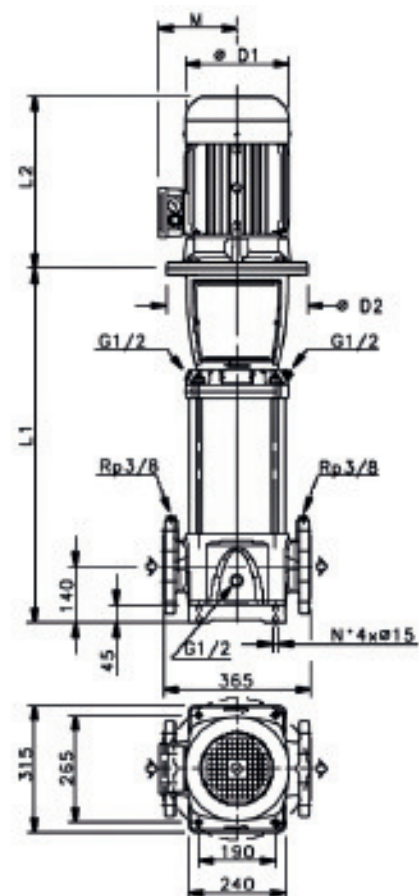
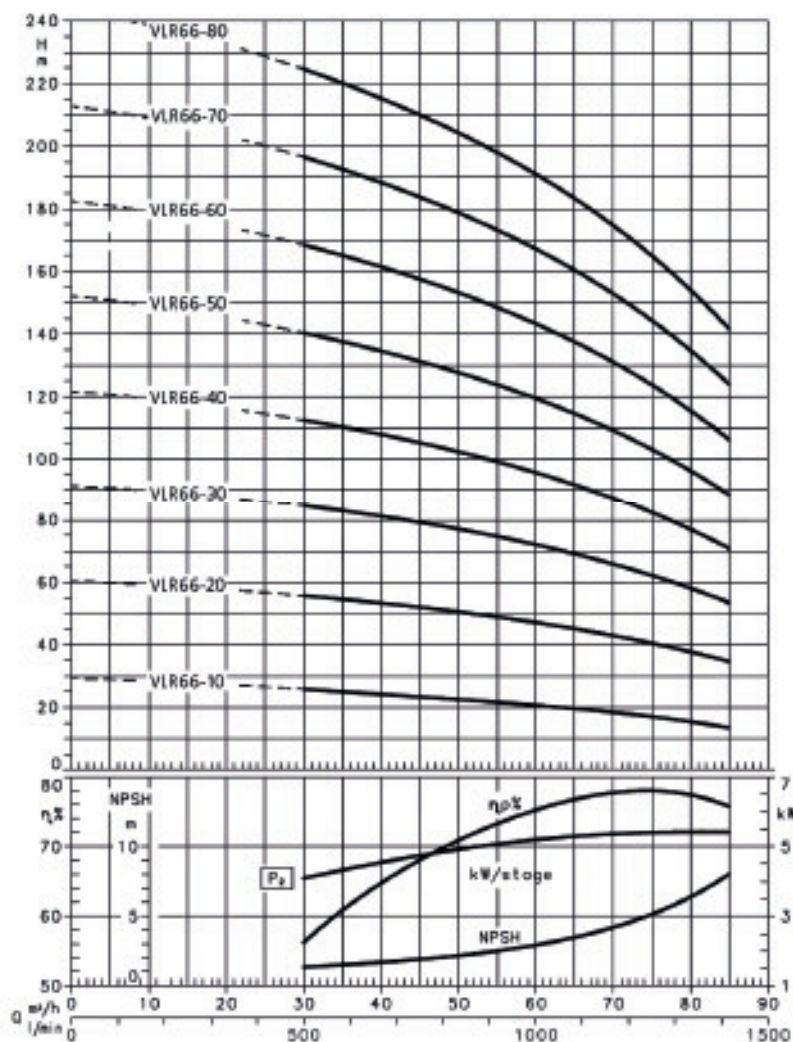


VLR – shown as booster set application



MODEL	Motor Power		VOLTAGE	Amp.	CODE	PRICE
	HP	KW				
VLR 66 – 10 FT	7,50	5,50	3 ~ 400/690 V	11,3	760-0010	
VLR 66 – 20 FT	7,50	5,50	3 ~ 400/690 V	11,3	760-0020	
VLR 66 – 30 FT	10,00	7,50	3 ~ 400/690 V	14,7	760-0030	
VLR 66 – 40 FT	15,00	11,00	3 ~ 400/690 V	21,0	760-0040	
VLR 66 – 50 FT	20,00	15,00	3 ~ 400/690 V	29,0	760-0050	
VLR 66 – 60 FT	20,00	15,00	3 ~ 400/690 V	29,0	760-0060	
VLR 66 – 70 FT	25,00	18,50	3 ~ 400/690 V	35,0	760-0070	
VLR 66 – 80 FT	30,00	22,00	3 ~ 400/690 V	42,0	760-0080	

VLR 66



Model	Motor		Flange	Dimensions (mm)					Net Weight (kg)	
	kW	MEC		L ₁	L ₂	D ₁	D ₂	M	Pump-	Total
VLR 66 - 10	5,5	132	16	574	374	220	300	151	72	107
VLR 66 - 20	11	160	16	699	427	257	350	194	81	148
VLR 66 - 30	18,5	160	16	789	532	310	350	244	86	202
VLR 66 - 40	22	180	16	879	532	310	350	244	93	213
VLR 66 - 50	30	200	16	969	613	354	400	278	105	237
VLR 66 - 60	37	200	25	1059	613	354	400	278	113	255
VLR 66 - 70	45	225	25	1149	710	411	450	298	122	341
VLR 66 - 80	45	225	25	1239	710	411	450	298	127	346

ACCESSORIES



**STAINLESS
HOSE CLIPS**

CODE	PRICE
030-269	
030-270	
030-272	
030-274	
030-276	
030-277	
030-278	
030-280	
030-282	

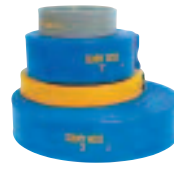


BOLT CLAMPS

CODE	PRICE
SEE	
PAGE	
100	

HOSE

See Pages
52 – 55
For
Pre-cut
&
Coiled
Hoses



HOSE LAYFLAT

CODE	CUT PRICE
-	-
030-300	
030-302	
030-304	
030-306	
030-307	
030-308	
030-310	
030-312	



SUCTION HOSE

CODE	CUT PRICE
030-320	
030-322	
030-324	
030-326	
030-328	
030-329	
030-330	
030-332	
030-334	

ACCESSORIES



GATE VALVE

CODE	PRICE
060-190	
060-192	
060-194	
060-196	
060-198	
060-200	
060-202	
060-204	
060-206	



BALL VALVES

CODE	PRICE
060-150	
060-152	
060-154	
060-156	
060-158	
060-160	
060-161	
060-162	
060-164	



INLINE STRAINER

CODE	PRICE
060-092	
060-094	
060-096	
060-098	
060-100	
060-102	
060-104	
060-106	
060-108	



**BRASS HOSE
TAILS (MALE)**

CODE	PRICE
060-006	
060-008	
060-014	
060-016	
030-223	
030-225	
030-229	
030-234	
030-235	



**BRASS HOSE
TAILS (FEMALE)**

CODE	PRICE
060-017	
060-018	
060-020	
030-219	
030-221	
030-227	
-	-
-	-
-	-



**SWIFT (FEMALE)
BSP**

CODE	PRICE
060-540	
060-542	
060-544	
060-546	
060-548	



**SWIFT (MALE)
BSP**

CODE	PRICE
060-554	
060-556	
060-558	
060-560	
060-562	



**SWIFT
HOSE BARB**

CODE	PRICE
060-586	
060-588	
060-590	
060-592	
060-594	



**PRESSURE
RELIEF VALVES**

CODE	PRICE
060-470	
060-472	
060-474	
060-475	
060-476	
060-477	
-	-
060-479	
-	-



MALE PLUG

CODE	PRICE
060-522	
060-524	
060-526	
060-528	
060-530	
060-534	
-	-
-	-
-	-

SWIFT 3 WAY FITTING

SWIFT REPLACEMENT GASKET

SWIFT BLANKING CAP

STEP ADAPTOR 1 1/4" (Female P.V.C.)
1" - 3/4" - 1/2"

STEP ADAPTOR 1 1/4" (Male P.V.C.)
1" - 3/4" - 1/2"

060-576

060-538

060-566

030-241

030-239



Swift 3 Way



Female Step
Adaptor



Male Step
Adaptor

ACCESSORIES



BARREL SOCKET

CODE PRICE

3/4"	060-482
1"	060-484
1 1/4"	060-486
1 1/2"	060-488
2"	060-490
2 1/2"	060-492*
3"	060-493*
4"	-
6"	-

* GALVANISED



3 PART UNION

CODE PRICE

060-495	
060-496	
-	-
060-498	
-	-
-	-
-	-
-	-
-	-

Ball Retaining Valves

See
Page
101



NON RETURN VALVE

CODE PRICE

060-130	
060-132	
060-134	
060-136	
060-137	
060-138	
060-139	
060-140	
-	-



SWING CHECK VALVE

CODE PRICE

-	
030-025	
030-032	
030-040	
030-050	
030-065	
030-080	
030-100	
030-150	



NIPPLE

CODE PRICE

060-502	
060-504	
060-506	
060-508	
060-510	
060-514	
060-516	
060-518	
060-519	



ELBOW (M-F)

CODE PRICE

060-600	
060-602	
060-604	
060-606	
060-608	
060-610	
060-612*	
060-614*	

* GALVANISED



TEE (F-F-F)

CODE PRICE

060-640	
060-642	
060-644	
060-646	
060-648	
060-650	
060-652	
060-654	
-	-



RCM MALE PLASTIC ELBOW

CODE PRICE

-	-
060-064	
060-066	
060-068	
060-070	
-	-
-	-
-	-
-	-



RCF FEMALE PLASTIC ELBOW

CODE PRICE

-	-
060-072	
060-074	
060-076	
060-078	
060-080	
-	-
-	-
-	-



SCREW-IN FILTERS

CODE PRICE

060-460	
060-462	
060-464	
060-465	
060-466	
060-467	
060-468	
060-469	
060-651	



FOOT VALVE

CODE PRICE

-	-
060-110	
060-112	
060-114	
060-116	
060-118	
060-119	
060-120	
060-122	



BRASS REDUCER BUSHES

SIZE CODE PRICE

3/4" - 1/2"	060-620	
1" - 3/4"	060-622	
1" - 1/2"	060-624	
1 1/4" - 1"	060-626	
1 1/2" - 1"	060-630	
1 1/2" - 1 1/4"	060-628	
2" - 1"	060-633	
2" - 1 1/4"	060-632	
2" - 1 1/2"	060-634	
2 1/2" - 2"	060-636	
3" - 2"	060-638*	
3" - 2 1/2"	060-639*	

* GALVANISED



HOSE TAIL MALE (PVC)

CODE PRICE

-	-
030-203	
030-207	
030-212	
030-215	
030-226	
-	-
030-231	
030-236	



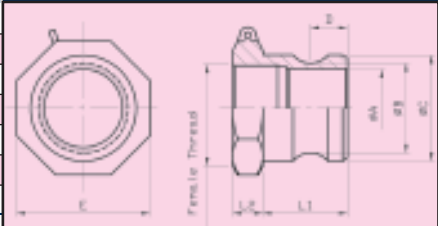
HOSE TAIL FEMALE (PVC)

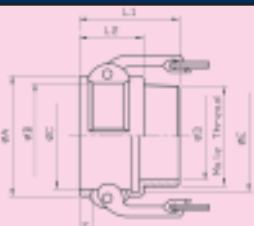
CODE PRICE

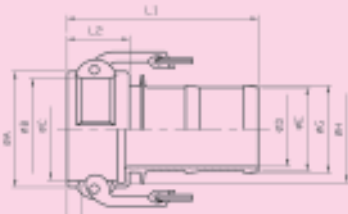
-	-
030-205	
030-209	
030-213	
030-217	
030-228	
-	-
030-233	
030-238	

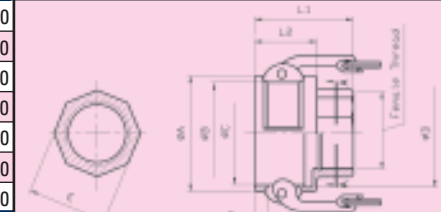
CAM LEVER-LOCK COUPLINGS

Dimensions

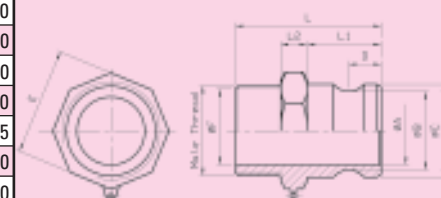
CAM PART A															
Size	øA	øB	øC	D	E	-	-	-	-	L1	L2		Size	Code	Price
1"	23.91	29.06	36.73	14.27	39.25	-	-	-	-	33.53	14.50		1"	CAM A 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	49.00	-	-	-	-	39.60	15.00		1 1/4"	CAM A 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	54.50	-	-	-	-	41.15	15.00		1 1/2"	CAM A 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	65.00	-	-	-	-	47.50	15.00		2"	CAM A 2 AL	
3"	73.15	81.33	91.54	22.66	95.00	-	-	-	-	50.00	19.05		3"	CAM A 3 AL	
4"	98.15	109.40	119.58	22.66	120.00	-	-	-	-	52.28	24.00		4"	CAM A 4 AL	
6"	152.50	161.53	175.93	24.38	185.00	-	-	-	-	57.15	25.40		6"	CAM A 6 AL	

CAM PART B															
Size	øA	øB	øC	øD	øE	F	-	-	-	L1	L2		Size	Code	Price
1"	48.00	42.00	37.24	32.00	40.49	7.00	-	-	-	56.00	38.00		1"	CAM B 1 AL	
1¼"	57.00	51.50	46.00	24.00	51.00	8.00	-	-	-	63.00	44.00		1¼"	CAM B 1¼ AL	
1½"	66.00	59.50	54.00	40.00	57.20	9.00	-	-	-	66.00	46.00		1½"	CAM B 1½ AL	
2"	75.00	70.00	63.80	50.00	68.28	10.00	-	-	-	76.00	52.00		2"	CAM B 2 AL	
3"	104.00	99.00	92.20	76.00	96.04	12.30	-	-	-	87.00	56.00		3"	CAM B 3 AL	
4"	137.00	127.50	120.24	102.00	125.43	13.50	-	-	-	93.50	58.50		4"	CAM B 4 AL	
6"	195.00	187.00	176.50	152.00	182.40	14.00	-	-	-	108.50	62.50		6"	CAM B 6 AL	

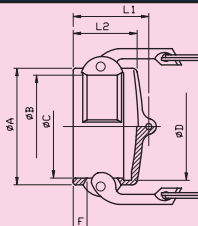
CAM PART C														Size	Code	Price
Size	øA	øB	øC	øD	øE	F	øG	øH	-	L1	L2	1"		CAM C 1 AL		
1"	48.00	42.00	37.24	19.50	24.80	7.00	27.40	40.49	-	106.00	38.00	1 1/4"		CAM C 1 1/4 AL		
1 1/4"	57.00	51.00	46.00	25.50	31.00	8.00	34.00	51.00	-	112.00	44.00	1 1/2"		CAM C 1 1/2 AL		
1 1/2"	66.00	59.50	54.00	32.00	37.70	9.00	40.50	57.20	-	106.00	46.00	2"		CAM C 2 AL		
2"	75.00	70.00	63.75	44.00	49.60	10.00	53.20	68.28	-	118.00	52.00	3"		CAM C 3 AL		
3"	104.00	99.00	92.20	67.41	75.40	12.30	79.20	96.04	-	147.00	56.00	4"		CAM C 4 AL		
4"	137.00	127.50	120.24	92.00	100.80	13.50	104.70	125.04	-	171.50	58.50	6"		CAM C 6 AL		
6"	195.00	187.00	176.50	144.40	152.40	14.00	155.60	182.40	-	230.00	62.50					

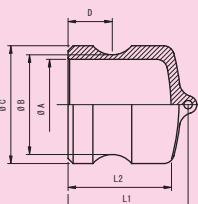
CAM PART D																	
Size	øA	øB	øC	øD	øE	F	-	-	-	L1	L2				Size	Code	Price
1"	48.00	42.00	37.24	40.49	39.25	7.00	-	-	-	56.00	38.00				1"	CAM D 1 AL	
1 1/4"	57.00	51.50	46.00	51.00	49.00	8.00	-	-	-	63.00	44.00				1 1/4"	CAM D 1 1/4 AL	
1 1/2"	66.00	59.50	54.00	57.20	54.50	9.00	-	-	-	65.00	46.00				1 1/2"	CAM D 1 1/2 AL	
2"	75.00	70.00	63.80	68.28	65.00	10.00	-	-	-	76.00	52.00				2"	CAM D 2 AL	
3"	104.00	99.00	92.20	96.04	95.00	12.30	-	-	-	87.00	56.00				3"	CAM D 3 AL	
4"	137.00	127.50	120.24	125.43	120.00	13.50	-	-	-	92.00	58.50				4"	CAM D 4 AL	
6"	195.00	187.00	176.50	182.40	-	14.00	-	-	-	108.50	62.50				6"	CAM D 6 AL	

CAM PART E															
Size	øA	øB	øC	D	øE	øF	øG	-	-	L1	L2		Size	Code	Price
1"	23.91	29.06	36.73	14.27	24.80	19.50	27.40	-	-	102.00	41.00		1"	CAM E 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	31.00	25.50	34.00	-	-	108.00	47.00		1 1/4"	CAM E 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	37.10	32.00	40.50	-	-	113.00	48.00		1 1/2"	CAM E 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	49.60	44.00	53.20	-	-	131.00	57.00		2"	CAM E 2 AL	
3"	73.15	81.33	91.54	22.66	75.40	67.40	79.20	-	-	166.00	60.00		3"	CAM E 3 AL	
4"	98.15	109.40	119.58	22.66	100.80	91.80	104.70	-	-	173.50	61.50		4"	CAM E 4 AL	
6"	152.50	161.53	175.93	24.38	152.40	144.40	155.60	-	-	232.85	57.15		6"	CAM E 6 AL	

CAM PART F															
Size	øA	øB	øC	D	E	øF	-	-	L1	L2	L3		Size	Code	Price
1"	23.91	29.06	36.73	14.27	39.25	24.00	-	-	66.00	33.53	14.50		1"	CAM F 1 AL	
1 1/4"	28.20	35.30	45.50	17.45	46.50	31.00	-	-	73.50	73.50	14.90		1 1/4"	CAM F 1 1/4 AL	
1 1/2"	36.26	42.93	53.47	17.45	54.50	40.00	-	-	76.00	41.15	15.00		1 1/2"	CAM F 1 1/2 AL	
2"	45.79	52.45	63.09	21.46	65.00	50.00	-	-	86.50	47.50	15.00		2"	CAM F 2 AL	
3"	73.15	81.33	91.54	22.66	92.00	76.00	-	-	100.00	50.00	19.05		3"	CAM F 3 AL	
4"	98.15	109.40	119.58	22.66	120.00	102.50	-	-	112.00	52.28	24.00		4"	CAM F 4 AL	
6"	152.50	161.53	175.93	24.38	185.00	152.00	-	-	128.45	57.15	25.40		6"	CAM F 6 AL	

CAM LEVER-LOCK COUPLINGS

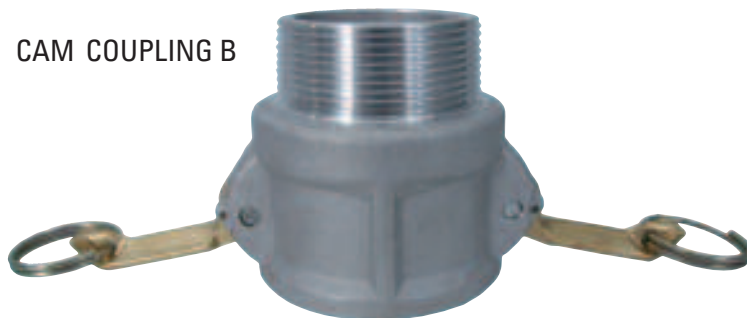
DC CAM															
Size	øA	øB	øC	øD	-	-	-	-	L1	L2	F		Size	Code	Price
1"	48.00	42.00	37.24	40.49	-	-	-	-	46.00	38.00	7.00		1"	CAM DC 1 AL	
1 1/4"	57.00	51.50	46.00	51.00	-	-	-	-	51.00	44.00	8.00		1 1/4"	CAM DC 1 1/4 AL	
1 1/2"	66.00	59.50	54.00	57.20	-	-	-	-	54.00	46.00	9.00		1 1/2"	CAM DC 1 1/2 AL	
2"	77.00	70.00	63.80	68.28	-	-	-	-	63.00	52.00	10.00		2"	CAM DC 2 AL	
3"	106.00	99.00	92.20	96.04	-	-	-	-	64.00	56.00	12.30		3"	CAM DC 3 AL	
4"	137.00	127.50	120.24	125.43	-	-	-	-	70.00	60.00	13.50		4"	CAM DC 4 AL	
6"	195.00	187.00	176.50	181.00	-	-	-	-	72.50	62.50	14.00		6"	CAM DC 6 AL	

DP CAM															
Size	øA	øB	øC		-	-	-	-	L1	L2	D		Size	Code	Price
1"	23.91	29.06	36.73		-	-	-	-	40.00	32.00	14.27		1"	CAM DP 1 AL	
1 1/4"	28.20	35.30	45.50		-	-	-	-	46.00	37.50	17.50		1 1/4"	CAM DP 1 1/4 AL	
1 1/2"	36.26	42.93	53.47		-	-	-	-	45.00	37.00	17.45		1 1/2"	CAM DP 1 1/2 AL	
2"	45.79	52.45	63.09		-	-	-	-	52.00	43.00	21.46		2"	CAM DP 2 AL	
3"	73.15	81.33	91.54		-	-	-	-	58.00	47.00	22.66		3"	CAM DP 3 AL	
4"	98.15	109.40	119.58		-	-	-	-	61.00	50.00	22.66		4"	CAM DP 4 AL	
6"	152.50	161.53	175.93		-	-	-	-	61.15	57.15	24.38		6"	CAM DP 6 AL	

CAM COUPLING A



CAM COUPLING B



CAM COUPLING C



CAM COUPLING E



CAM COUPLING D



CAM CAP



CAM PLUG



CAM COUPLING F



ACCESSORIES

POWER CABLES & FLOAT SWITCHES

DESCRIPTION	Kg	CODE	PRICE
Pump Power Cable 10 metre 1.5mm 3 core 110v/230v	1.5	030-705	
Pump Power Cable 10 metre 2.5mm 3 core 110v/230v	2.0	030-706	
Pump Power Cable 10 metre 1.5mm 4 core 415v	1.6	030-720	
Pump Power Cable 10 metre 2.5mm 4 core 415v	2.0	030-721	
Mac 3 Float	1.0	020-001	
Agma 22 Magnetic	1.5	020-003	
Nocchi Pump Power Cable 10 metre 110v/230v	1.5	751S2000	
Nocchi Pump Float Switch	0.5	751S1780	



STAINLESS STEEL HOSE CLIPS, BOLT CLAMPS

SIZE APPROX	CODE	PRICE
LAYFLAT & SUCTION HOSE CLIPS		
3/4"	16-25mm	030-269
1"	22-30mm	030-270
1 1/4"	30-40mm	030-272
1 1/2"	35-50mm	030-274
2"	40-60mm	030-276
2 1/2"	50-70mm	030-277
3"	70-90mm	030-278
4"	110-140mm	030-280
6"	130-160mm	030-282
BOLT CLAMPS LAYFLAT		
2"	52-55mm	030-250
3"	80-85mm	030-252
4"	104-112mm	030-254
6"	149-161mm	030-256
BOLT CLAMPS SUCTION HOSE		
2"	56-59mm	030-260
3"	86-91mm	030-262
4"	113-121mm	030-264
6"	162-174mm	030-266



Hose Clip

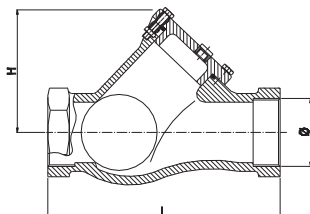


Bolt Hose Clamp

ACCESSORIES

THREADED & FLANGED BALL RETAINING VALVES

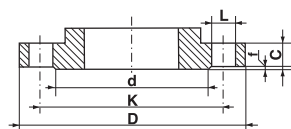
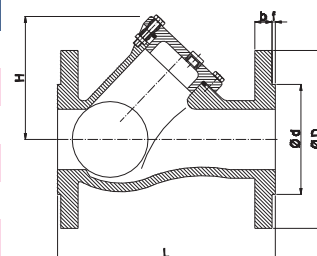
Ball retaining valves for waste water, suitable for heavy duty applications. The special chemical structure of NBR rubber, coating the stainless steel ball, allows the application with liquids of different viscosity and/or chemically aggressive and liquids having temperatures from 0° to 110°C. the use of rubber coating on all available diameters, improves quality and life of valves reducing water hammer problems assuring noiseless installations.



DESCRIPTION	H	L	Kg	CODE	PRICE
1/4" Threaded	100	170	4	060-740	
1/2" Threaded	100	170	4	060-741	
2" Threaded	115	200	6	060-742	
2 1/2" Threaded	140	268	10	060-743	



DESCRIPTION	DN	D	d	b	f	H	L	Kg	CODE	PRICE
DN50 PN16 Flanged	50	165	102	15	3	115	202	9.5	060-744	
DN65 PN16 Flanged	65	185	122	15	3	140	248	13.0	060-745	
DN80 PN16 Flanged	80	200	138	17	3	158	262	16.5	060-746	
DN100 PN16 Flanged	100	220	158	17	3	194	302	23.0	060-747	
DN150 PN16 Flanged	150	285	212	19	3	258	408	49.0	060-748	
DN200 PN10 Flanged	200	340	260	25	3	310	505	97.0	060-749	



FLANGE DATA										
DN	PN	D	K	L	n°	día	C	d	f	
50	16	165	125	18	4	M16	18	102	3	
65	16	185	145	18	4	M16	18	122	3	
80	16	200	160	18	8	M16	20	138	3	
100	16	220	180	18	8	M16	20	158	3	
150	16	285	240	22	8	M20	22	212	3	
200	16	340	295	22	12	M20	26	-	-	



SPHERE DESCRIPTION

Vulcanised rubber compound (with high contents of acrylic-nitril rubber) suitable for where high resistance to gasolines (butane, propane) and oils is required.



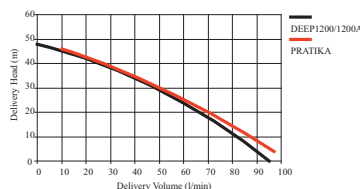
WELL AND BOREHOLE PUMPS

DEEP & PRATIKA – MULTISTAGE PUMPS

230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DEEP 1200 AUTO	10.8	400 x 150 x 150	90/45	1.1	022-832	
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

The Pratika (stainless steel, 1 1/4" outlet) and Deep (plastic, 1" outlet) submersible pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or Abrasive material. Maximum submersion depth 10m. Complete with 15m of HO7 RN-F cable.



Deep 1200



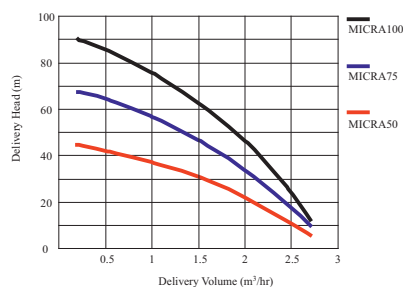
Pratika Auto

MICRA 3"

1" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
MICRA-50M	9.8	930 x 72 x 72	45/45	0.6	022-910	
MICRA-75M	11	1145 x 72 x 72	45/68	0.9	022-912	
MICRA-100M	12	1390 x 72 x 72	45/90	1.2	022-914	

Micra – complete with capacitor/thermal overload control box. 1.5 metre 4 core cable supplied from motor. For additional cable and joining kits see page 113. Stainless steel construction with Noryl impellers and diffusers. Non-return valve built into discharge head.



Micra

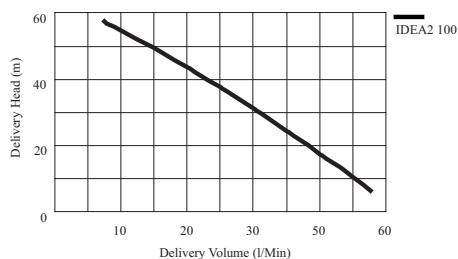


IDEA 4"

1" OUTLET

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
IDEA-100M 230v	11.6	385 x 95 x 95	50/55	1.15	022-816	
IDEA-100M 110v	11.6	385 x 95 x 95	50/55	1.15	022-818	

Idea 100 – 10 metre 4 core cable supplied from motor to capacitor/thermal overload control box. For additional cable and joining kits see page 113. Peripheral turbine pump. Examples of use – for clean water boosting, pressure booster sets and sprinkle irrigation.



Idea

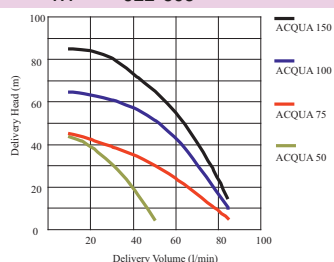


ACQUA 4"

1 1/4" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
ACQUA 50M	10.5	615 x 95 x 95	50/42	0.37	022-893	
ACQUA 75M	12.5	706 x 95 x 95	80/45	0.55	022-894	
ACQUA 100M	13.6	780 x 95 x 95	85/65	0.75	022-896	
ACQUA 150M	13.7	987 x 95 x 95	85/85	1.1	022-898	

Acqua – c/w 1.5 metre 4 core cable supplied from motor. Capacitor/thermal overload control box. For additional cable and joining kits see page 113. Stainless steel motor and outer pump case. Impellers and diffusers made from Noryl. For clean water boosting, pressure booster sets and sprinkle irrigation are examples.



Acqua



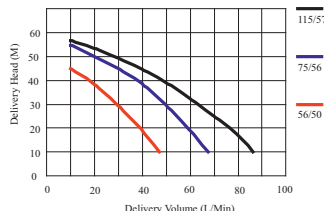
WELL AND BOREHOLE PUMPS

DOMINATOR 4"

1 1/4" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DOMINATOR 55/50M	8.8	549 x 98 x 98	55/50	0.65	320-0040	
DOMINATOR 75/56M	9.6	643 x 98 x 98	75/56	0.75	320-0050	
DOMINATOR 115/57	9.9	643 x 98 x 98	115/57	1.1	320-0030	

Dominator – c/w 20m 3 core cable.
Internal capacitor. Acetal resin impellers, polycarbonate diffusers. Stainless steel pump casing and suction screen.
Mechanical seal. Integrated non-return valve.
Clean water only. Max water temp 40°C.
Maximum submersion depth 20m.



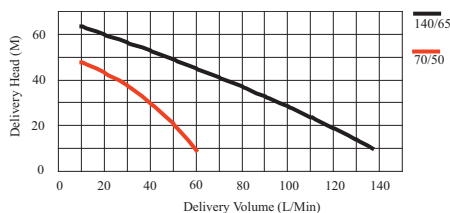
Dominator 4"

DOMINATOR 5"

1 1/4" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DOMINATOR 70/50 MAN	14	470 x 132 x 132	70/50	0.95	319-1000	
DOMINATOR 70/50 AUTO	14	470 x 132 x 132	70/50	0.95	319-1010	
DOMINATOR 140/65 MAN	16	550 x 132 x 132	140/65	1.7	319-1060	
DOMINATOR 140/65 AUTO	16	550 x 132 x 132	140/65	1.7	319-1070	

Dominator – c/w 20m 3 core cable.
Internal capacitor.
Stainless steel pump casing, suction screen, impellers and diffusers.
Mechanical seal. Integrated non-return valve.
Clean water only. Max water temp 40°C.
Maximum submersion depth 20m.



Dominator 5"

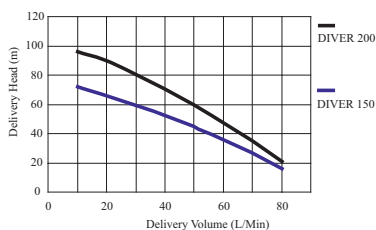
DIVER 6"

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DIVER 150M 230v	13	550 x 127 x 127	90/70	1.6	022-812	
DIVER 200M 230v	16	648 x 127 x 127	90/90	2.4	022-808	
DIVER 200T 415v	16	648 x 127 x 127	90/90	2.4	022-806	

Diver and diver HF – c/w 10m 4 core cable.
Capacitor and thermal overload box.
Stainless steel motor and outer case.
Impellers and diffusers made from Noryl.
Mechanical seal. Clean water only.

Diver 150 1" Female BSP Outlet

Diver 200 1 1/4" Female BSP Outlet



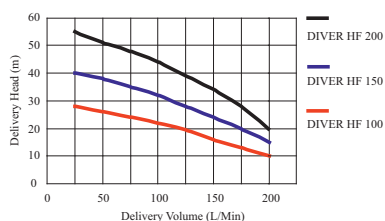
Diver Series

DIVER 6" HIGH FLOW

1 1/2" OUTLET 230v

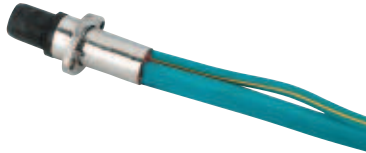
MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DIVER HF 100M	13	459 x 127 x 127	280/28	1.2	022-900	
DIVER HF 150M	14	521 x 127 x 127	280/40	1.6	022-902	
DIVER HF 200M	17	604 x 127 x 127	280/55	2.2	022-904	

Diver and diver HF – c/w 10m 4 core cable.
Capacitor and thermal overload box.
Stainless steel motor and outer case.
Impellers and diffusers made from Noryl.
Mechanical seal. Clean water only.
Built for high flow, with low pressure.



4" BOREHOLE MOTORS 230v & 415v

4" borehole motors are supplied with a flying lead from the motor to allow for the joining and connection of the required cable. Stainless steel AISI 304 stator shell. Water lubricated rotor. Shaft/rotor made from high grade stainless steel.



CONNECTOR CABLE

All the 4" borehole motors are supplied with a four core watertight removable cable. Ideal for assembly/disassembly of the motor or pump part.

4" SUBMERSIBLE CANNED TYPE MOTOR



Top and bottom brackets made from cast iron with nickel plating treatment with a cover made from stainless steel AISI 304 for a full stainless steel appearance.

Ensure that the well or installation is clean.
Maximum sand content must not exceed 40 gr/m³.

Carbon graphite bushes, thrust bearings with hardened stainless steel pads. For the different sizes of motors and the loading of the pumps there are different thrust bearing loading systems.



THRUST BEARING SYSTEM 2000N-3000N SERIES

2000N from 0.37kw to 1.1kw
3000N from 1.5kw to 2.2kw

THRUST BEARING SYSTEM 6000N SERIES

from 3.0kw to 7.5kw



WELL AND BOREHOLE PUMPS

4" BOREHOLE MOTORS 230v & 415v

4" Borehole motors are supplied with a flying lead from the motor to allow for the joining and connection of the required cable.

Please see page 113 for cable selection chart, cables and joining kits.

If you require capacitor/overload protection please see below & page 26.

Standard nema mounting and shafts CCW rotation.

MODEL	kW	VOLT	UF SIZE	FLC	CODE	PRICE
4" MOTOR	0.37	230	16	3.3	023-310	
4" MOTOR	0.55	230	20	4.6	023-320	
4" MOTOR	0.75	230	25	6.2	023-330	
4" MOTOR	1.1	230	35	8.6	023-340	
4" MOTOR	1.5	230	40	11	023-350	
*4" MOTOR	2.2	230	50/60	16/18	023-352	
4" MOTOR	0.37	415	N/A	1.3	023-315	
4" MOTOR	0.55	415	N/A	1.5	023-325	
4" MOTOR	0.75	415	N/A	2.0	023-335	
4" MOTOR	1.1	415	N/A	2.9	023-345	
4" MOTOR	1.5	415	N/A	3.8	023-355	
4" MOTOR	2.2	415	N/A	5.5	023-360	
4" MOTOR	3	415	N/A	7.6	023-362	
4" MOTOR	4	415	N/A	9.8	023-364	
4" MOTOR	5.5	415	N/A	13.0	023-366	
4" MOTOR	7.5	415	N/A	15.5	023-368	

**Check to see which version is available for capacitor/overload box selection.*

CAPACITOR/OVERLOAD BOXES

4" BOREHOLE MOTORS 230v

kW	VOLT	CAPACITOR	OVER LOAD	WITH LOW LEVEL CONTROL	CODE	PRICE
0.37	230	16	4	NO	023-530	
0.55	230	20	5	NO	023-532	
0.75	230	25	7	NO	023-534	
1.1	230	35	9	NO	023-536	
1.5	230	40	12	NO	023-538	
2.2	230	50	16	NO	023-540	
2.2	230	60	18	NO	023-542	

For three phase 415v and single phase 230v control panels with built in capacitors, overload and optional low level protection see page 26.

GUARDIAN CONTROLS

Guardian gives dry run protection without probes in the well – the control box replaces the standard control box and monitors motor power factor. It trips out and retries at 20, 45, & 90 minute intervals to see if water level has recovered – if not it turns the power off to protect the motor. Replaces existing control box and can be wired to pressure switches "etc".

kW	VOLT	CAPACITOR	OVER LOAD	MODEL	CODE	PRICE
0.37-2.2	230	TO SUIT*	1-18A	GUARDIAN ME	023-568	
0.37-2.2	415	N/A	1-9A	GUARDIAN 1E	023-564	
3-7.5	415	N/A	10-20A	GUARDIAN 2E	023-566	

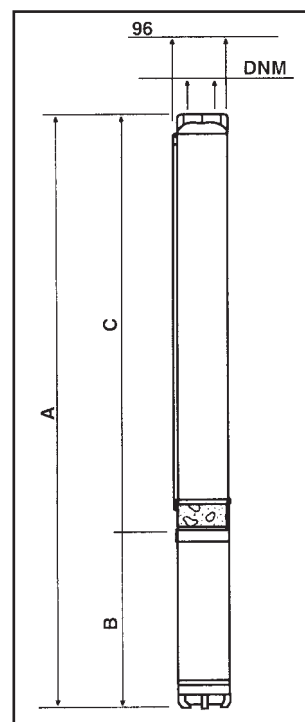
*For capacitors see page 112



SCM 4 PLUS MULTISTAGE BOREHOLE CARTRIDGES

TABLE FOR CALCULATING PUMP LENGTH

MODEL	A Total Length mm	B Motor Length mm	C Pump Length mm	DNM	Total Weight Kg.
SCM 4 PLUS 40/57 M	576	242	334	1/4"	11.8
SCM 4 PLUS 40/57 T	557	223	334		10.8
SCM 4 PLUS 40/90 M	717	271	446		14.0
SCM 4 PLUS 40/90 T	688	242	446		12.7
SCM 4 PLUS 40/120 M	857	299	558		16.1
SCM 4 PLUS 40/120 T	829	271	558		14.9
SCM 4 PLUS 40/185 M	1109	327	782		19.2
SCM 4 PLUS 40/185 T	1081	299	782		17.9
SCM 4 PLUS 40/240 M	1339	356	983		22.2
SCM 4 PLUS 40/240 T	1310	327	983		20.8
SCM 4 PLUS 55/50 M	509	242	267		11.3
SCM 4 PLUS 55/50 T	490	223	267		10.3
SCM 4 PLUS 55/80 M	628	271	357		13.1
SCM 4 PLUS 55/80 T	599	242	357		11.8
SCM 4 PLUS 55/105 M	700	299	401		14.9
SCM 4 PLUS 55/105 T	672	271	401		13.7
SCM 4 PLUS 55/160 M	862	327	535		17.3
SCM 4 PLUS 55/160 T	834	299	535		16.0
SCM 4 PLUS 55/200 M	1026	356	670		19.8
SCM 4 PLUS 55/200 T	997	327	670		18.4
SCM 4 PLUS 55/300 T	1317	356	961		22.3
SCM 4 PLUS 75/40 M	545	242	303	1/4"	11.2
SCM 4 PLUS 75/40 T	526	223	303		10.2
SCM 4 PLUS 75/56 M	631	271	360		12.9
SCM 4 PLUS 75/56 T	602	242	360		11.6
SCM 4 PLUS 75/75 M	744	299	445		14.8
SCM 4 PLUS 75/75 T	716	271	445		13.6
SCM 4 PLUS 75/110 M	915	327	588		17.1
SCM 4 PLUS 75/110 T	887	299	588		15.8
SCM 4 PLUS 75/140 M	1058	356	702		19.4
SCM 4 PLUS 75/140 T	1029	327	702		18.0
SCM 4 PLUS 75/210 T	1372	356	1016		21.5
SCM 4 PLUS 115/30 M	488	242	246	1/4"	11.0
SCM 4 PLUS 115/30 T	469	223	246		10.0
SCM 4 PLUS 115/50 M	602	271	331		12.8
SCM 4 PLUS 115/50 T	573	242	331		11.5
SCM 4 PLUS 115/65 M	687	299	388		14.4
SCM 4 PLUS 115/65 T	659	271	388		13.2
SCM 4 PLUS 115/95 M	829	327	502		16.6
SCM 4 PLUS 115/95 T	801	299	502		15.3
SCM 4 PLUS 115/122 M	973	356	617		18.8
SCM 4 PLUS 115/122 T	944	327	617		17.4
SCM 4 PLUS 115/185 T	1202	356	846		20.8
SCM 4 PLUS 115/245 T	1525	423	1102		25.0
SCM 4 PLUS 150/42 M	652	299	353	2"	14.0
SCM 4 PLUS 150/42 T	624	271	353		12.8
SCM 4 PLUS 150/64 M	790	327	463		16.1
SCM 4 PLUS 150/64 T	762	299	463		14.8
SCM 4 PLUS 150/84 M	929	356	573		18.3
SCM 4 PLUS 150/84 T	900	327	573		16.9
SCM 4 PLUS 150/120 T	1141	356	786		20.1
SCM 4 PLUS 150/170 T	1466	423	1043		24.2
SCM 4 PLUS 150/200 T	1816	590	1226		33.1
SCM 4 PLUS 150/300 T	2407	704	1703		42.3
SCM 4 PLUS 250/53 M	951	356	595	2"	18.0
SCM 4 PLUS 250/53 T	922	327	595		15.6
SCM 4 PLUS 250/78 T	1186	356	830		18.0
SCM 4 PLUS 250/100 T	1550	514	1036		23.9
SCM 4 PLUS 250/127 T	1833	590	1243		29.6
SCM 4 PLUS 250/185 T	2462	704	1758		42.6
SCM 4 HF 400/30 M	914	384	530		21.5
SCM 4 HF 400/30 T	857	327	530		19.0
SCM 4 HF 400/50	1036	356	680		21.5
SCM 4 HF 400/80	1664	584	1080		33.0
SCM 4 HF 400/100	2258	698	1560		39.4



SCM 4 PLUS CARTRIDGE SHOWN WITH MOTOR

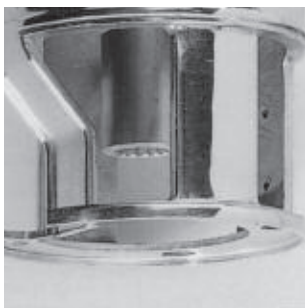
SCM 4 PLUS MULTISTAGE BOREHOLE CARTRIDGES

4" MULTISTAGE CENTRIFUGAL BOREHOLE CARTRIDGES

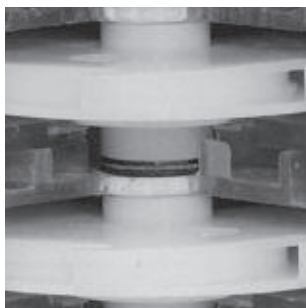
The SCM 4 PLUS submersible cartridges consist of a multistage pumping unit. Especially suitable for pumping from deep 4" (100mm) Ø wells.

DESIGN FEATURES

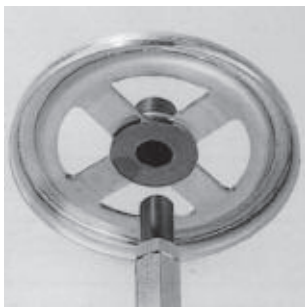
Delivery connection, suction flange, pump casing, non return valve in AISI 304 stainless steel
Shaft in AISI 303 stainless steel
Acetal resin impellers
Polycarbonate diffusers with ceramic insert at the point of wear
Polycarbonate diffuser caps with stainless steel insert
Thrust ring inserted in every stage



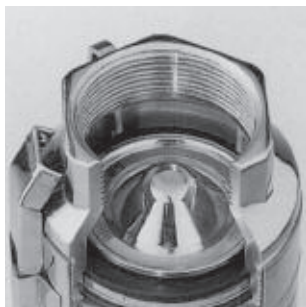
Motor bracket and suction point in microcast AISI 304 stainless steel rigidly welded to the outer stainless steel liner. Stainless steel suction grid.



Floating impeller with suction point shim made of stainless steel, moulded on to the diffuser cover. Carbon thrust bearing inserted between the hub of the impeller and the ceramic running surface.



Shaft guide bearing made with a self-lubricating closed bush in molybdenum bisulphide polyamide and stainless steel shaft with ceramic insert at the point of wear.



Delivery connection point in microcast AISI 304 stainless steel with an internal tapered double profile with a stainless steel non return valve and a double slot for safety cable.

TYPES OF LIQUID

Clean water non aggressive, non explosive and free of solids

Maximum liquid temperature 30°C

APPLICATIONS INCLUDE

Pumping from drilled wells

Automatic systems for garden irrigation

Surface irrigation for agricultural use

Pumping and supply of stored deposits or of booster autoclaves for civil and industrial systems

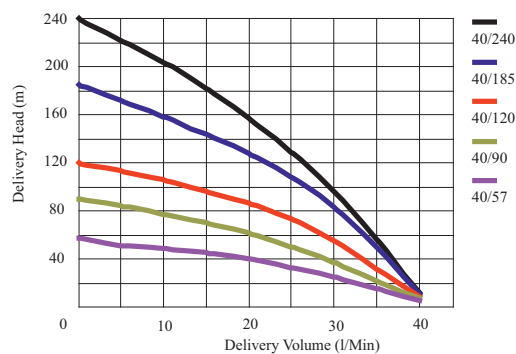


SCM 4 PLUS CARTRIDGE

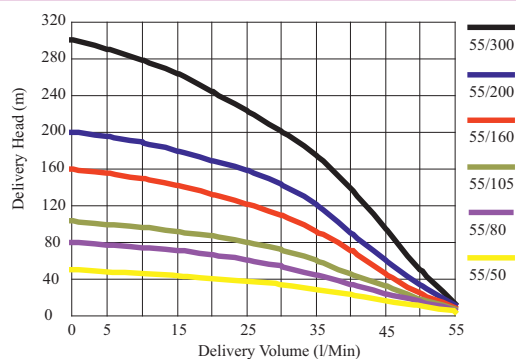
SCM 4 PLUS BOREHOLE CARTRIDGES

Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 105.
If you require capacitor/overload protection please see pages 26 & 105.
Standard nema mounting, rotation check required if not using our motors.

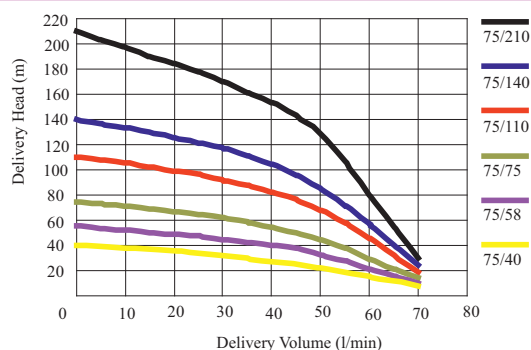
MODEL	KW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 40-57	0.37	1 1/4"	40/57	105-0010	
4 Plus 40-90	0.55	1 1/4"	40/90	105-0020	
4 Plus 40-120	0.75	1 1/4"	40/120	105-0030	
4 Plus 40-185	1.1	1 1/4"	40/185	105-0040	
4 Plus 40-240	1.5	1 1/4"	40/240	105-0050	



MODEL	KW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 55-50	0.37	1 1/4"	55/50	105-0060	
4 Plus 55-80	0.55	1 1/4"	55/80	105-0070	
4 Plus 55-105	0.75	1 1/4"	55/105	105-0080	
4 Plus 55-160	1.1	1 1/4"	55/160	105-0090	
4 Plus 55-200	1.5	1 1/4"	55/200	105-0100	
4 Plus 55-300	2.2	1 1/4"	55/300	105-0110	



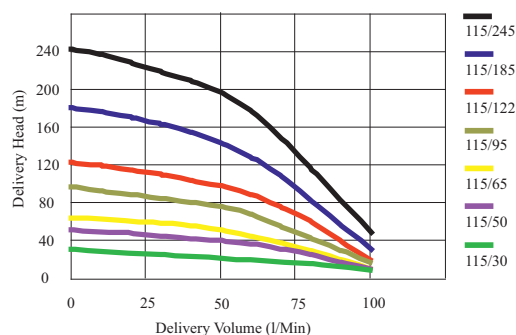
MODEL	KW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 75-40	0.37	1 1/4"	75/40	105-0120	
4 Plus 75-56	0.55	1 1/4"	75/56	105-0130	
4 Plus 75-75	0.75	1 1/4"	75/75	105-0140	
4 Plus 75-110	1.1	1 1/4"	75/110	105-0150	
4 Plus 75-140	1.5	1 1/4"	75/140	105-0160	
4 Plus 75-210	2.2	1 1/4"	75/210	105-0170	



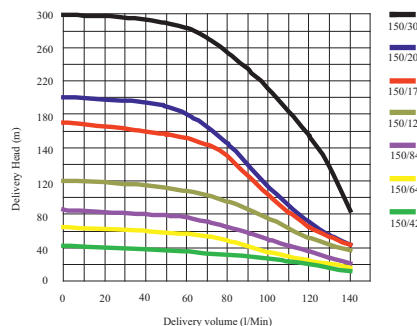
SCM 4 PLUS BOREHOLE CARTRIDGES

Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 105.
If you require capacitor/overload protection please see pages 26 & 105.
Standard nema mounting, rotation check required if not using our motors.

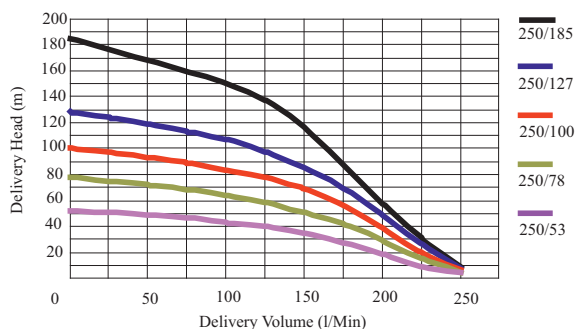
MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 115-30	0.37	1 1/4"	115-30	105-0180	
4 Plus 115-50	0.55	1 1/4"	115-50	105-0190	
4 Plus 115-65	0.75	1 1/4"	115-65	105-0200	
4 Plus 115-95	1.1	1 1/4"	115-95	105-0210	
4 Plus 115-122	1.5	1 1/4"	115-122	105-0220	
4 Plus 115-185	2.2	1 1/4"	115-185	105-0230	
4 Plus 115-245	3.0	1 1/4"	115-245	105-0240	



MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 150-42	0.75	2"	150-42	105-0250	
4 Plus 150-64	1.1	2"	150-64	105-0260	
4 Plus 150-84	1.5	2"	150-84	105-0270	
4 Plus 150-120	2.2	2"	150-120	105-0280	
4 Plus 150-170	3	2"	150-170	105-0290	
4 Plus 150-200	4	2"	150-200	105-0300	
4 Plus 150-300	5.5	2"	150-300	105-0310	



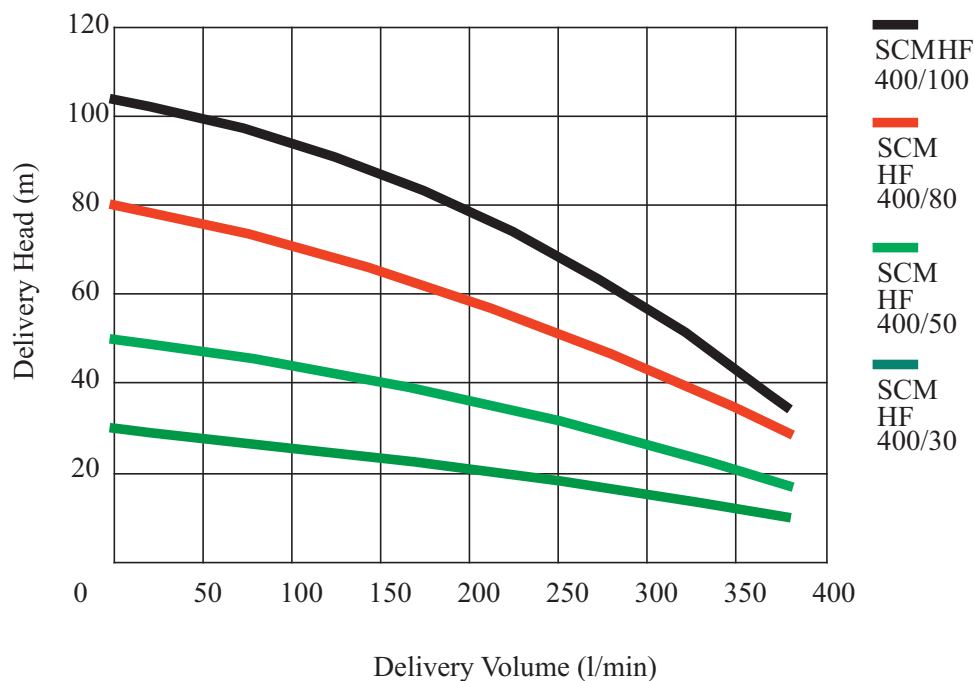
MODEL	kW REQUIRED	OUTLET	LM/HM	CODE	PRICE
4 Plus 250-53	1.5	2"	250/53	105-0320	
4 Plus 250-78	2.2	2"	250/78	105-0330	
4 Plus 250-100	3	2"	250/100	105-0340	
4 Plus 250-127	4	2"	250/127	105-0350	
4 Plus 250-185	5.5	2"	250/185	105-0360	



SCM 4 PLUS BOREHOLE CARTRIDGES

Select required cartridge, note the kw required then choose a motor, 230v or 415v from page 105.
If you require capacitor/overload protection please see pages 26 & 105.
Standard nema mounting, rotation check required if not using our motors.

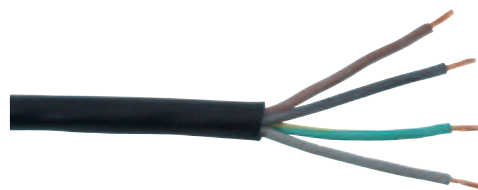
MODEL	kw REQUIRED	OUTLET	LM/HM	CODE	PRICE
SCM 4 HF 400-30	1.5	2"	400/30	105-7980	
SCM 4 HF 400-50	2.2	2"	400/50	105-7990	
SCM 4 HF 400-80	4.0	2"	400/80	105-8000	
SCM 4 HF 400-100	5.5	2"	400/100	105-8010	



ACCESSORIES



PRESSURE SWITCHES
See Page 74



EXTENSION CABLE
See Page 113



BALL & GATE VALVES
See Page 96



VESSELS
See Page 75



CABLE JOINING KITS
See Page 113



CAPACITOR / OVERLOAD BOXES
See Page 105



HOSE
See Pages 52 – 55



HOSETAILS PLASTIC & BRASS
See Page 96

WELL AND BOREHOLE PUMPS

PIPE RESISTANCE CHART GUIDE

FLOW LT/MIN	PIPE SIZE											
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
30	70	16.5	5.3	1.4	0.7	0.2						
40		28	9	2.3	1.2	0.3						
50		42	13	3.5	1.8	0.5	0.15					
60		58	18	5	3	0.7	0.2					
70		76	24	6.5	3	0.9	0.2	0.1				
80			30	8	4	1.2	0.3	0.16				
90			38	9	5	1.5	0.45	0.23				
100			46	11	6	2	0.5	0.2	0.12			
125			70	17	9	3	0.8	0.3	0.18	0.1		
150				25	12	4	1.2	0.5	0.2	0.14		
175				33	16	6	1.5	0.6	0.33	0.18		
200				42	21	7	2	1	0.4	0.2	0.08	
250				64	32	10	2.8	1.2	0.6	0.3	0.12	
300					45	14	4	2	1	0.45	0.17	
400					78	24	6.8	3	1.5	0.8	0.2	0.12
500						36	11	5	3	1.5	0.5	0.17

BOLD NUMBERS INDICATE EXTRA HEAD CREATED BY PIPE RESISTANCE IN METRES PER 100m RUN

PIPE RESISTANCE CHART EXAMPLES:

300m of 1 1/2" pipe with 70 l/m flow ie: at 70 l/m 1 1/2" pipe requires 3m extra head for each 100m.
Therefore 3 x 3m = 9m extra static head.

500m of 2" pipe with 200l/m ie: @ 200 l/m 2" pipe = 7m head.
Therefore 7 x 5 = 35m extra static head.

CAPACITORS 440v MOTOR RUN

TYPE	CODE	PRICE	TYPE	CODE	PRICE
2uf	072-070		25uf	072-110	
4uf	072-075		30uf	072-115	
6uf	072-080		35uf	072-117	
8uf	072-085		40uf	072-120	
10uf	072-090		50uf	072-125	
12uf	072-095		60uf	072-130	
16uf	072-100		70uf	072-135	
20uf	072-105		80uf	072-140	

WELL AND BOREHOLE PUMPS

CABLE RECOMMENDATION SIZE FOR PUMPS – CABLE SIZE 4 CORE IN mm MAXIMUM LENGTH OF CABLE IN METRES

MOTOR (kw)	VOLT	1.5mm	2.5mm	4mm	6mm	10mm	16mm
SINGLE PHASE MOTORS							
0.37	230	80	130	230	350	580	1000
0.55	230	55	90	140	200	350	700
0.75	230	40	65	105	160	300	500
1.1	230	30	50	75	115	190	400
1.5	230	25	35	60	90	145	230
2.2	230	–	30	50	70	120	185
3 PHASE MOTORS							
0.37	415	400	500	600	850	1000	1300
0.55	415	315	430	600	700	900	1200
0.75	415	240	350	500	650	750	1000
1.1	415	180	285	350	450	600	900
1.5	415	135	225	360	470	600	900
2.2	415	100	165	255	390	450	700
3	415	65	110	180	255	420	560
4	415	50	85	135	195	330	500
5.5	415	40	70	110	165	270	390
7.5	415	30	55	90	130	220	495

CABLE RESISTANCE EXAMPLES

Max volt drop allowed is 2.5% = 6v @ 230v

1.1kw motor single phase on 150m of cable, ie: on 1.1kw the maximum you can run is 190m, if you use 10mm.

1.1 kw motor three phase on 150m of cable, ie: 1.1kw can go up to 180m on 1.5mm cable. Therefore on 10mm it can run up to 600m.

CABLES H07RNF & JOINTS

ITEM - 4 CORE CABLE	CODE	PRICE	ITEM - 3 CORE CABLE	CODE	PRICE
CABLE					
1.5 x 4C CABLE	023-510		1.5 x 3C CABLE	023-610	
2.5 x 4C CABLE	023-512		2.5 x 3C CABLE	023-612	
4.0 x 4C CABLE	023-514		4.0 x 3C CABLE	023-614	
6.0 x 4C CABLE	023-516		6.0 x 3C CABLE	023-616	
10.0 x 4C CABLE	023-518		10.0 x 3C CABLE	023-620	
JOINT KIT EPOXY 2 PART					
0.5-4mm	023-520		6mm +	023-522	

Cut cable cannot be returned for credit unless sent incorrectly.

FUEL OIL "RED" HIGH VOLUME DIESEL FUEL TRANSFER PUMP

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EA2L 230v	1"	15	285 x 216 x 375	120/12	0.55	070-168	
RED EA2V 230v	2"	21	300 x 185 x 410	500/12	1.5	070-166	

RED EA2M 415v	1"	15	285 x 216 x 375	120/12	0.55	070-169	
RED EA1S 415v	2"	21	300 x 185 x 410	500/12	1.5	070-167	
RED EAM7 415v	3"	30	300 x 185 x 445	700/15	2.2	070-165	

Self priming electric pump with open impeller to transfer fuels. Suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.



Fuel Oil "Red"

FUEL OIL "RED" COMPLETE WITH FLAME PROOF MOTOR

MODEL	PORT	KG	H x W x L mm	LM/HM	kW	CODE	PRICE
RED EAZ3★ 230v	1½"	15.5	300 x 255 x 495	325/15	0.75	070-EAZ3	
RED EA9D★ 230v	2"	27	300 x 280 x 520	500/15	1.5	070-EA9D	
RED EA9E★ 230v	3"	50	300 x 280 x 550	700/15	2.2	070-EA9E	
RED 2140★ 415v	1½"	40	300 x 255 x 495	325/15	0.75	070-2140	
RED 2141★ 415v	2"	27	300 x 280 x 520	500/15	1.5	070-2141	
RED 2138★ 415v	3"	30	300 x 280 x 550	700/15	2.2	070-2138	
RED 2139★ 415v	3"	59	400 x 335 x 685	900/22	4	070-2139	

Self priming electric pump with flame proof motor for the transfer of fuels. Open impeller suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of water after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve. Manufactured in accordance with standards ATEX 94/9/CE. ★ Available upon request



Fuel Oil "Red"

KOSHIN GEAR PUMPS FOR HEAVY LIQUIDS – BARE SHAFT

MODEL	KG	PULLEY	LM	BAR	kW	CODE	PRICE
GC13	4.2	125 x 1A	20	1-3	0.2	050-410	
GC20	5.8	150 x 1A	37	1-3	0.4	050-414	
GC25	10.2	200 x 1A	55	1-3	0.75	050-416	



Koshin GC

KOSHIN GEAR PUMPS FOR LIGHT LIQUIDS – BARE SHAFT

MODEL	KG	PULLEY	LM	BAR	kW	CODE	PRICE
GL13-5	8.2	BARE	18	1-5	0.4	050-440	
GL20-5	8.2	BARE	31	1-5	0.75	050-444	
GL25-5	8.2	BARE	48	1-5	1.5	050-448	



Koshin GL

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 47

LOW VOLTAGE FUEL OIL PUMPS

SELF PRIMING TRANSFER PUMPS

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT/AMPS	CODE	PRICE
KPT 12-40 12v	3/4"	3.6	140 x 130 x 200	42/12	130/20	050-335	
KPT 24-40 24v	3/4"	3.6	140 x 130 x 200	40/12	140/15	050-340	

KPT self priming rotary vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Plastic carrying case with handle, on/off switch, fuse, suction filter and one metre of battery cable with clips.



KPT

DRUM PUMPS

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
PTP 12-40/SF 12v	10	40/12	270/18	050-290	
PTP 24-40/SF 24v	10	40/12	270/10	050-292	

FD-12 12v	20	40/6	80/14	050-215
FD-24 12v	20	50/7	90/7	050-220

PTP diesel oil transfer kits includes low voltage self priming electric pump, on/off switch, battery clips, aluminium trigger gun, 4 metres rubber hose, metal telescopic suction tube, suction filter, hose connections and 2" bung connection. Designed to be assembled and directly fitted to drums. FD diesel oil transfer kits include aluminium trigger gun, 2 metres rubber hose from pump to trigger, metal suction tube, suction filter, 2" bung connection, 5 metres of power cable. Comes pre-assembled.



PTP



FD

DIESEL DISPENSING KITS

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
BATTERY KIT 12v	7	40/12	130/20	7043	
GTP 1224/45-60 Dual Voltage Model					
12v mode	10	45	192/16	050-294	
24v mode		60	528/22		

Battery kit self priming vane pump with a built in by pass within the pump body. Maximum suction lift three metres. Plastic carrying case with handle. Kit includes one metre of battery cable and clips, on/off switch, fuse, trigger gun, two metres of suction hose, three metres of delivery hose, all necessary hose tails, clips and suction filter.

GTP 1224/45-60 self priming vane pump. Dual voltage. 12 volt and 24 volt. Complete with flow meter, trigger gun, discharge connection, foot valve and four metres of hose which can be cut to desired length for suction and in between the pump outlet and trigger gun.

For extra hose and accessories see page 117.



Battery Kit



GTP

ECOIL – ENGINE OIL REMOVAL PUMP & KIT SUCTION PUMP WITH OIL STORAGE VESSEL & FOUR ASSORTED PROBES TO SUIT DIPSTICK TUBES

MODEL	KG	H x W x L	WATT/AMPS	CODE	PRICE
ECOIL 12v	22	900 x 300 x 300	370/25	050-264	
ECOIL 24v	22	900 x 300 x 300	370/15	050-266	

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point. All low voltage pumps have a running time of approx twenty minutes in every hour.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 47



Ecoil

SELF PRIMING TRANSFER PUMPS

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT	CODE	PRICE
PGA 40-30 230v	3/4"	6.2	141 x 120 x 255	40/30	550	050-310	
PGA 40-30 415v	3/4"	6.2	141 x 120 x 255	40/30	550	050-315	
PGA 60-40 230v	1"	8	148 x 120 x 260	60/40	900	050-320	
PGA 60-40 415v	1"	8	148 x 120 x 260	60/40	900	050-325	
HE-60 230v	1"	8	250 x 200 x 300	60/20	370	050-358	
HE-100 230v	1"	15.4	250 x 200 x 300	100/25	750	050-360	

PGA self priming liquid ring series designed for diesel transfer. Cast iron pump body and motor bracket, brass impeller, stainless steel shaft and carbon ceramic seal. Maximum recommended suction height 3 metres with suction valve.

HE self priming rotary vane pump. By pass valve and stainless filter incorporated into the cast iron pump casing.



PGA



HE100

DELTA

C/W CARRYING HANDLE, SWITCH & LEAD

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	WATT	CODE	PRICE
DELTA 230v	3/4"	7	141 x 120 x 255	40/30	0.55	050-330	
DELTA 110v	3/4"	7	141 x 120 x 255	40/30	0.55	050-332	

Delta priming liquid ring series designed for diesel transfer. Complete with carrying handle, switch and 1.5m of cable. Cast iron pump body and motor bracket, brass impeller, stainless steel shaft and carbon ceramic seal. Maximum recommended suction height 3 metres with suction valve.



DELTA

FUEL OIL "RED"

HIGH VOLUME DIESEL FUEL OIL TRANSFER PUMP

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
RED EA2L 230v	1"	15	285 x 216 x 375	120/12	0.55	070-168	
RED EA2V 230v	2"	21	300 x 185 x 410	500/12	1.5	070-166	
RED EA2M 415v	1"	15	285 x 216 x 375	120/12	0.55	070-169	
RED EA1S 415v	2"	21	300 x 185 x 410	500/12	1.5	070-167	
RED EA7M 415v	3"	30	300 x 185 x 445	700/15	2.2	070-165	

Self priming electric pump with open impeller to transfer fuels. Suitable for pumping diesel, gas oil, paraffin. NOT FOR PUMPING PETROL. A non-return valve is fitted on the inlet of the pump body to avoid the loss of liquid after the pump has stopped, making it easier to prime when the pump starts again. Maximum suction depth of 6 metres and a maximum liquid temperature of 70°C. Pump casing, inlet flange and impeller are made from cast iron. Stainless steel shaft. Viton mechanical seal and Viton check valve.



Fuel Oil Red

DRUM PUMPS

MODEL	KG	LM/HM	WATT/AMPS	CODE	PRICE
FA-100 230v	20	50/7	100/1	050-225	
FA-100 110v	20	50/7	100/2	050-227	

FA diesel oil transfer kits include aluminium trigger gun, 2 metres rubber hose from pump to trigger, metal suction tube, suction filter, 2" bung connection, 5 metres of power cable. Comes pre-assembled.

All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.

DIESEL ENGINE DRIVEN DIESEL TRANSFER PUMPS AVAILABLE – SEE PAGE 47



FA-100

FUEL OIL PUMPS 230v

DIESEL DISPENSING KITS

MODEL	KG	L/M	WATT/AMPS	CODE	PRICE
HI-FI 60 230v	17.5	60	370/1.5	050-298	
Light Pump 60 230v	11	60	370/1.5	050-363	
Light Pump 100 230v	20	100	750/3.7	050-365	

HI-FI 60 self priming vane pump fitted in a panel which can be free standing or wall hung. Integral nozzle holder included. Complete with flow meter, trigger gun, 1" brass male hose tail for the discharge connection, 4 metres of hose to go between pump outlet and trigger gun.

No suction hose is supplied with this model.

Light pump 60 & 100 self priming vane pump. High flow diesel transfer pump complete with 1 metre of power cable, trigger gun and 4 metres of hose to go between pump outlet and gun. No suction hose is supplied with this model. See below for hose and accessories.



HI-FI 60



Light Pump 60/100

ECOIL ENGINE OIL REMOVAL PUMP & KIT SUCTION PUMP WITH OIL STORAGE VESSEL & FOUR ASSORTED PROBES TO SUIT DIPSTICK TUBES

MODEL	KG	H x W x L	WATT/AMPS	CODE	PRICE
ECOIL 230v	22	900 x 300 x 300	370/1.5	050-262	

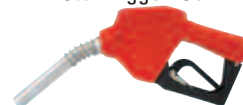
All models listed on this page are NOT for pumping petrol, chemicals, water and products with a low flash point.



ECOIL



Std Trigger Gun



Auto Trigger Gun



Fuel Oil Counter

ACCESSORIES

MODEL	HOSE	SIZE	CODE	PRICE
Std Trigger Gun 1" (Gravity Feed)	/	1"	050-300	
Auto Trigger Gun HSK-50 (Pumped)	/	1"	050-302	
Fuel Oil Counter	/	1"	050-355	
Fuel Oil Presscontrol 1" 230v only	/	1"	050-304	
Std Fuel Oil Suction Kit Inc Strainer 3/4"	2 metres	3/4"	050-352	
Std Fuel Oil Suction Kit Inc Strainer 1"	2 metres	1"	050-352B	
Std Fuel Oil Discharge Kit Hose & Gun 3/4"	3 metres	3/4"	050-350	
Std Fuel Oil Discharge Kit Hose & Gun 1"	3 metres	1"	050-350B	

FUEL OIL HOSE FUEL OIL SUCTION HOSE PVC BLUE

SIZE	KG P/METRE	CODE	PRICE P/METRE
3/4"	0.42	050-370	
1"	0.55	050-372	
1 1/4"	0.7	050-374	
1 1/2"	0.8	050-376	
2"	1.2	050-378	
3"	2	050-380	



HEAVY DUTY FUEL OIL/PETROLEUM SUCTION/DELIVERY HOSE CURRENTLY NOT AFFECTED BY DIESEL FUEL ADDITIVES 2007

SIZE	KG P/METRE	CODE	PRICE P/METRE
3/4"	0.48	050-382	
1"	0.66	050-384	
1 1/4"	0.89	050-386	
1 1/2"	1	050-388	
2"	1.6	050-390	
3"	2.7	050-392	



HAND PUMPS

HAND PUMPS

TRANSFER & DECANTING FOR VARIOUS USES

MODEL	KG	OPERATION	LENGTH OF TUBE (mm)	LITRES	CODE	PRICE
S-25	1	Hand Reciprocating	1pt Tube 500mm	0.2/stroke	050-200	
RP-94	6	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-210	
RP-96	2	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-212	
RP-98	3	Hand Rotating	3pt Tube 1000mm	0.3 per rev	050-214	
RP-88	6	Hand Rotating	1pt Tube 1000mm	0.9 per rev	050-204	

S-25 suitable for small oil containers. Made from zinc plated steel.

RP-94 – c/w 2" bung adapter. Cast iron body with stainless inlet/outlet tubing. Ideal for heavy oils, machine oils and non-corrosive liquids.

RP-96 – c/w 2" bung adapter. All polypropylene plastic, hand rotary pump. Suitable for pumping most chemicals. Teflon seal.

RP-98 – c/w 1½" and 2" bung adapter. Polypropylene pump body, Teflon seal, stainless steel tubes. Used for diesel oil, corrosive and volatile chemicals, edible liquids (juices, milk, wine, water).

RP-88 – c/w 2" bung adapter. Versatile drum pump offers a varied application for oil from low viscosity fluids such as diesel to heavy crude and machine oil. Not for waste oil containing debris or chemical pumping.



RP-94

RP-96

RP-98



RP-88

PATAY HAND PUMPS

MODEL	KG	DIAPHRAGM	OPERATION	LM/HM	CODE	PRICE
SD-60	1	Single Nitrile	Hand Reciprocating	60/4.5	050-216	
BE-45	2.6	Single Nitrile	Hand Reciprocating	45/4.5	050-217	
SD-60 C	1	Single Viton	Hand Reciprocating	60/4.5	050-219	
DD-120	6.4	Double Nitrile	Hand Reciprocating	120/6	050-218	



SD-60



DD-120

SEMI ROTARY HAND PUMPS

MODEL	KG	INLET/OUTLET	AVERAGE LITRES PER CYCLE	AVERAGE LITRES PER MIN	CODE	PRICE
Excara - K0	6	½"	0.174	24	050-000	
Excara - K1	7	¾"	0.34	35	050-002	
Excara - K2	9	1"	0.665	50	050-004	
Excara - K3	12	1¼"	0.85	70	050-006	
Excara - K4	13	1½"	1.41	90	050-008	
Excara - K5	16	2"	1.63	105	050-012	

Semi Rotary hand pump with stuffing packing type seal. Suitable for the transfer of clean water, petrol, diesel fuels, oils and alcohol. Pump casing in cast iron and internal parts in brass. Steel shaft and wooden handle.



BE-45



EXCAR

PRESSURE TEST PUMPS

MODEL	KG	H x W x L	LM/PRESSURE	TANK SIZE	CODE	PRICE
IDRO 70	10	540 x 150 x 650	0.6/70 BAR	16 LITRES	090-091	
IDRO 100	22	830 x 390 x 800	1.0/100 BAR	38 LITRES	090-093	
IDRO 1000★	50	800 x 500 x 950	0.7/1000 BAR	100 LITRES	090-094	
IDRO 70		2 Metre Hose Kit ½"			090-096	
IDRO 100		2 Metre Hose Kit ½"			—	
IDRO 1000		2 Metre Hose Kit ½"			—	

★ Available upon request



IDRO 70

SURFACE MOUNTED PUMPS

FLEXIBLE IMPELLER PUMPS

JABSCO & GMP

MODEL	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
FLEXA 230v	½"	9.5	185 x 180 x 265	25/20	0.37	014-166	
UTILITY 20 230v	¾"	7.1	160 x 160 x 260	20/9	0.18	014-153	
UTILITY 40 230v	1"	10.5	222 x 182 x 300	30/16	0.25	014-157	
UTILITY 80 230v	1½"	17	234 x 142 x 323	80/16	0.55	014-159	
UTILITY 40 110v	1"	10.5	222 x 182 x 300	30/16	0.25	014-167	
UTILITY 80 110v	1½"	17	234 x 142 x 323	80/16	0.55	014-156	

Flexa and Utility are flexible impeller pumps. Fast self priming from dry up to four metres. Many uses for clean, dirty, sea and sump water.



Flexa

STANDARD SPARES FOR UTILITY PUMPS

PART	CODE	PRICE	PART	CODE	PRICE
Utility 20 Impeller	014-168		Utility 20 Service Kit	014-174	
Utility 40 Impeller	014-163		Utility 40 Service Kit	014-176	
Utility 80 Impeller	014-165		Utility 80 Service Kit	014-178	
Flexa Impeller	9396				

Service kits for the utility pumps include impeller, mechanical seal and gasket/o ring.



Utility

MONO M RANGE

MODEL	INLET/ OUTLET	KG	H x W x L	LM	L/M @ 3.45 Bar	kW	CODE	PRICE
CMS 241 230v	½"	16	180 x 172 x 431	12.5	5.3	0.18	014-122	
CMS 261 110v	½"	16	180 x 172 x 431	12.5	5.3	0.18	014-124	
CMS 271 415v	½"	16	180 x 172 x 431	12.5	5.3	0.18	014-126	
CMM 253 230v	1"	27	180 x 150 x 521	26.5	15	0.37	014-128	
CMM 273 110v	1"	27	180 x 150 x 521	26.5	15	0.37	014-130	
CMM 263 415v	1"	27	180 x 150 x 521	26.5	15	0.37	014-132	
CML 253 230v	1"	27	180 x 150 x 555	52	26.5	0.75	014-134	
CML 243 110v	1"	27	180 x 150 x 555	52	26.5	0.75	014-136	
CML 263 415v	1"	27	180 x 150 x 507	52	26.5	0.55	014-138	



Mono CMS



Mono CML

STANDARD SPARES FOR MONO M RANGE

MODEL	STATOR	PRICE	ROTOR	PRICE	COUPLING	PRICE	SEAL	PRICE
CMS	19569		19571		N/A		M806525G	
CMM	19570		19572		00GG112652		19734	
CML	19570		19572		00GG112652		19734	

Standard spares also available for other progressive cavity pumps including: Seepex, Netzsch, PCM and Orbit.

SURFACE MOUNTED PUMPS

VOLUMETRIC SELF PRIMING ELECTRIC DRIVE GEAR PUMPS WITH BUILT IN BYPASS VALVE

MODEL	PORT	KG	H x W x L	LM/HM	kW	CODE	PRICE
SINGLE PHASE							
GEAR 300GM-GE03	1/2"	11	210 x 170 x 390	5/100	0.26	050-462	
GEAR 600GM-GE09	3/4"	14	210 x 170 x 410	10/100	0.37	050-466	
GEAR 1000GM-GE15	3/4"	15	210 x 170 x 450	16/100	0.55	050-470	
GEAR 1500GM-GE21	3/4"	18	210 x 170 x 460	25/100	0.75	050-474	
GEAR 2000GM-GE27	1"	22	210 x 170 x 465	33/100	1.1	050-478	
GEAR 3000GM-GE33	1"	24	210 x 170 x 525	50/100	1.5	050-482	
GEAR 3600GM-GE39	1 1/4"	28	210 x 170 x 525	60/100	1.8	050-486	
THREE PHASE							
GEAR 300GT-GE04	1/2"	11	210 x 170 x 390	5/100	0.26	050-464	
GEAR 600GT-GE10	3/4"	14	210 x 170 x 410	10/100	0.37	050-468	
GEAR 1000GT-GE16	3/4"	15	210 x 170 x 450	16/100	0.55	050-472	
GEAR 1500GT-GE22	3/4"	18	210 x 170 x 460	25/100	0.75	050-476	
GEAR 2000GT-GE28	1"	22	210 x 170 x 465	33/100	1.1	050-480	
GEAR 3000GT-GE34	1"	24	210 x 170 x 525	50/100	1.5	050-484	
GEAR 3600GT-GE40	1 1/4"	28	210 x 170 x 525	60/100	1.8	050-488	

Volumetric self priming gear pumps with built in bypass valve. Performances will vary depending on media being pumped. Declared performances have been obtained pumping liquids with a viscosity of 8° Engler.

Maximum viscosity for the gear pumps is up to 10° Engler. For higher viscosities of more than 10° Engler 6 pole motors are available as special orders.

Maximum self priming depth 3 metres and a maximum liquid temperature of 140°C.

Viton mechanical seal. Bypass is adjustable between 0-10 bar.

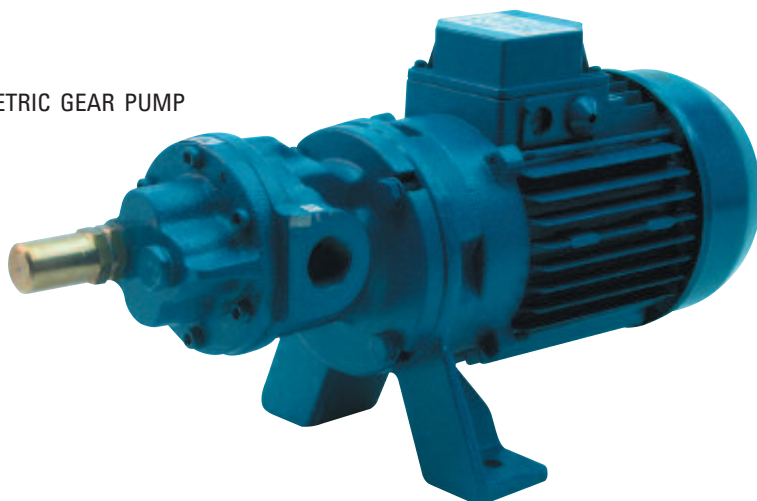
Casing made from cast iron, gears made from C40 steel. 1440 rpm motor.

Suitable for pumping viscous liquids without suspended particles – hydraulic oil, vegetable oil, diesel fuel oil, varnishes and foodstuffs are examples.

Not suitable for liquids that have water within them.

Gear pumps are available in bronze. Bronze pump casing, gears made from AISI 316 stainless steel. For special orders they can be made in all AISI 316 stainless steel upon request.

VOLUMETRIC GEAR PUMP



SELF PRIMING LOW VOLTAGE GEAR PUMPS WITH BUILT IN BYPASS VALVE

MODEL	PORTS	KG	H x W x L	LM/HM	kW/AMPS	CODE	PRICE
GM 2524 24 VOLT	1" in / 3/4" out	9.4	210 x 140 x 300	20/30	0.2/9	050-250	



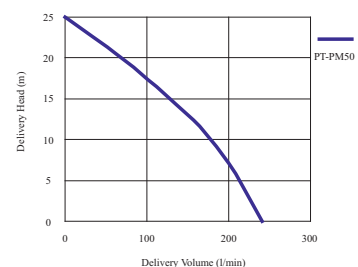
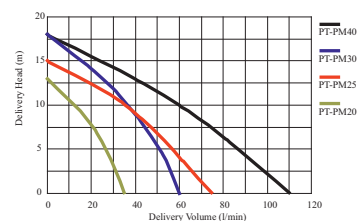
GM 2524

SURFACE MOUNTED PUMPS

SELF PRIMING BRASS REVERSING PUMPS

MODEL	VOLT	INLET/ OUTLET	KG	H x W x L	LM/HM	kW	CODE	PRICE
PM-20	230v	3/4"	9	160 x 210 x 280	35/16	0.25	070-040	
PM-25	230v	1"	10.2	160 x 210 x 300	60/18	0.37	070-042	
PM-25	110v	1"	10.2	160 x 210 x 300	60/18	0.37	070-043	
PM-25-F	110v	1"	13.2	265 x 300 x 365	60/18	0.37	070-043-F	
PM-30	230v	1 1/4"	13.2	180 x 230 x 330	70/18	0.75	070-044	
PM-40	230v	1 1/2"	18.8	180 x 230 x 360	100/18	1.1	070-046	
PM-50	230v	2"	27.6	230 x 240 x 420	200/25	1.5	070-048	
PT-25	415v	1"	10.2	160 x 210 x 300	60/18	0.37	070-060	
PT-30	415v	1 1/4"	13.2	180 x 230 x 330	70/18	0.75	070-062	
PT-40	415v	1 1/2"	18.8	180 x 230 x 360	100/18	1.1	070-064	
PT-50	415v	2"	27.6	230 x 240 x 420	200/25	1.5	070-066	

PM/PT brass self priming pumps. Reversible so the suction/delivery can be swapped by means of a reversing switch. Pump body, impeller, cover and nipples made of brass. Stainless steel shaft. Seven metres max suction depth. Clean liquids only with no solids or abrasives. Can be used for pumping juice, vinegar and diesel oil. Bare shaft models 'P' and bare shaft with clutch models 'PF' are available upon request. Inlet/outlets are food grade threads not BSP.



PM



PM-25-F 110v shown in carry frame



Reversing Switch

Hoses & Trigger Guns available on page 117.

SURFACE MOUNTED PUMPS

ELECTRIC DIAPHRAGM PUMP MULTI PURPOSE

MODEL	KG	H x W x L	LM/HM	kW	CODE	PRICE
PVM 12v	25	370 x 250 x 480	70/5	0.37	050-276	
PVM 24v	25	370 x 250 x 480	70/5	0.37	050-278	
PVM 230v	25	370 x 250 x 480	70/5	0.37	050-270	
PVM 110v	25	370 x 250 x 480	70/5	0.37	050-272	
PVM 415v	25	370 x 250 x 480	70/5	0.37	050-274	

STANDARD SPARES FOR ELECTRIC DIAPHRAGM PUMPS

PART	CODE	PRICE	PART	CODE	PRICE
Main Diaphragm	PVM 0.5-10		Inlet Fitting	PVM 0.5-3	
Upper Diaphragm	PVM 0.5-11		Outlet Fitting	PVM 0.5-7	
Inlet/Outlet Valve	PVM 0.5-4		Inlet/Outlet Clamp	PVM 0.5-8	

PVM electric diaphragm pumps have special advantages of pumping liquids containing particles of solid matter in suspension including sand, mud, stones, saw dust, seeds, sludge, hairs and cotton are just a few examples. Can run dry and prime from dry. As this pump is of the volumetric type, the outlet pipe must not be reduced in size, in addition taps, valves that regulate the flow must not be used on the delivery or suction hose. Supplied as standard with nitrile rubber diaphragm and check valves, upon request they can be supplied as viton. 1½" hose inlet/1½" hose outlet.

Must be used with overload protection set up correctly



WATER FILTERS

MODEL 5"

MODEL	MATERIAL	MICRON	WASHABLE	APPLICATION	CODE	PRICE
FT-5	PLASTIC			HOLDER 5"	015-012	
IX	STAINLESS STEEL	80	YES	HEAVY DUTY	015-022	
CA	CARBON	60	NO	ODOUR & CHEMICALS	015-027	
FA	POLYPROPYLENE	20	NO	GENERAL DIRT	015-037	
KZ	QUARTZ	30	YES	MEDIUM DUTY	015-047	
NY	NYLON	60	YES	FINE PARTICLES	015-042	



FT - HOLDER



FA - POLY



NY - NYLON

1" Inlet 1" Outlet. Max 105 L/M, Min 60 L/M, Min +5°C Max +50°C Max 8 Bar

MODEL 10"

MODEL	MATERIAL	MICRON	WASHABLE	APPLICATION	CODE	PRICE
FT-10	PLASTIC			HOLDER 10"	015-010	
PL	PHOSPHATE	NONE	NO	DEMINERALISES	015-015	
CA	CARBON	60	NO	ODOUR & CHEMICALS	015-025	
FA	POLYPROPYLENE	20	NO	GENERAL DIRT	015-035	
NY	NYLON	60	YES	FINE PARTICLES	015-040	
KZ	QUARTZ	30	YES	MEDIUM DUTY	015-045	



IX - STAINLESS
(5" ONLY)



KZ - QUARTZ



CA - CARBON



PL - PHOSPHATE

LOW VOLTAGE PUMPS

SUBMERSIBLE LOW VOLTAGE PUMP 24v 1" OUTLET C/W 4 METRES OF POWER CABLE

MODEL	KG	H x W x L	LM/HM	AMPS	CODE	PRICE
PONDY SK2524	5.5	318 x 318 x 360	80/6	9.8	010-032	

Low voltage submersible pump. Suitable for clean and dirty water drainage applications.
NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.
All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



PONDY

LOW VOLTAGE PUMPS 12v & 24v SURFACE MOUNTED PUMPS

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
PM25 12v	9	1"	140 x 175 x 320	35/10	32	070-082	
PM25 24v	9	1"	140 x 175 x 320	35/10	20	070-080	
EUROSTAR 12v	8	1"	210 x 200 x 380	38/25	43	022-340	
EUROSTAR 24v	8	1"	210 x 200 x 380	38/25	29	022-342	

PM and Eurostar are mainly used for clean water boosting.
Eurostar is available as an automatic booster set using pressure vessel and pressure switch or by using the Mascontrol low voltage presscontrol unit – see page 125.
A solenoid must be used in all cases due to the high current.
NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.
All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



EUROSTAR



PM

LOW VOLTAGE PUMPS

LOW VOLTAGE PUMPS 12v & 24v SURFACE MOUNTED BOOSTER SETS

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
MEGA 12v	11.6	1"	370 x 220 x 420	38/25	43	022-348	
MEGA 24v	11.6	1"	370 x 220 x 420	38/27	29	022-346	

Mega pre built booster sets using the Eurostar model of pump.

Two litre expansion vessel, pressure switch and gauge.

Complete with solenoid to reduce the load on the pressure switch to give longer life.

NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.

All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



MASCONTROL LOW VOLTAGE PRESSCONTROL

MODEL	KG	SIZE	H x W x L	MAX KW/AMP	CODE	PRICE
MASCONTROL 12v	1.4	1"	165 x 210 x 250	0.14/12	060-432	
MASCONTROL 24v	1.4	1"	165 x 210 x 250	0.37/22	060-434	

Mascontrol can be used with the Eurostar surface mounted pump opposite, apart from the PM range.

Available in 12v and 24v, the Mascontrol will turn on the power to run the pump the moment that the outlet is opened. The Mascontrol will turn off when the outlet is shut and in the case of no water supply to protect the pump from dry running.

A solenoid must be installed if the pump being used has a high wattage/current rating.



SUBMERSIBLE LOW VOLTAGE BILGE PUMPS C/W 1 METRE OF POWER CABLE

MODEL	KG	OUTLET	H x W x L	LM/HM	AMPS	CODE	PRICE
0231 12v	0.5	3/4"	120 x 80 x 105	30/5	3	020-955	
03302 12v	0.5	3/4"	135 x 90 x 115	45/5	4	020-960	
03602 12v	1.4	1"	165 x 120 x 145	88/5	7	020-965	
03603 12v	1.5	1"	165 x 120 x 145	130/4.5	10	020-970	
06601 12v	3	1 1/4"	195 x 135 x 170	170/5	13	020-975	
0231 24v	0.5	3/4"	120 x 80 x 105	30/5	1.8	020-957	
03302 24v	0.5	3/4"	135 x 90 x 115	45/5	2	020-962	
03603 24v	1.5	1"	165 x 120 x 145	130/4.5	5	020-972	
06601 24v	3	1 1/4"	195 x 135 x 170	170/5	6	020-977	

Bilge pumps. Suitable for clean, dirty, boat bilge water drainage applications.

NOT CONTINUOUSLY RATED. FOR INTERMITTENT USE ONLY.

All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



LOW VOLTAGE PUMPS

TMC CARAVAN PUMP

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-04301 12v	0.17	7.5/5	2	020-930	
TMC-04301 24v	0.17	7.5/5	1	020-932	

Tmc caravan pump - compact design with a wide variety of uses including emptying and filling, transfer of clean and nuisance water containing no solid matter.



TMC FLEXIBLE IMPELLER PUMP

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-06203 12v	2.8	20/4	7.4	020-938	
TMC-06203 24v	2.8	20/4	3.3	020-940	
TMC-06211 Replacement Impeller for above				020-950	

Tmc flexible impeller pump designed to transfer clean and dirty water with the advantage of being self priming from 0.5 metres vertically from dry. 1" hose inlet / 1" hose outlet. 10amp fused. Do not run dry.



TMC MACCERATOR PUMP C/W FLEXIBLE IMPELLER

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-06205 12v	2.8	20/4	12	020-942	
TMC-06205 24v	2.8	20/4	6	020-944	
TMC-06211 Replacement Impeller for above				020-950	

Tmc flexible impeller pump with a macerator before the impeller. Used to transfer clean and dirty water containing domestic sewage and soft toilet paper. Can prime 0.5 metres vertically from dry. Not designed for macerating sanitary towels, nappies, towels etc. 1½" hose inlet / 1" hose outlet. 25amp fused. Do not run dry.



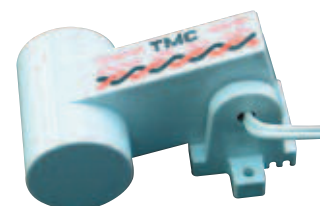
TMC LOW LEVEL FLOAT SWITCH

MODEL	KG	LM/HM	AMPS	CODE	PRICE
TMC-08121	0.18	/	15A MAX	020-948	

Tmc float switch to adapt to low voltage 12v or 24v bilge pumps for automatic on and off operation. Complete with 1 metre of lead.

Switches on at approx 40mm and off at 5mm water levels.

All models listed are not for pumping chemicals, oils, petrol etc. Not continuously rated, for intermittent use only. Light duty use. All the low voltage motors have brushes and a duty cycle of approximately twenty minutes in every hour.



PRESSURE BOOSTING SYSTEMS

PRESSCONTROL & CONTROLPRESS

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
PRESSCONTROL 230v	1.4	1"	165 x 170 x 230	1.5/8	060-430	
PRESSCONTROL 110v	1.4	1"	165 x 170 x 230	0.75/8	060-429	
CONTROLPRESS 230v	2.6	1 1/4"	175 x 210 x 300	2.2/16	060-438	

Presscontrol and Controlpress are electronic pressure switch and protection devices. They can be fitted to almost any pump with an outlet pressure of two bar minimum to ten bar maximum with a flow rate of between 40-200 litres per min. The Presscontrol and Controlpress will turn off in the case of no water to protect the pump from dry running. Suitable for most water systems from well, tank or low pressure mains. Two versions allow small and larger motors to be installed. Controlpress is also pressure adjustable.



Presscontrol



Controlpress

FUEL OIL PRESSCONTROL

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
FUEL OIL PRESSCONTROL 230v	1.4	1"	165 x 170 x 230	1.5/8	050-304	

Fuel oil Presscontrol has the same characteristics as above and is suitable for controlling pumps that are used for diesel fuel oil.



Fuel Oil Presscontrol

MASCONTROL LOW VOLTAGE

MODEL	KG	SIZE	H x W x L	MAX kW/AMP	CODE	PRICE
MASCONTROL 12v	1.4	1"	165 x 210 x 250	0.14/12	060-432	
MASCONTROL 24v	1.4	1"	165 x 210 x 250	0.37/22	060-434	

Mascontrol has the same features as the Presscontrol and Mascontrol but is used to control low voltage twelve and twenty four volt pumps. In the case of the Mascontrol not being big enough in Kw/Amps a solenoid must be used to reduce the current.



Mascontrol



SURFACE MOUNTED PUMPS

TRADITIONAL VERTICAL SUMP PUMPS

DRY MOTOR – FOR CLEAN WATER – 1¼" OUTLET

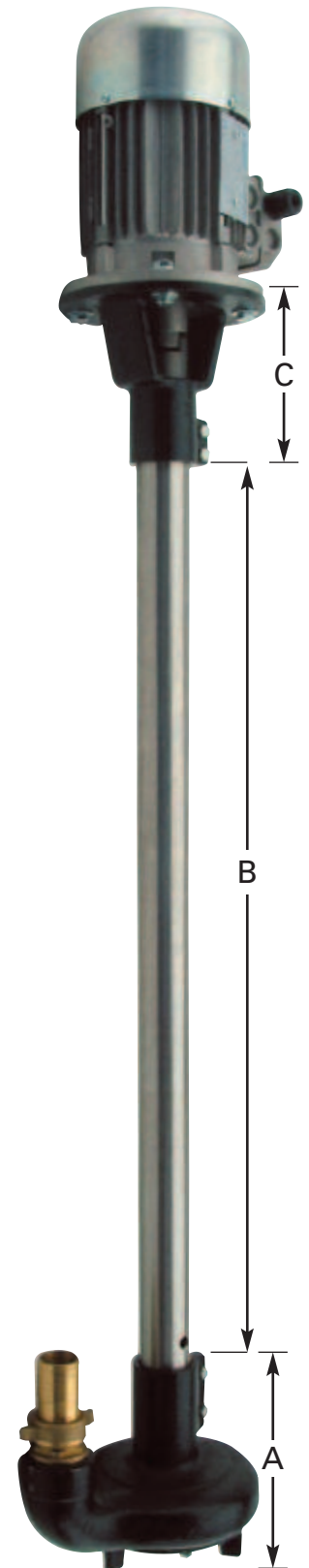
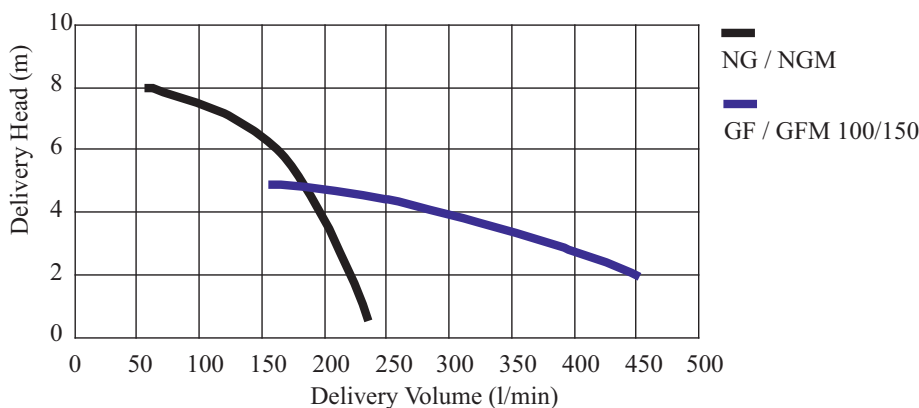
MODEL	VOLTAGE	KG	A x B x C	LM/HM	kW	CODE	PRICE
NGM-80	230v	10.2	A-165 B-800 C-130	240/8	0.55	075-050	
NGM-100	230v	11.4	A-165 B-1000 C-130	240/8	0.55	075-052	
NGM-120	230v	12.2	A-165 B-1200 C-130	240/8	0.55	075-054	
NG-80	415v	10.2	A-165 B-800 C-130	240/8	0.55	075-056	
NG-100	415v	11.4	A-165 B-1000 C-130	240/8	0.55	075-058	
NG-120	415v	12.2	A-165 B-1200 C-130	240/8	0.55	075-060	

TRADITIONAL VERTICAL SUMP PUMPS

DRY MOTOR – DIRTY WATER – 2" OUTLET

MODEL	VOLTAGE	KG	A x B x C	LM/HM	kW	CODE	PRICE
GFM-100	230v	21	A-165 B-1000 C-160	500/5	1.1	011-780	
GFM-150	230v	23	A-165 B-1500 C-160	500/5	1.1	011-782	
GF-100	415v	21	A-165 B-1000 C-160	500/5	1.1	011-788	
GF-150	415v	23	A-165 B-1500 C-160	500/5	1.1	011-790	

NG and NGM vertical motor driven stem pumps for pumping liquid that is not particularly dense such as cellar and waste water with no abrasives. GF and GFM vertical, motor driven stem pumps for pumping dirty water with no abrasives. Motor support, pump body, volute and impeller are made from cast iron. Stainless steel shaft, with brass shaft guide bushes. Maximum liquid temperature 90°C. 15mm maximum solids handling. During operation the pump must be submerged up to the first hole on the stem to allow the shaft guide bush to be lubricated by the pumped liquid.



SURFACE MOUNTED PUMPS

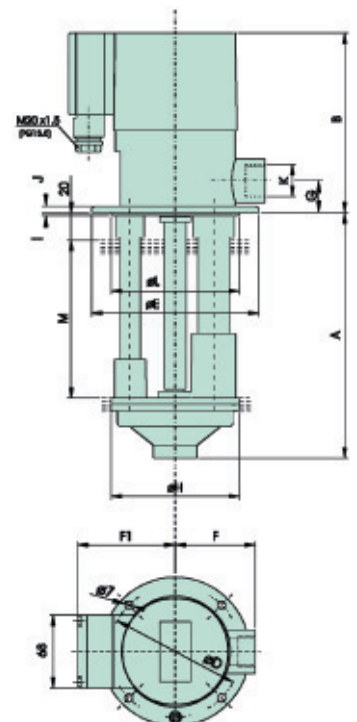
MACHINE TOOL COOLANT (SUDS) PUMPS

MODEL	KG	VOLTAGE	LM/HM	WATT	CODE	PRICE
NT-120	4	415	24/4	90	075-010	
NT-170	4	415	24/4	90	075-012	
NT-220	4	415	24/4	90	075-014	
NT-270	4	415	24/4	90	075-016	
NU-120	4.2	415	40/4	120	075-020	
NU-170	4.2	415	40/4	120	075-022	
NU-220	4.2	415	40/4	120	075-024	
NU-270	4.2	415	40/4	120	075-027	
NV-120	4.2	415	63/4	155	075-028	
NV-170	5	415	63/4	155	075-030	
NV-220	5	415	63/4	155	075-032	
NV-270	5	415	63/4	155	075-034	
NZ-270	9	415	100/4	360	075-036	
NZ-350	9	415	100/4	360	075-038	

Machine tool suds pumps designed for the pumping of cooling liquids, cutting compounds and cutting oil. Flanged designed for vertical assembly directly on top of the coolant vessels. Minimum and maximum temperatures are 0-60°C. Not for pumping abrasives, so the liquid being pumped has to be filtered to stop impurities entering the pump chamber.



TYPE	A	B	D	E	F	F1	G	H	I	J	K	L	M
NT-120	120												80
NT-170	170												130
NT-220	220	150	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	180
NT-270	270												230
NU-120	120												80
NU-170	170												130
NU-220	220	156	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	180
NU-270	270												230
NV-120	120												80
NV-170	170												130
NV-220	220	171	115	130	70	90	25	99.5	2.5	5	G 3/4"	100	180
NV-270	270												230
NZ-270	270	231	160	180	100	100	32	130	4	8	G 3/4"	140	210
NZ-350	350												290



GUIDE FOR CHOOSING THE CORRECT GENERATOR FOR YOUR NEEDS

1. First of all decide whether you want to run a petrol, diesel or LPG gas converted petrol generator.
2. Determine the power (Kw) required to run all of your equipment at any one time. All electrical products will have a data label with the power usage.

See notes below if there are appliances with electric motors or sensitive power equipment eg computers.

3. Calculate the total amount of power required.
4. Choose a generator that either meets this total – or exceeds it, to allow for extra scope.

Notes

ELECTRIC MOTORS

Items with electrical motors for example washing machines, water pumps, fridges, freezers require a greater starting up wattage.

A normal guideline rule for example is a water pump of 750watts with a capacitor start circuit will require three times of power on start up. So 750watts x 3 times = 2250 watts, a generator of minimum 2.3 kw power is then required.

Most hand held power tools using universal commutator motors do not require additional starting up power

SENSITIVE EQUIPMENT

It is not advisable to run for example, computers from a standard generator. A generator that has AVR – Automatic Voltage Regulation, like the Loncin LC series on page 133, have a more stable electricity output, but, it is still advisable to use an anti surge device as recommended by computer manufacturers.

If you have any other questions, or need help and advice, please call our sales team who will be glad to help.

POWER GUIDE

APPLIANCE	WATTS	APPLIANCE	WATTS
Light bulb	100	Lawnmower	1000
Palm Sander	175	5" Circular Saw	1000
Strimmer 10"	350	Router	1000
Radio / HiFi	200	Belt Sander	1020
Colour TV	250	Vacuum Cleaner	1100
Flood Lamp	500	Coffee Maker	1200
13mm Drill	450	Cement Mixer	1320
Water Pump 750w	2250	Chain Saw 10–16"	1500
Jig Saw	400	600W Microwave	1500
Bench Grinder	400	Arc Welder 130A	3500
Computer	400	Hot Air gun	1500
Orbital Sander	450	Hairdryer	1000
Hedge Trimmer	500	Compressor	2200
Planer	700	12" Grinder	250
4" Angle grinder	550	Hammer Drill	2500
1/3 HP Sprayer	600	Kettle	2500
5" Angle Grinder	750	Fan Heater	3000
Fridge	700	Hammer / Breaker	3000

LONCIN EN SERIES PETROL ENGINE GENERATORS

- Hire Performance Industrial Generators
- High quality Loncin petrol engines c/w low oil level shutdown
- World class Mecc-Alte brushless alternators
- Top mounted dual voltage control box with voltage selector and circuit breaker protection
- Heavy duty 32mm powder coated tubular frame c/w anti vibration mounts



LONCIN EN3500 Generator



LONCIN EN2500 Generator



EW200 ES Welder Generator

Need help in choosing which size generator is best suited for your needs? See page 130 for a guide.

MODEL	ALTERNATOR MECC-ALTE	KVA	KW	OUTLETS	12V DC CIRCUIT	CODE	PRICE
EN2500	S15W102A	2.5	2.5	1 x 110v 16A IND 1 x 230v 16A IND	NO	EN2500	
EN3500-G200	S16W90A	2.8	2.8	1 x 110v 16A IND 1 x 230v 16A IND	NO	EN3500-G200	
EN4100	S16W105A	4.1	4.1	2 x 110v 16A IND 2 x 230v 16A IND	NO	EN4100	
EN6500	S16F150	6.5	6.5	1 x 110v 16A IND 1 x 230v 16A IND 1 x 110v 32A IND 1 x 230v 32A IND	NO	EN6500	
UNIVERSAL WHEEL KIT						090-886	
LPG GAS CONVERSION						—	

MODEL	ALTERNATOR WELDER	KVA	KW	OUTLETS	12V DC CIRCUIT	CODE	PRICE
EW200	Mecc-Alte HM1 200 Amp	3.0	3.0	2 x 110v 16A IND 2 x 230v 16A IND	NO	EW200	
EW200 ES	Mecc-Alte HM1 200 Amp	3.0	3.0	2 x 110v 16A IND 2 x 230v 16A IND	NO	EW200 ES	

MODEL	ENGINE	HP	ELECTRIC OR/AND RECOIL START	OIL ALERT	NOISE LEVEL (LWA) AT 7 METRES	WEIGHT KG	DIMENSIONS H x W x L(mm)
EN2500	G200	6.5	RECOIL	YES	96	42	460 x 480 x 640
EN3500-G200	G200	6.5	RECOIL	YES	96	44	440 x 410 x 640
EN4100	G270	9.0	RECOIL	YES	98	59	560 x 530 x 720
EN6500*	G390	13.0	RECOIL	YES	99	69	560 x 520 x 700
EW200*	G390	13.0	RECOIL	YES	99	75	820 x 500 x 1300
EW200 ES*	G390	13.0	BOTH	YES	99	75	820 x 500 x 1300

* For export use only. Does not conform to current UK noise legislation

CHANGFA DIESEL ENGINE GENERATORS



CED6500XE



CED4000XE

Need help in choosing which size generator is best suited for your needs? See page 130 for a guide.

MODEL	ALTERNATOR	KVA	KW	OUTLETS	12V DC CIRCUIT	CODE	PRICE
CED2500 XE	Changfa Dual Voltage	2.5	2.0	1 x 110v 32A IND 1 x 230v 16A IND	YES	CED2500XE	
CED4000 XE	Changfa Dual Voltage	4.0	3.0	1 x 110v 32A IND 1 x 230v 16A IND	YES	CED4000XE	
CED6500 XE	Changfa Dual Voltage	6.0	4.0	1 x 110v 32A IND 1 x 230v 16A IND	YES	CED6500XE	
UNIVERSAL WHEEL KIT						090-886	

MODEL	ENGINE	HP	ELECTRIC OR/AND RECOIL START	OIL ALERT	NOISE LEVEL (DBA) AT 7 METRES	WEIGHT KG	DIMENSIONS H x W x L(mm)
CED2500 XE	CF170F	5.0	BOTH	YES	79	58	518 x 455 x 610
CED4000 XE	CF178F	7.0	BOTH	YES	79	74	535 x 455 x 680
CED6500 XE	CF186F	10.0	BOTH	YES	79	95	580 x 455 x 730

GENERATORS

LONCIN LC SERIES PETROL ENGINE GENERATORS

C/W AVR – AUTOMATIC VOLTAGE REGULATOR



LONCIN LC1600 DC Generator



LONCIN LC2500 DC Generator



LONCIN LC6500 DDC Generator
shown with wheel kit



Need help in choosing which size generator is best suited for your needs? See page 130 for a guide.

MODEL	ALTERNATOR	KVA	KW	OUTLETS	12V DC CIRCUIT	CODE	PRICE
LC1600 DC*	Loncin Dual Voltage	1.0	1.0	1 x 13A DOM	YES	LC1600	
LC2500 DC	Loncin Dual Voltage	2.2	2.2	1 x 110v 16A IND 1 x 13A DOM	YES	LC2500DC	
LC3800 DC	Loncin Dual Voltage	3.1	3.1	2 x 110v 16A IND 1 x 230v 32A IND	YES	LC3800DC	
LC5000 DDC	Loncin Dual Voltage	4.5	4.5	2 x 110v 16A IND 1 x 230v 32A IND	YES	LC5000DDC	
LC6500 DDC	Loncin Dual Voltage	5.5	5.5	2 x 110v 16A IND 1 x 230v 32A IND	YES	LC6500DDC	
LC8000 DDC*	Loncin Dual Voltage	7.2	7.2	2 x 110v 16A IND 1 x 230v 32A IND	YES	LC8000DDC	
UNIVERSAL WHEEL KIT						090-886	
LPG GAS CONVERSION						xxx-xxx	

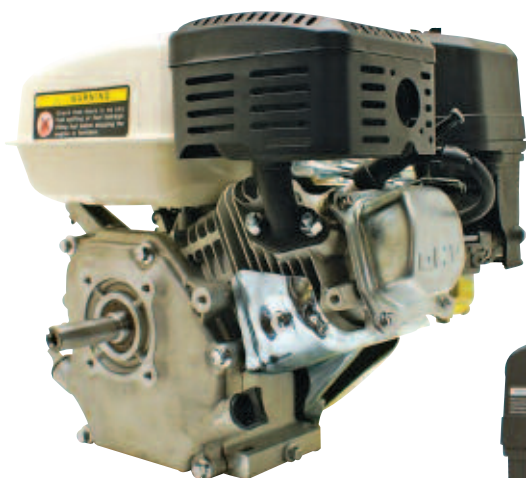
MODEL	ENGINE	HP	ELECTRIC OR/AND RECOIL START	OIL ALERT	NOISE LEVEL (DBA) AT 7 METRES	WEIGHT KG	DIMENSIONS H x W x L(mm)
LC1600*	LC154F	3.0	RECOIL	NO	68	36	405 x 370 x 475
LC2500 DC	LC168F-2	6.5	RECOIL	YES	68	50	460 x 475 x 590
LC3800 DC	LC173F-2	8.0	RECOIL	YES	72	72	550 x 540 x 680
LC5000 DDC	LC182FD-2	11.0	BOTH	YES	74	86	550 x 540 x 855
LC6500 DDC	LC188FD-2	13.0	BOTH	YES	76	90	550 x 540 x 855
LC8000 DDC*	LC190F	15.0	BOTH	YES	76	94	550 x 540 x 680

*Available approx June '08

Larger Units and Diesel Generators available on request.

GENERAL PURPOSE REPLACEMENT ENGINES

LONGCIN PETROL



G160



Parallel key way



Generator shaft



Model No.	G152	G120	G160	G200
Engine Type	Single Cylinder 4-stroke HV Forced Air Cooling			
Max Torque (N • m/rpm)	5.7 / 3600	7.5	10.5 / 3000	13.0 / 3000
Bore × Stroke	52 × 56	60 × 42	68 × 45	68 × 54
Displacement	98	118	163	196
Compression Ratio	8.5:1	8.5:1	8.5:1	8.5:1
Oil Capacity (Litres)	0.45	0.6	0.6	0.6
Noise Level (dBA) ≤ 7 Metres	80	70	70	70
Lubrication System	Splash	Splash	Splash	Splash
Oil Alert	No	Yes	Yes	Yes
PTO° Shaft Rotation	Anti clockwise (from PTO side)			
Ignition System	Transistorised magneto			
Air Cleaner	Semi dry, oil bath, dual element type			
Fuel Consumption (g/kW Hour)	≤ 435	≤ 395	≤ 395	≤ 395
Idle Speed (r/min)	1400 ± 150			
Speed Fluctuating Ratio	≤ 10%			
Dimension	275 × 270 × 345	305 × 341 × 318	312 × 362 × 335	312 × 376 × 335
Dry Weight Kg (Packing)		13 (16)	15 (18)	16 (19)

Model / Version	Code	Price	Code	Price	Code	Price	Code	Price
Q Shaft Recoil Start	G152FQ*		G120FQ		G160FQ		G200FQ	
Q Shaft Electric Start					G160FQES		G200FQES	
Generator Taper Shaft Recoil Start					G160FG		G200FG	
Generator Taper Shaft Electric Start					G160FGES		G200FGES	

*export use only

GENERAL PURPOSE REPLACEMENT ENGINES

LONGIN PETROL

Generator shaft



Parallel key way



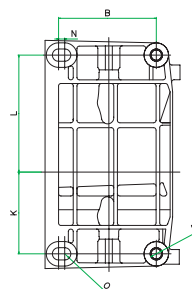
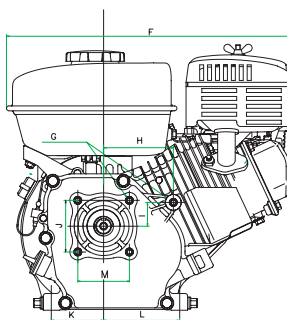
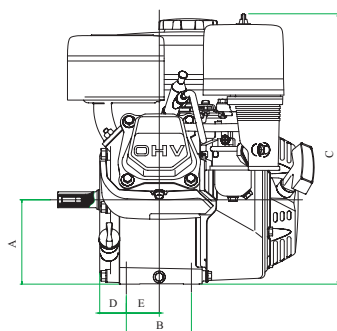
G240



Model No.	G240	G270	G340	G390	G420
Engine Type	Single Cylinder 4-stroke HV Forced Air Cooling				
Max Torque (N • m/rpm)	16.5 / 3000	19.0 / 3000	23.5 / 3000	26.5 / 3000	9.8 / 4000
Bore × Stroke	73 × 58	77 × 58	82 × 64	88 × 64	90 × 66
Displacement	242	270	337	389	420
Compression Ratio	8.2:1	8.2:1	8.1:1	8.1:1	8.3:1
Oil Capacity (Litres)	1.1	1.1	1.1	1.1	1.1
Noise Level (dBA) ≤ 7 Metres	80	80	80	80	80
Lubrication System	Splash	Splash	Splash	Splash	Splash
Oil Alert	Yes	Yes	Yes	Yes	Yes
PTO° Shaft Rotation	Anti clockwise (from PTO side)				
Ignition System	Transistorised magneto				
Air Cleaner	Semi dry, oil bath, dual element type				
Fuel Consumption (g/kW Hour)	≤ 395				
Idle Speed (r/min)	1400 ± 150				
Speed Fluctuating Ratio	≤ 10%				
Dimension	380 × 430 × 410	380 × 430 × 410	405 × 540 × 443	405 × 450 × 443	405 × 452 × 443
Dry Weight Kg (Packing)	25 (28)	26 (29)	31 (34)	31 (34)	32 (35)

Model / Version	Code	Price	Code	Price	Code	Price	Code	Price	Code	Price
Parallel Shaft Recoil Start	G240FQ		G270FQ		G340FQ		G390FQ		G420FQ	
Parallel Shaft Electric Start	G240FQES		G270FQES		G340FQES		G390FQES		G420FQES	
Generator Taper Shaft Recoil Start	G240FG		G270FG		G340FG		G390FG		G420FG	
Generator Taper Shaft Electric Start	G240FGES		G270FGES		G340FGES		G390FGES		G420FGES	

GENERAL PURPOSE ENGINE DIMENSIONS



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
G152	11	79	345	35.8	28.0	270	M8 × 13mm deep	-	-	-	-	-	-	ø9	ø9	-
G120	106	80	330	35.7	39.5	340	M8 × 13mm deep	-	-	-	-	-	-	-	-	-
G160	106	80	341	35.7	39.5	362	M8 × 15mm deep	88	30	65.1	66	96	65.1	5	10 × 14	ø9
G200	106	80	341	35.7	39.5	362	M8 × 15mm deep	88	30	65.1	66	96	65.1	5	10 × 14	ø9
G240	135.5	103	423	57.5	34.5	430	M8 × 18mm deep	103	35	89.8	90	106	89.9	17	12 × 23	ø12
G270	135.5	103	423	57.5	34.5	430	M8 × 18mm deep	103	35	89.8	90	106	89.9	17	12 × 23	ø12
G340	135.5	103	443	73.0	27.0	456	M8 × 18mm deep	103	35	89.8	90	106	89.9	17	12 × 23	ø12
G390	135.5	103	443	73.0	27.0	456	M8 × 18mm deep	103	35	89.8	90	106	89.9	17	12 × 23	ø12
G420	135.5	103	443	73.0	27.0	456	M8 × 18mm deep	103	35	89.8	90	106	89.9	17	12 × 23	ø12

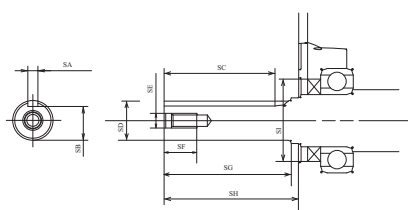
PARALLEL KEY WAY

Model No.	SA	SB	SC	SD	SE	SF	SG	SH	SI
G152	4.78	13.06	58.5	15.80 (3/4")	1/4-28 UNF	22	58.5	59.8	41.25
G120	4.78	13.06	58.5	15.80 (3/4")	1/4-28 UNF	22	58.5	59.8	41.25
G160	4.78	16.36	45.5	19.05 (3/4")	5/16-24 UNF	17	58.5	61.7	41.25
G200	4.78	16.36	45.5	19.05 (3/4")	5/16-24 UNF	17	58.5	61.7	41.25
G240	6.30	21.82	56.0	25.40 (1")	7/16-20 UNF	28	72.2	88.5	N/A
G270	6.30	21.82	56.0	25.40 (1")	7/16-20 UNF	28	72.2	88.5	N/A
G340	6.30	21.82	56.0	25.40 (1")	3/8-24 UNF	28	72.2	88.5	N/A
G390	6.30	21.82	56.0	25.40 (1")	3/8-24 UNF	28	72.2	88.5	N/A
G420	6.30	21.82	56.0	25.40 (1")	3/8-24 UNF	28	72.2	88.5	N/A

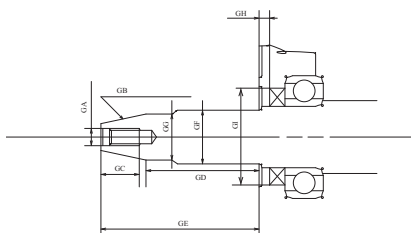
GENERATOR SHAFT

Model No.	GA	GB	GC	GD	GE	GF	GG	GH	GI
G160	M8 × 1	TAP 1:5	23	39.1	55.6	20	19.2	5.5	41.25
G200	M8 × 1	TAP 1:5	23	39.1	55.6	20	19.2	5.5	41.25
G240	M10 × 1.25	TAP 1:5	30	13.1	47.6	26	110		
G270	M10 × 1.25	TAP 1:5	30	13.1	47.6	26	110		
G340	M10 × 1.25	TAP 1:5	30	19.0	48.0	26	110		
G390	M10 × 1.25	TAP 1:5	30	19.0	48.0	26	110		
G420	M10 × 1.25	TAP 1:5	30	19.0	48.0	26	110		

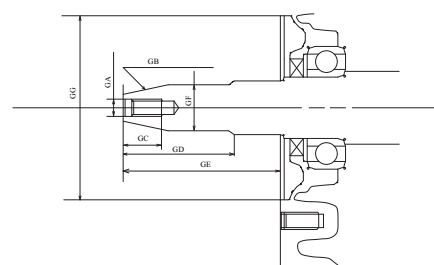
Key Shaft for G160 – G420F



Generator Shaft for G160 – G200F



Generator Shaft for G240 – G420F



GENERAL PURPOSE REPLACEMENT ENGINES

CHANGFA DIESEL



CF170
Recoil Start



CF170E
Electric Start with Charging Circuit

Model No.	CF170F(E)	CF178F(E)	CF186F(E)
Engine Type	Vertical, Single Cylinder 4-stroke Air Cooled Diesel		
Combustion System	Direct Injection		
Bore x Stroke (mm x mm)	70 x 55	78 x 62	86 x 70
Shaft Size	3/4" Q Shaft	1" Q Shaft	1" Q Shaft
Displacement (L)	0.211	0.296	0.406
Max Torque (N · m/rpm)	5.7 / 3600	7.5	10.5 / 3000
Compression Ratio	20	20	20
Recommended Power (kW/3600 rpm)	2.8	4.0	6.5
Max Output	3.1	4.4	7.3
Cooling System	Forced Air Cooling		
Oil Capacity (Litres)	0.45	0.6	0.6
Lubrication System	Pressure Lubrication		
Starting System	Recoil or Electric Options		
PTO° Shaft Rotation	Anti clockwise (from PTO side)		
Air Cleaner	Dry type with paper element filter		
Volume of Fuel Tank (L)	2.5	3.5	5.5
Volume of Engine Oil (L)	0.75	1.1	1.65
Fuel Consumption (g/kW Hour)	274 g/kW-h	268 g/kW-h	279 g/kW-h
Dimension (L x W x H)	332 x 376 x 415	383 x 421 x 450	417 x 470 x 494
Weight Kg	27	33	48

Model / Version	Code	Price	Code	Price	Code	Price
Q Shaft Recoil Start	CF170F		CF178F		CF186F	
Q Shaft Electric Start	CF170FE		CF178FE		CF186FE	
Generator Taper Shaft Electric Start	-	-	-	-	CF186 GEN ES	

SURFACE MOUNTED PUMPS

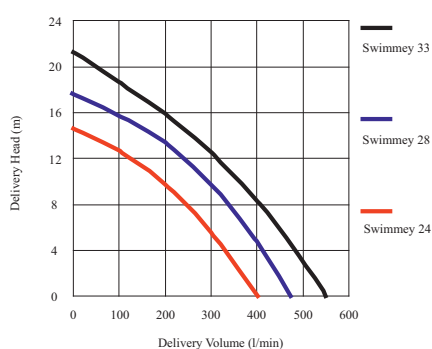
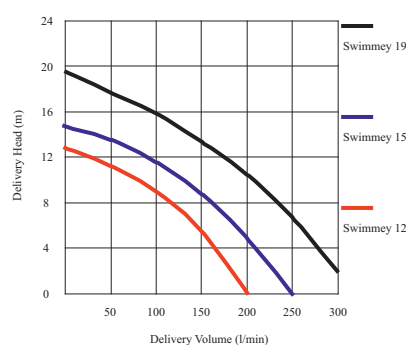
SWIMMING POOL PUMPS SELF-PRIMING

SWIMMEY 230v RANGE

MODEL	KG	kW	HP	LM/HM	CODE	PRICE
SWIMMEY 12M	8	0.37	1/2	210/13	014-010	
SWIMMEY 15M	8.5	0.5	3/4	250/15	014-012	
SWIMMEY 19M	10.2	0.75	1	310/20	014-014	
SWIMMEY 24M	11	1	1.3	400/15	014-016	
SWIMMEY 28M	13	1.13	1.5	480/17	014-038	
SWIMMEY 33M	14.5	1.5	2	550/20	014-040	

SWIMMEY 415v RANGE

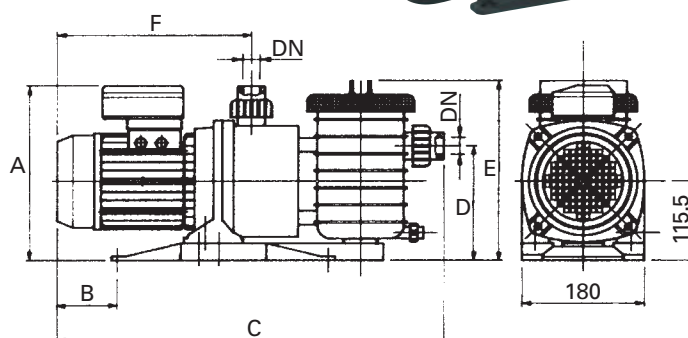
MODEL	KG	kW	HP	LM/HM	CODE	PRICE
SWIMMEY 12T	8	0.37	1/2	210/13	014-011	
SWIMMEY 15T	8.5	0.5	3/4	250/15	014-013	
SWIMMEY 19T	10.2	0.75	1	310/20	014-015	
SWIMMEY 24T	11	1	1.3	400/15	014-017	
SWIMMEY 28T	13	1.13	1.5	480/17	014-039	
SWIMMEY 33T	14.5	1.5	2	550/20	014-041	



SW12-19



SW24-28

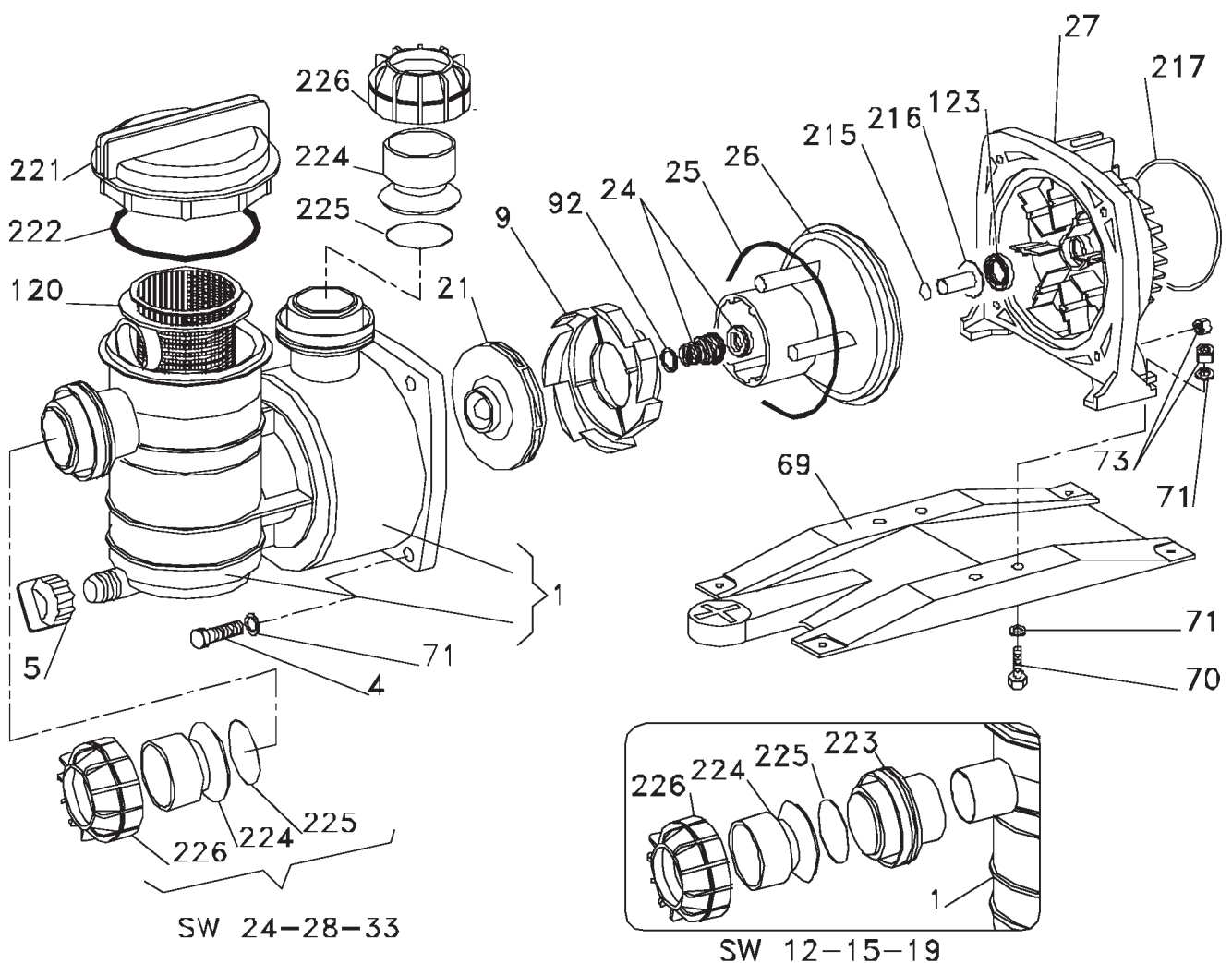


Model	Dimensions mm							Weight Kg
	A	B	C	D	E	F	DN	
SWIMMEY 12	230	35	565	183	280	240	48.5mm/50mm/1 1/2" BSP	8
SWIMMEY 15	230	35	565	183	280	240	48.5mm/50mm/1 1/2" BSP	8.5
SWIMMEY 19	240	58	590	183	280	255	48.5mm/50mm/1 1/2" BSP	10.2
SWIMMEY 24	240	87	610	183	280	285	48.5mm/50mm/1 1/2" BSP	11
SWIMMEY 28	260	112	635	183	280	310	48.5mm/50mm/1 1/2" BSP	13
SWIMMEY 33	260	112	635	183	280	310	48.5mm/50mm/1 1/2" BSP	14.5

SURFACE MOUNTED PUMPS

SWIMMEY – COMMON PARTS

PART	DESCRIPTION	CODE	PRICE	PART	DESCRIPTION	CODE	PRICE
1	BODY 12-19	014-072		24	SEAL 12-19	014-047	
1	BODY 24-33	014-070		24	SEAL 24-33	014-043	
21	IMPELLER 12	014-050		25	BODY O RING	014-078	
21	IMPELLER 15	014-052		225	O RING	014-099	
21	IMPELLER 19	014-054		225	O RING	014-099	
21	IMPELLER 24	014-056		224	JOINT/WHITE 48.5mm	014-074	
21	IMPELLER 28	014-058		224	JOINT/BLACK 50mm	014-075	
21	IMPELLER 33	014-060		224	JOINT/THREADED 1½" BSP	014-073	
9	VOLUTE 12	014-022		226	UNION NUT	014-076	
9	VOLUTE 15-19	014-024		223	KNUCKLE	014-096	
9	VOLUTE 24-33	014-028		221	COVER	014-066	
26	BACKPLATE 12-19	014-026		222	O RING	014-068	
26	BACKPLATE 24-33	014-046		120	BASKET	014-064	
216	SEAL SLEEVE 12-19	014-020		5	PLUG	014-098	
216	SEAL SLEEVE 24-33	014-018		69	BASE	014-062	



GARDEN PUMPS

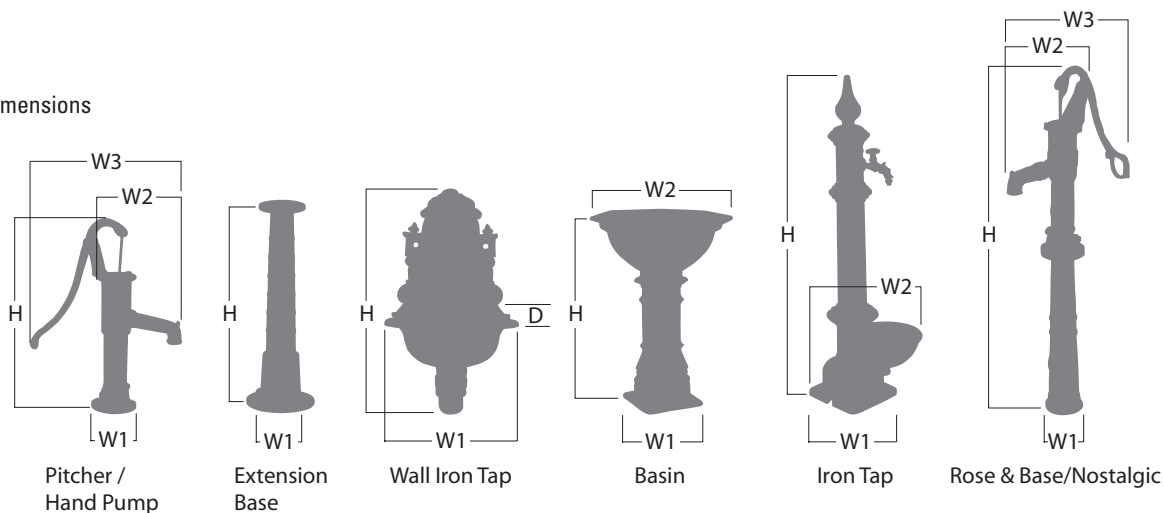
CAST IRON "VILLAGE" PUMPS

IDEAL GARDEN DECORATION – HAND WORKING – 7m SUCTION IF USED WITH FOOTVALVE

MODEL	Kg	Hmm	W1mm	W2mm	W3mm	CODE	PRICE
PITCHER PUMP (SINK TYPE)	6	390	165	190	340	050-230	
HAND PUMP	16	640	160	330	650	050-232	
EXTENSION BASE HAND PUMP	19	690	240	—	—	050-234	
90° WALL FLANGE FOR HAND PUMP	2	—	—	—	—	050-236	
ROSE PUMP	17	640	160	330	650	050-11404	
ROSE BASE	19	690	240	—	—	050-11405	
BARREL DISPLAY & PUMP	11	—	—	—	—	050-15141	
TEAPOT PUMP	82	1180	300	400	600	050-11408	
STANDING IRON TAP	47	1220	260	400	—	050-15121	
WALL IRON TAP	17	700	430	230 deep	—	050-15131E	
IRON NOSTALGIC BASIN	32	645	210	430	—	050-15104	
NOSTALGIC HAND PUMP	65	1540	150	600	750	050-11409	



Dimensions



GARDEN PUMPS

VERSAILLES STAINLESS STEEL WATER FEATURE PUMPS

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
VERSAILLES 160/8	7	178 x 178 x 425	160/7	0.45	555-072	
VERSAILLES 250/10	7.8	178 x 178 x 620	250/10	0.9	555-074	
VERSAILLES 350/12	9.3	178 x 178 x 620	350/12	1.2	555-076	

ACCESSORIES

VULCANO FOUNTAIN HEAD	010-002
GAISER FOUNTAIN HEAD	010-004
CAMPANA FOUNTAIN HEAD	010-006
FILTER CARTRIDGE FOR 160/8	010-021
FILTER CARTRIDGE FOR 250/10 & 350/12	010-023

Versailles stainless steel water feature pumps. Supplied with 1/4"-1" plastic reducer to accept the fountain head optional accessories. 10 metres of power cable. The sponge filters are optional accessories and should be used where impurities in the water are less than 1.5mm. Maximum submersion depth is 7 metres.



Filter



Campana



Vulcano



Gaiser

APPROX DIAMETER & HEIGHT OF WATER FEATURES IN CM

MODEL	VULCANO	GAISER	CAMPANA
VERSAILLES 160/8	Ø 180 - H 360	Ø 20 - H 110	Ø 90 - H 45
VERSAILLES 250/10	Ø 230 - H 500	Ø 30 - H 180	Ø 95 - H 45
VERSAILLES 350/12	Ø 300 - H 600	Ø 50 - H 250	Ø 100 - H 45

LEO SUBMERSIBLE IRRIGATION BUTT PUMP

16MM OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
LEO XKS 230v	4.0	406 x 178 x 178	37/11	0.3	LEO XKS304P	

Submersible butt pump ideal for garden irrigation



BUTT PUMP

GARDEN PUMPS

PRATIKA – STAINLESS STEEL MULTISTAGE PUMP

1 1/4" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
PRATIKA MANUAL	10.8	406 x 178 x 178	110/45	1.2	022-824	
PRATIKA AUTO	10.8	406 x 178 x 178	110/45	1.2	022-822	

The Pratika pumps are portable and ready to use for installation in traditional wells, water deposits and collection tanks. Also suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or abrasive material. All stainless steel apart from the impellers and diffusers which are made from Noryl. NBR lip sealed followed by a carbon ceramic seal. Supplied with 15 metres of power cable and a hoesail. Maximum submersion depth 10 metres.



Pratika Auto

DEEP 1200 AUTOMATIC

1" OUTLET 230v

MODEL	Kg	H x W x L mm	LM/HM	kW	CODE	PRICE
DEEP 1200 AUTO	10.8	400 x 150 x 150	95/48	1.1	022-832	

Deep is mainly of plastic construction. This submersible pump is portable and ready to use for installation in traditional wells, water deposits and collection tanks. Suitable for small scale irrigation systems. CLEAN WATER ONLY with no suspended solids or Abrasive material. Maximum submersion depth 10m. Complete with 15m of cable, non-return valve and hose tail.



DEEP 1200

ECOPOND

230v 1" INLET & OUTLET

MODEL	Kg	H x W x L	LM/HM	WATT	CODE	PRICE
ECOPOND 60	3.8	175 x 195 x 250	60/5	180	022-070	
ECOPOND 100	3.8	175 x 195 x 250	100/7	260	022-072	
ECOPOND 180	5.6	175 x 195 x 250	180/10	650	022-073	

Ecopond – complete with on/off switch, 1 metre of power cable and plug. **Not** self priming and must not be allowed to run dry. Maximum suction height of 2 metres with a footvalve. Suitable for pond circulation and chlorinated water.



ECOPOND

GARDENJET 230v C/W SUCTION KIT, HANDLE AND LEAD

MODEL	Kg	H x W x L	LM/HM	kW	CODE	PRICE
GARDEN JETINOX 1000	10	190 x 178 x 351	60/46	0.8	022-422	

Garden Jetinox – c/w handle, on/off switch and a 7 metre suction kit which has a filter and non return valve included. For the outlet a 25mm hose connector is supplied. For hoses see page 52. 1" inlet/outlet. Stainless steel pump body. Impeller, diffuser/venturi system made from technopolymer. Clean water only with a maximum temp of 50°C. Maximum suction height of 7 metres with footvalve. Garden jetinox can be used to draw water from wells, waterbutts etc to operate sprinklers and waterguns for irrigation purposes.



GARDEN JETINOX 1000

SUCTION KITS COMPLETE WITH FOOTVALVE

MODEL	KG	CODE	PRICE
KA-4 1" 4 Metres c/w Footvalve	3	060-380	
KA-7 1" 7 Metres c/w Footvalve	4	060-382	
KA-4 Max 1 1/4" 4 Metres c/w Footvalve	3	060-384	
KA-7 Max 1 1/4" 7 Metres c/w Footvalve	4	060-386	

KA Suction Kits complete with plastic footvalve and plastic strainer. KA Max Kits complete with plastic footvalve and plastic strainer. Both kits have plastic nipple to connect to the pump.



KA SUCTION KIT

NINPHAEA MINI FOUNTAIN PUMPS

MODEL	LH/HM	kW	CODE	PRICE
700	700/1.45	13	010-040	
1100	1100/1.90	20	010-050	
2500	2500/2.35	45	010-060	
3800	3800/2.60	75	010-070	
5000	4800/3.70	95	010-090	

Approx Diameter & Height of Water Features

MODEL	Fig 1 (H1/Ø cm)	Fig 2 (H1/H2/Ø cm)	Fig 3 (H1/H2/H3/Ø cm)	Fig 4 (Ø cm)	Fig 5 (H/Ø cm)
700	90/102	-	-	19	13/27
1100	73/86	105/75/90	-	35	-
2500	82/86	170/110/138	141/102/92/132	79	-
3800	155/210	210/180/250	208/125/113/155	75	-
5000	170/235	245/180/250	208/140/125/180	90	-

Applications – For ponds and filters, designed for private leisure purposes in garden ponds for example. Unsuitable for prolonged industrial type use.
Model 700 is for fountain use only. Models 1100-5000 can be used as fountains and/or to filter systems. Maximum submersion depth 3 metres.

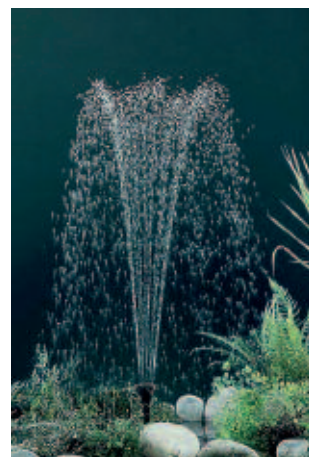


Fig 1 One Way



Fig 2 Two Way

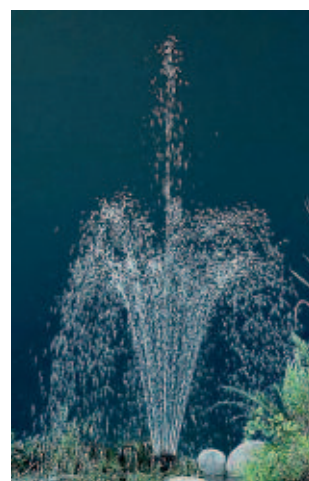


Fig 3 Three Way



Fig 4 Bell



Fig 5 Cone



PRESSURE BOOSTING SYSTEMS

SHOWER BOOSTER PUMPS

230v

Positive Head Shower Pumps

Positive Head Pumps Require Min 6" of Head of Water to Operate

MODEL	KG	H x W x L	LM	kW	CODE	PRICE
SHOWERMATE						
1.2 BAR SINGLE	5	189 x 130 x 212	9	0.24	014-208	
1.4 BAR TWIN	6	188 x 130 x 298	9 x 2	0.44	014-206	
1.8 BAR TWIN	8	188 x 132 x 313	9 x 2	0.64	014-207	
MONSOON						
2.0 BAR SINGLE	6	202 x 130 x 213	9	0.36	014-210	
3.0 BAR SINGLE	8	202 x 130 x 242	9	0.52	014-213	
2.0 BAR TWIN	8	202 x 130 x 252	9 x 2	0.53	014-217	
3.0 BAR TWIN	11	202 x 130 x 308	9 x 2	0.85	014-220	
4.0 BAR TWIN GOLD	20	225 x 148 x 411	9 x 2	1.4	014-223	

Negative Head Pumps

Negative Head Pumps Do Not Require any Head of Water to Operate

MODEL	KG	H x W x L	LM	kW	CODE	PRICE
PM-45 4.0 BAR SINGLE	9	345 x 225 x 260	40	0.37	022-402	
MONSOON						
2.0 BAR SINGLE	7	340 x 175 x 248	9	0.37	014-227	
3.0 BAR SINGLE	9	390 x 175 x 291	9	0.53	014-230	
2.0 BAR TWIN	10	408 x 144 x 252	9 x 2	0.52	014-233	
3.0 BAR TWIN	13	408 x 144 x 308	9 x 2	0.85	014-237	

Showermate – PVC Pump Ends / Monsoon & PM – Brass Pump Ends



SINGLE PUMP POSITIVE HEAD DUTY

Single positive head pumps are installed between the shower mixer valve and the shower rose, and operate by boosting the blended water from the valve to the shower. Because they are flow switch operated they can only be used in positive head positions, where a minimum of 0.5 litres of water per minute can be supplied from natural gravity flow from the highest outlet.



TWIN PUMP POSITIVE HEAD DUTY

Installed before the mixer valve, twin pumps are connected to the hot and cold water supplies, so the pump then pressurises the water entering the valve. Flow switch operated, they can only be used in positive head situations where a minimum of 0.5 litres of water can be supplied from natural gravity flow from the highest outlet. All twin pumps have the power to supply not just individual showers, but to pressurise the supply to the whole bathroom, or the entire house. In these situations we would advise you to talk to your stockist about the right pump for the job.



SINGLE PUMP NEGATIVE HEAD DUTY

Single negative head pumps are ideal where a single supply of either hot or cold water is required to a location above the level of cold water storage tanks. The pump is fully automatic and will supply water as soon as shower/tap is opened. They are ideal for supplying instantaneous electric showers where mains water pressure is either inadequate or not available. In this case the pump should be connected to the cold water storage system supplying pressurised water to the shower unit.



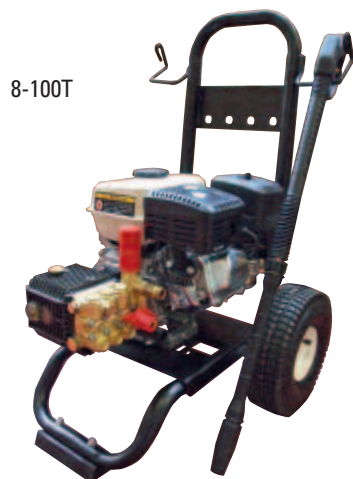
TWIN PUMP NEGATIVE HEAD DUTY

These pumps have similar performances to the flow switch operated twin pumps. However, unlike flow switch operated pumps, a negative head pump is switched by pressure. This means they are ideal for automatically supplying both hot and cold water under medium or high pressure to a shower or bathroom which, because of its position relative to the cold water storage system, does not benefit from gravity flow.

PRESSURE WASHERS & WATER HARVESTER

PETROL ENGINE DRIVEN PRESSURE WASHERS

MODEL	KG	H x W x L	HP	LM/BAR	ENGINE	INTERPUMP	GEARBOX	DIRECT	CODE	PRICE
8-100T	40	800 x 520 x 560	4	8/100	G120	WW906CVB	–	✓	700-1142	
8-100F	40	380 x 350 x 470	4	8/100	G120	WW906CVB	–	✓	700-1142F	
14-150T	43	800 x 520 x 790	6.5	14/150	G200	SA154	✓	-	700-1099	
21-200T	72	840 x 600 x 920	13	21/200	G390	SA202	✓	-	700-1145	



8-100T



14-150T



8-100F

Engine driven pressure washers complete with filtration system, quick release couplings on all hoses, detergent application as standard, model 8-100 has an 800mm lance, 14-150 & 21-200 have a 900mm lance, wash gun with swivel and high pressure hose

RAINFLOW

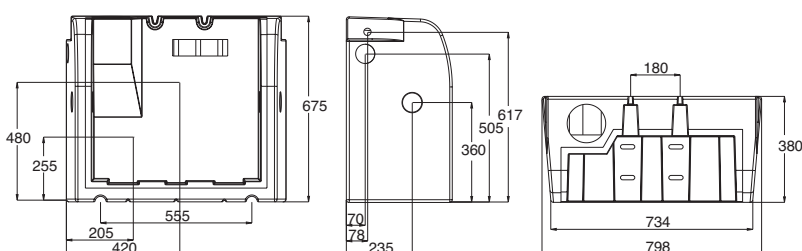
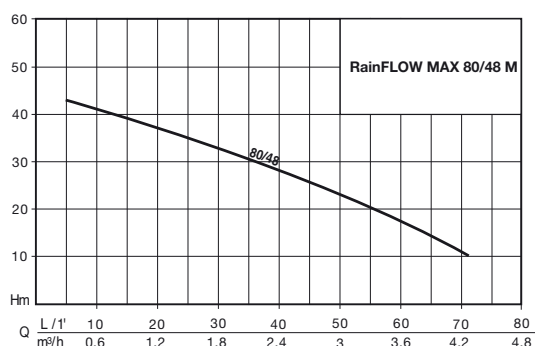
BOOSTER SYSTEM FOR HARVESTED RAINWATER

The RainFLOW unit is an automatic pumping system designed for monitoring and controlling the distribution of harvested rainwater. When insufficient rainwater is available from the collecting tank (e.g. underground tank), the electronic control of RainFLOW switches to the suction pipe of the mains water integrated tank, by means of the built-in three-way valve. In this way, RainFLOW ensures that water is always available at the points of consumption. RainFLOW is supplied together with a self-priming multistage centrifugal pump of the MAX series.

For more information please contact our sales team.



MODEL	Kg	LM/HM	kW	CODE	PRICE
RAINFLOW 230v	23	80/48	0.8	450-1200	



SINGLE AND THREE PHASE METRIC MOTORS B3, B5 AND B14



Model B3



Model B5



Model B14

SINGLE PHASE PERMANENT CAPACITOR 2800 RPM 230v 50Hz

Model/Code	kW	HP	RPM	AMP	uF	L x W x H	Shaft	KG	Price B3
MM 71 A2	0.37	0.5	2800	2.9	14	242 x 135 x 160	14mm	5.7	
MM 71 B2	0.55	0.75	2800	4.2	16	242 x 135 x 160	14mm	7.1	
MM 80 A2	0.75	1.0	2800	5.1	25	278 x 152 x 228	19mm	10.5	
MM 80 B2	1.1	1.5	2800	7.2	30	278 x 152 x 228	19mm	12	
MM 90 S2	1.5	2.0	2800	9.1	40	303 x 170 x 242	24mm	14	
MM 90 L2	2.2	3.0	2800	13	50	328 x 170 x 242	24mm	17.5	

SINGLE PHASE PERMANENT CAPACITOR 1400 RPM 230v 50Hz

Model/Code	kW	HP	RPM	AMP	uF	L x W x H	Shaft	KG	Price B3
MM 71 B4	0.37	0.5	1400	2.6	12.5	242 x 135 x 160	14mm	6.8	
MM 80 A4	0.55	0.75	1400	4.5	20	278 x 152 x 228	19mm	9	
MM 80 B4	0.75	1.0	1400	6.1	25	278 x 152 x 228	19mm	10.7	
MM 90 S4	1.1	1.5	1400	7.1	35	303 x 170 x 242	24mm	14	
MM 90 L4	1.5	2.0	1400	9.2	40	328 x 170 x 242	24mm	17	
MM 100 L4	2.2	3.0	1400	13.5	60	370 x 192 x 265	28mm	21.5	

THREE PHASE ELECTRIC MOTORS 2800 RPM 400v 50Hz

Model/Code	kW	HP	RPM	AMP	uF	L x W x H	Shaft	KG	Price B3
MT 71 A2	0.37	0.5	2800	0.98	220-400	242 x 135 x 180	14mm	5.7	
MT 71 B2	0.55	0.75	2800	1.4	220-400	242 x 135 x 180	14mm	7.1	
MT 80 A2	0.75	1.0	2800	2	220-400	278 x 152 x 202	19mm	7.6	
MT 80 B2	1.1	1.5	2800	2.4	220-400	278 x 152 x 202	19mm	6	
MT 90 S2	1.5	2.0	2800	3.2	220-400	303 x 170 x 214	24mm	12.5	
MT 90 L2	2.2	3.0	2800	4.5	220-400	328 x 170 x 214	24mm	15.3	
MT 100 L2	3.0	4.0	2800	6.4	220-400	370 x 192 x 236	28mm	19.8	
MT 112 M2	4.0	5.5	2800	8	220-400	388 x 220 x 262	28mm	28	
MT 132 SA2	5.5	7.5	2800	10.5	400-690	459 x 260 x 310	38mm	41.5	
MT 132 SB2	7.5	10	2800	13.8	400-690	459 x 260 x 310	38mm	44.5	
MT 160 MA2	11	15	2800	20.6	400-690	605 x 318 x 382	42mm	75	
MT 160 MB2	15	20	2800	27.4	400-690	605 x 318 x 382	42mm	86	

ELECTRIC MOTORS

THREE PHASE ELECTRIC MOTORS 1400 RPM 400v 50Hz

Model/Code	kW	HP	RPM	AMP	Voltage	L x W x H	Shaft	KG	Price B3
MT 71 B4	0.37	0.5	1400	1.06	220-400	242 x 135 x 180	14mm	6.6	
MT 80 A4	0.55	0.75	1400	1.6	220-400	278 x 152 x 202	19mm	9	
MT 80 B4	0.75	1.0	1400	2	220-400	278 x 152 x 202	19mm	10.6	
MT 90 S4	1.1	1.5	1400	2.7	220-400	303 x 170 x 214	24mm	12.6	
MT 90 L4	1.5	2.0	1400	3.4	220-400	328 x 170 x 214	24mm	14.7	
MT 100 LA4	2.2	3.0	1420	4.9	220-400	370 x 192 x 236	28mm	20	
MT 100 LB4	3.0	4.0	1400	6.5	220-400	370 x 192 x 236	28mm	21	
MT 112 M4	4.0	5.5	1400	8.2	220-400	388 x 220 x 262	28mm	31	
MT 132 S4	5.5	7.5	1400	11.6	400-690	459 x 260 x 310	38mm	43	
MT 132 MA4	7.5	10	1400	15.7	400-690	497 x 260 x 310	38mm	50.5	
MT 160 M4	11	15	1400	22.5	400-690	605 x 318 x 382	42mm	82	
MT 160 L4	15	20	1400	30.5	400-690	648 x 318 x 382	42mm	97	

LARGER MOTORS AVAILABLE ON REQUEST



Model B3



Model B5



Model B14

FLANGES

Flanges B5						Flanges B14					
Code	Frame	Dia	PCD	Holes	Price	Code	Frame	Dia	PCD	Holes	Price
FL71B5	71	160	130	9mm		FL71B14	71	105	85	M6	
FL80B5	80	200	165	11mm		FL80B14	80	120	100	M6	
FL90B5	90	200	165	11mm		FL90B14	90	140	115	M8	
FL100B5	100	250	215	14mm		FL100B14	100	160	130	M8	
FL112B5	112	250	215	14mm		FL112B14	112	200	165	M10	
FL132B5	132	300	265	14mm		FL132B14	132	250	215	M12	
FL160B5	160	350	300	18mm							

MOTOR STARTERS

PLASTIC CASED IP 65 D.O.L./N.V.R STARTERS

Code	Phase	Amp	Price	Code	Phase	Amp	Price
040-006	1	1.8 - 2.7		040-020	3	1.4 - 2.1	
040-007	1	2.4 - 3.6		040-021	3	1.8 - 2.7	
040-008	1	3.5 - 5.0		040-022	3	2.4 - 3.6	
040-009	1	4.0 - 6.0		040-023	3	3.5 - 5.0	
040-010	1	5.5 - 8.5		040-024	3	4.0 - 6.0	
040-011	1	8.5 - 12.5		040-025	3	5.5 - 8.0	
040-012	1	12.5 - 18		040-026	3	8.5 - 12.5	

HEATING CIRCULATORS



Heating circulators available on request. Contact our sales team for a brochure.