



For pumping solutions
turn to the experts **SLD**

The Experts Guide



Celebrating 60 years 1951 to 2011

Visit our online shop
www.sldpumpspower.co.uk



...About SLD

UK's Leading Specialists

Successful businesses are about successful people and our employees are without question our most valued asset. It is through the collective efforts of our people that we have developed as far as we have.

By having the right people, products and processes in place this has allowed SLD to maintain its status as the UK's leading specialist in pump hire/sales.

SLD have been well established with over 40 years experience and knowledge of our client requirements. This has allowed our systems and processes to be constantly developed to provide our clients to have SLD pumps "at the right place, at the right time, at the right cost". Backed by our unique service network this provides our clients piece of mind anytime day or night.

With an extensive depot network across the UK this has allowed SLD to become close to our clients giving added benefits of local solutions for their needs.

Benefits

- Fast hire response / support
- Experienced personnel
- Cost effective rental hire
- Bespoke pumping solutions for your pumping needs
- Specialist wellpointing / dewatering service
- Excellent service delivery
- Quality SLD pump for exceptional reliability
- Reliable proven engine technology from leading manufacturers
- Environmentally friendly pumps
- For complete peace of mind 24/7 emergency service



Continual high investment core to our rental fleet...

SLD Auto/Stop/Start Panel

SLD's Auto/Stop/Start Panel is a state of the art automatic engine start/stop controller.

The controller allows basic Auto-Start / Stop functions from level controls, which can be set on:-

Standard Arrangement : Tank empty operation

Optional Arrangement : Tank fill operation

Duel pumps : Duty / Standby / Duty Assist



This feature offers major benefits to the User and the Environment:-

- Massive fuel savings on intermittent flow applications
- Pumps left on Auto Start Standby for Emergency Operation
- Flood Defence Protection
- Savings in Labour Costs
- Reduction in Carbon Emissions
- Reduce service intervals and wear on pump components

The engine control panel allows Auto-Off-Manual control from a key-switch.

Added Benefit: Engine Protection

The panel incorporates an automatic engine protection system which will stop the engine under the following conditions:-

- Low Oil Pressure
- High Engine Temperature
- Overspeed Signal

If the controller senses any shutdown conditions, while it is running, the fuel output will be de-energised, the common fail output will be energized and the appropriate LED will light. Before the module will attempt to start the engine again, the unit must be reset by moving the selector switch to the OFF position and then back to the AUTO position. Helps to protect the engine from operator error, neglect or mechanical failure.

SLD Engineers can modify the controller to operate from other stop/start signal devices and provide a bespoke package to suit your specific needs.



Introduction	3-4
Contents	5
UK Depots	6-7
Health, Safety and the Environment	8
ISO Standard/Accessories	9
Dri-Prime	10
Huspac	11
Diesel & Electric Range	12-39
High Head Range	40-65
Submersible Range	66-117
Hydraulic Range	118-129
Air Operated Pump Range	130-133
Wellpointing	134-139
Pressure Jetting/Cleaning	140-143
Hoses	144
Adaptors	145
Hose Ramps	146-147
Settlement Tanks	148
Fuel Tanks	149
Drip Trays	150
Pump/Generator/Pipe Selection Guides	151-163



Fast Hire Response



Extensive Depot Network UK Local Solutions...

Aberdeen

aberdeen@sldpumpspower.co.uk
T: 01224 874781 F: 01224 890576

Cardiff

cardiff@sldpumpspower.co.uk
T: 02920 839960 F: 02920 792933

Carlisle

carlisle@sldpumpspower.co.uk
T: 01228 528148 F: 01228 590876

Dundee

dundee@sldpumpspower.co.uk
T: 01382 778179 F: 01382 480711

East Anglia

east.anglia@sldpumpspower.co.uk
T: 01359 250101 F: 01359 251937

Edinburgh

edinburgh@sldpumpspower.co.uk
T: 0131 3391060 F: 0131 3395206

Erith

erith@sldpumpspower.co.uk
T: 01322 350088 F: 01322 350066

Glasgow

glasgow@sldpumpspower.co.uk
T: 0141 8875121 F: 0141 8485307

Hatfield

hatfield@sldpumpspower.co.uk
T: 01707 269021 F: 01707 269079

Immingham

immingham@sldpumpspower.co.uk
T: 01469 573651 F: 01469 578997

Irvine

irvine@sldpumpspower.co.uk
T: 01294 278986 F: 01294 271324
irvine.wellpointing@sldpumpspower.co.uk
T: 01294 274921 F: 01294 271324

Kendal

kendal@sldpumpspower.co.uk
T: 01539 723121 F: 01539 734007

London (West)

londonwest@sldpumpspower.co.uk
T: 01784 220100 F: 01784 220128

Manchester

manchester@sldpumpspower.co.uk
T: 0161 3309581 F: 0161 3304538

Midlands

midlands@sldpumpspower.co.uk
T: 01332 811351 F: 01332 853186

Milford Haven

milford.haven@sldpumpspower.co.uk
T: 01646 698221 F: 01646 695496

Muir of Ord

muir.of.ord@sldpumpspower.co.uk
T: 01463 870454 F: 01463 871383

Northern Ireland

ni@sldpumpspower.co.uk
T: 02892 602167 F: 02892 660791

Peterborough

peterborough@sldpumpspower.co.uk
T: 01778 560387 F: 01778 560087

Plymouth

plymouth@sldpumpspower.co.uk
T: 01752 481661 F: 01752 484122

Sheffield

sheffield@sldpumpspower.co.uk
T: 01142 430761 F: 01142 619209

Southampton

southampton@sldpumpspower.co.uk
T: 02380 620244 F: 02380 629405

Stockton-on-Tees

stockton@sldpumpspower.co.uk
T: 01642 764714 F: 01642 769975

Sunderland

sunderland@sldpumpspower.co.uk
T: 0191 5165500 F: 0191 5165501

Wigan

wigan@sldpumpspower.co.uk
T: 01942 825739 F: 01942 236120
wigan.wellpointing@sldpumpspower.co.uk
T: 01942 821987 F: 01942 236120



Health, Safety and the Environment

SLD Pumps and Power are committed to providing the highest level of health, safety and environmental excellence for both our employees and our clients. As the industry's leading specialist, you can rest assured SLD will deliver what you need, when you need it, in a safe manner.

Our pumps are more fuel efficient and as a result this causes less carbon emissions to the atmosphere.

'Being one step ahead - peace of mind for your business'.

Certifications and Trade Associations



All SLD depots are formally committed and working towards full achievement of Investors in People accreditation.

Safety Equipment

Personal Protective Equipment should be worn when working with equipment and accessories.

Safety gloves, protective footwear, ear defenders, hard hats, overalls, high vis clothing and suitable eye protection should always be worn when handling pumps and/or ancillary equipment.

Dependent upon the application additional safety equipment may be required in certain situations.

SLD has a dedicated UK HSEQ Manager committed to ensuring health and safety excellence, nationwide. SLD provide continuous internal and external HSEQ training programmes that are assessed by certified external bodies.

'Excellence in all we do'.



The U.K. has adopted the International system of measurement, I.S.O., and for contractors' pumps the following are standard:

Head: Measured in metres. This actually means metres of pumped liquid, usually water in which case the term 'metres of water column' is implied. 30m = 100ft.

Bulk Flow: Measured in cubic metres per hour, or m³/h. This is a very convenient size of unit, close to the old civil engineering 'cubic yard'. A good 6" pump delivers about 400m³/h. The British Pump Manufacturers Association have adopted this standard.

Flow Rate: Sewage works tend to use 'litres per second' instead of 'm³/h' because this was the initial standard. Litres per minute is old fashioned continental metric and out of date. Litres per hour is similarly placed and gives unmanageable numbers. 1/sec. x 3.6 = m³/h.

Power: Both diesel engines and electric motors are rated at the power they give at the output shaft. Submersible pumps usually quote the input power as well, the difference being lost as heat. The unit of power is the kW which is slightly bigger than a horsepower unit. (1kW = 1.3hp).

Length: Length units are millimetres and metres. (A door is usually 2m high). Bolt sizes are in handy stages, e.g. 4mm, 6mm, 8mm.

Accessories

The following symbols are used throughout this book to illustrate the types of accessories that SLD can offer. Detailed information on the complete range of accessories we provide is contained within the accessories section of this handbook.

SLD can also provide Chalwyn Valves and Spark Arrestors. Please contact your local SLD depot for further information.



Hoses



Adaptors



Drip Tray



Telemetry



Strainer



Settlement Tank



Fuel Tank

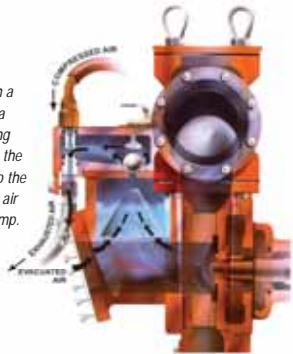


Autostart Float

End suction pumps have automatic Dri-Prime features and uses:

- A fully automatic self priming pump
- Self priming completely from dry with long suction lines
- Handles air/liquid mixtures
- Rapid priming and repriming in snore conditions
- Solids handling
- No moving parts in priming system; no need for floats and no complications
- Operation by unskilled personnel
- Simple maintenance; can be carried out in the field by one man
- For dewatering, sewage, sewage sludge, industrial slurries and drainage, and in scavenging situations
- Electric driven versions are available, either with built-in compressor or separate air supply system to operate the priming systems

Compressed air is blown through a jet into a tapered tube to create a vacuum, air from the pump casing and suction line is drawn in with the compressed air and exhausted to the atmosphere. Water replaces the air and automatically primes the pump.



Hushpac (Decibeater)

Benefits

- Quiet running
- Secure acoustic canopy
- Metal enclosure with panels designed for easy accessibility
- Close mounted arrangement carrying pump and vacuum priming compressor
- Compact design to ensure maneuverability on restricted sites
- Clean operation
- Simple maintenance
- Application flexibility – will handle raw sewage, slurries and solids up to 90mm diameter
- Most units available in hard chrome iron as an option
- Patented air ejector priming system requires no adjustment or control
- Dry running, oil lubricated, mechanical seal with abrasion resistant silicon carbide interfaces
- Hushpac range available on four wheeled site trolley, two wheeled highway trailer and skid base with integral overnight running fuel tank



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

2" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD50 & CD75 2" Dominator

Product Code: 225 & 226



This is an ideal trench pump, suitable for small drainage and open cut applications. For ease of manoeuvrability the pump is mounted on a two wheel site trailer.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



✓ Hoses



✓ Drip Tray



✓ Adaptors



✓ Settlement Tank



✓ Strainer



✓ Fuel Tank



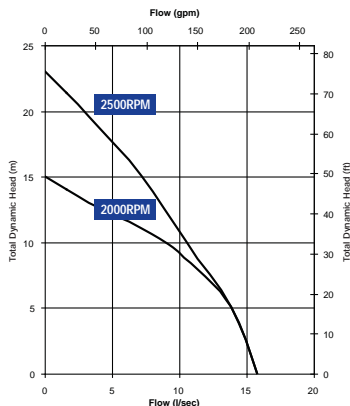
✓ Telemetry



• Autostart Float

Solids Size	40mm
Engine	PETTER/HATZ/YANMAR
Nominal Speed	1800rpm
Rated Power	3-5hp
Fuel	15-25litres per day
Tank Size	5litres
Standard Strainer	G.P. intake
L x W x H	1200 x 650 x 850mm
Operational Weight	156kg

- These pumps have both 2" and 3" BSP connections as standard these are fitted with quick couplings so that the most suitable hoses can be used. The recessed impeller is virtually unchokeable.



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD80Q 3"

Product Code: 231



This is an ideal trench pump, suitable for small drainage and open cut applications. For ease of handling the pump is mounted on a four wheeled steerable site trolley.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



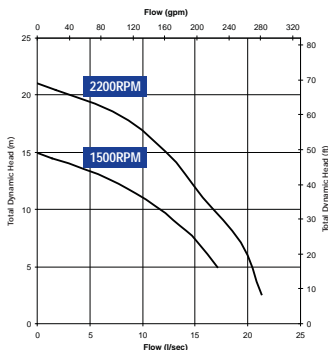
Telemetry



Autostart Float

Solids Size	40mm
Engine	PERKINS
Nominal Speed	2000rpm
Rated Power	4-5kW
Fuel	1.5litres per hour
Tank Size	50litres
Standard Strainer	G.P. intake
L x W x H	1450 x 990 x 1350mm
Operational Weight	522kg
Sound Rating	63.5dBA at 7m at 1500rpm 68dBA at 7m at 2000rpm

- The CD80Q is a slow speed pump suitable for overnight running
- Hardened steel impeller
- Hard iron wear plates
- Full Dri-Prime with electric start as standard



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe
Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD100MQ 4"

Product Code: 232



This is one of the most popular Q Pack pumps in the UK construction market. It is suitable for use on construction sites, waste water and many other drainage applications. For ease of manoeuvrability the pump is mounted on a four wheel site trailer.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



✓ Hoses



✓ Drip Tray



✓ Adaptors



✓ Settlement Tank



✓ Strainer



✓ Fuel Tank

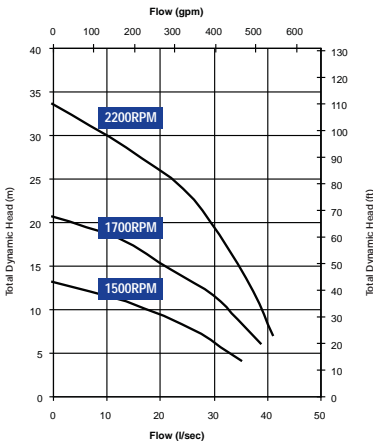


✓ Telemetry



• Autostart Float

Solids Size	40mm
Engine	PERKINS
Nominal Speed	1800rpm
Rated Power	14kW
Fuel	2.5litres per hour
Tank Size	89litres
Standard Strainer	G.P. intake
L x W x H	1655 x 1060 x 1680mm
Operational Weight	791kg
Sound Rating	73dBA at 7m at 1500rpm 74dBA at 7m at 2000rpm



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD150MQ 6"

Product Code: 233



As with the 4" Q pack, this 6" version is extremely popular in the construction industry. It is especially suitable for sewer bypass work where large flows and solids handling are at a premium. For ease of manoeuvrability the pump is mounted on a four wheel site trailer.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



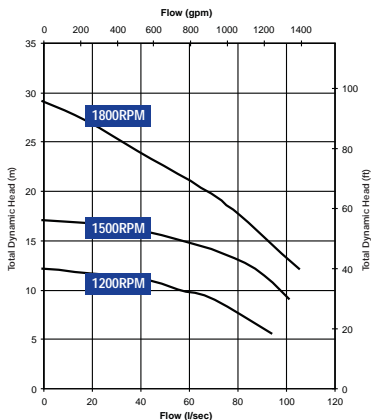
Telemetry



Autostart Float

Solids Size	65mm
Engine	PERKINS
Nominal Speed	1500rpm
Rated Power	10-25kW
Fuel	3.2litres per hour
Tank Size	168litres
Standard Strainer	G.P. intake
L x W x H	1655 x 1240 x 1710mm
Operational Weight	1074kg
Sound Rating	73dBA at 7m at 1500rpm 74dBA at 7m at 1800rpm

- The unit is also suitable for all main drainage applications



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD200MQ 8"

Product Code: 317



The largest pump in the SLD Q Pack range, this unit is skid mounted. It's robust build makes it ideal for large construction drainage projects, sewer bypasses and all waste water applications.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



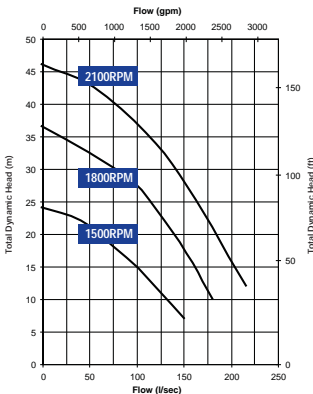
Telemetry



Autostart Float

Solids Size	75mm
Engine	LISTER PETTER CDT4/PERKINS
Nominal Speed	1500rpm
Rated Power	50-80kW
Fuel	15litres per hour
Tank Size	225litres
Standard Strainer	8" G.P. intake
L x W x H	2600 x 1300 x 1750mm
Operational Weight	1950kg
Sound Rating	72dBA at 7m at 1500rpm 80dBA at 7m at 2000rpm

- Solids clearance up to 75mm diameter
- Sewage handling ability
- Excellent choice for high volume applications



This illustration is for guidance only.

Diesel & Electric Range

High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

12" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD300M 12"

Product Code: 315



This large volume pump is built on a robust skid frame, it is ideal for large water transfer applications, sewer bypass and any large drainage applications.

Other products can be pumped. Please contact your local SLD depot for further information.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



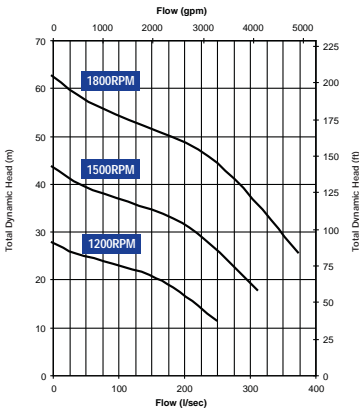
Telemetry



Autostart Float

Solids Size	90mm
Engine	CAT C12
Nominal Speed	1800rpm
Rated Power	277kW
Fuel	35litres per hour
Tank Size	900litres
Standard Strainer	12" basket strainer
L x W x H	4000 x 1750 x 1900mm
Operational Weight	5995kg

- This pump can be used with lightweight bauer steel discharge hoses
- Can also be used with multiple runs of smaller hoses



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Electric Range

- Diesel
- **Electric**
- Pneumatic
- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD100M (EL) 4"

Product Code: 238



This electric motor driven version of the popular 4" SLD Dri-Prime pump is widely used for all types of drainage and waste water applications where diesel power is not appropriate. The pump is complete with Auto/Stop/Start Panel.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



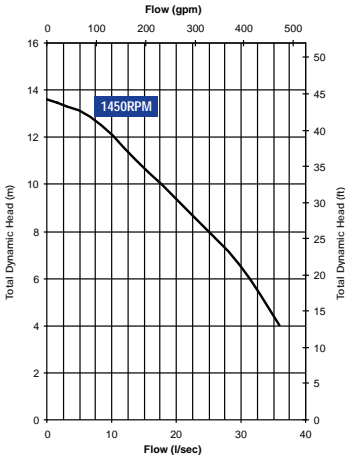
Telemetry



Autostart Float

Solids Size	45mm
Motor	415V 3 phase 50Hz weatherproof
Nominal Speed	1450rpm
Rated Power	7.5kW
Starter	D.O.L with isolator (No cable extension)
Standard Strainer	G.P. intake
L x W x H	1600 x 750 x 1115mm
Operational Weight	475kg

- External power supply is required (generators can be supplied by SLD)



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Electric Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD150M (EL) 6"

Product Code: 239



This electric motor driven version of the popular 6" SLD Dri-Prime pump is widely used for all types of drainage and waste water applications where diesel power is not appropriate.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



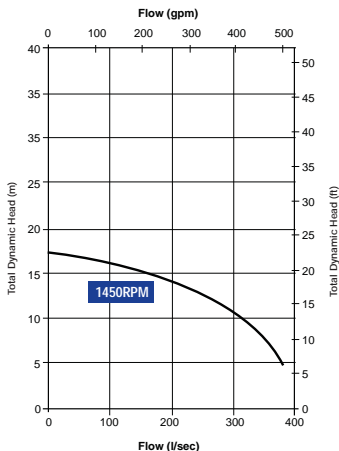
Telemetry



Autostart Float

Solids Size	65mm
Motor	415V 3 phase 50Hz weatherproof
Nominal Speed	1450rpm
Rated Power	22kW
Starter	D.O.L. with isolator (No cable extension)
Standard Strainer	G.P. intake
L x W x H	1640 x 1200 x 1255mm
Operational Weight	680kg

- External power supply is required (generators can be supplied by SLD)



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD80D 3" Hushpac (Decibeater)

Product Code: 209



The SLD Hushpac (Decibeater) super silent pump is the quietest diesel driven pump on the market. It is suitable for sewer lining, waste water municipal and all construction applications. The pump is complete with Auto/Stop/Start Panel.

This unit is available in both fast tow and skid mounted versions.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



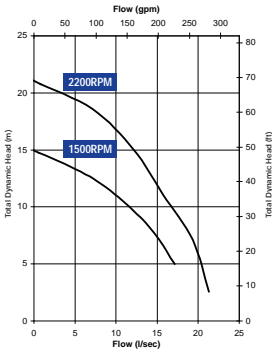
Telemetry



Autostart Float

Solids Size	40mm
Engine	PERKINS/KUBOTA
Nominal Speed	1500-2000rpm
Rated Power	3-5kW
Fuel	0.75litres per hour
Tank Size	Perkins 50litres Kubota 80litres
Standard Strainer	G.P. intake
L x W x H	1780 x 840 x 1360mm
Operational Weight	Perkins 570kg Kubota 970kg
Sound Rating	54dBA at 7m

- SLD Dri-Prime technology
- Silenced to 54dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled
- Available as fast tow or skid mounted versions



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD100M 4" Hushpac (Decibeater)

Product Code: **210** with float control

Product Code: **235** without float control



The SLD Hushpac (Decibeater) super silent pump is the quietest diesel driven pump on the market. It is suitable for sewer lining, waste water, municipal and all construction applications. The pump is complete with Auto/Stop/Start Panel.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



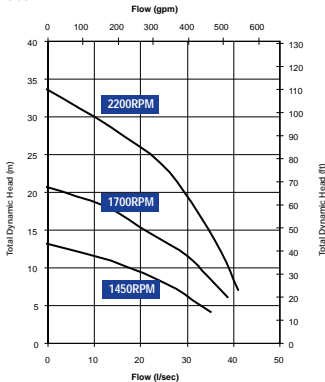
Telemetry



Autostart Float

Solids Size	45mm
Engine	PERKINS P103/403C
Nominal Speed	1500rpm
Rated Power	8-18kW
Fuel	2.5litres per hour
Tank Size	145litres
Standard Strainer	G.P. intake
L x W x H	1940 x 1050 x 1500mm
Operational Weight	1106kg
Sound Rating	64dBA at 7m

- SLD Dri-Prime technology
- Silenced to 64dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled



This illustration is for guidance only.

Diesel & Electric Range

High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD103M 4" Hushpac (Decibeater)

Product Code: 256



The CD103M features the unique high pressure oil bath mechanical seal design. This allows for totally dry running for indefinite periods while automatically priming and repriming. the CD103M can handle solids up to 75 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful CD103M has proven itself a pump of choice for sewage handling, dewatering.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry

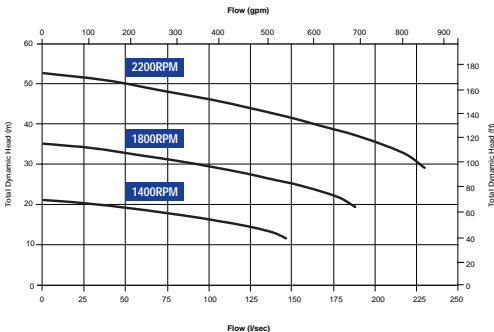


Autostart Float

Specification

Solids Size	75mm
Engine	PERKINS, 404D-22
Nominal Speed	1800rpm
Rated Power	22.8kW
Fuel	5litres per hour
Tank Size	170litres
Standard Strainer	G.P. intake
L x W x H	1800 x 1000 x 1900mm
Operational Weight	1129kg
Sound Rating	64dBA at 7m

- SLD Dri-Prime technology
- Silenced to 64dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled



This illustration is for guidance only.

Diesel & Electric Range

High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD150M 6" Hushpac (Decibeater)

Product Code: **211** with float control

Product Code: **236** without float control



The SLD Hushpac (Decibeater) super silent pump is the quietest diesel driven pump on the market. It is suitable for sewer lining, waste water, municipal and all construction applications. The pump is complete with Auto Stop/Start Panel.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



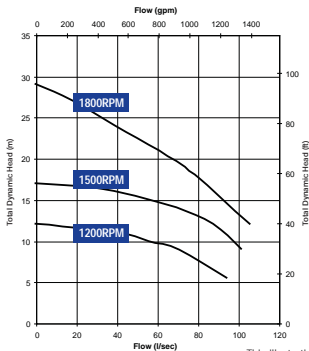
Telemetry



Autostart Float

Solids Size	65mm
Engine	PERKINS
Nominal Speed	1500rpm
Rated Power	10-25kW
Fuel	3.8litres per hour
Tank Size	168litres
Standard Strainer	G.P. intake
L x W x H	2190 x 1050 x 1480mm
Operational Weight	1380kg
Sound Rating	63dBA at 1400rpm 65dBA at 1800rpm

- SLD Dri-Prime technology
- Silenced to 64dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled



This illustration is for guidance only.

Diesel & Electric Range

High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD225M 8" Hushpac (Decibeater)

Product Code: 213



The SLD 8" Hushpac (Decibeater) super silent pump is the quietest diesel driven pump on the market. With high volume capabilities, it is suitable for sewer diversions, waste water, municipal and all construction applications where high flows are demanded. The pump is complete with Auto/Stop/Start Panel.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



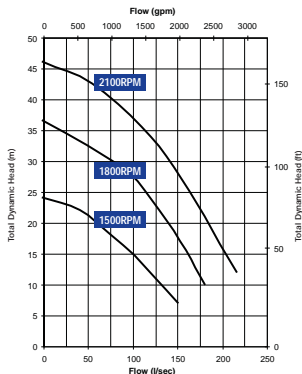
Telemetry



Autostart Float

Solids Size	75mm
Engine	PERKINS
Nominal Speed	1800rpm
Rated Power	50-85kW
Fuel	14litres per hour
Tank Size	330litres
Standard Strainer	G.P. intake
L x W x H	2890 x 1303 x 1776mm
Operational Weight	2367kg
Sound Rating	64dBA at 7m

- SLD Dri-Prime technology
- Silenced to 64dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



Diesel Range

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

12" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD300M 12" Hushpac (Decibeater)

Product Code: 214



The SLD Hushpac (Decibeater) super silent pump is the quietest diesel driven pump on the market. It is suitable for sewer diversions, waste water, municipal and all construction applications where high volume is demanded. Pump is complete with Auto/Stop/Start Panel.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



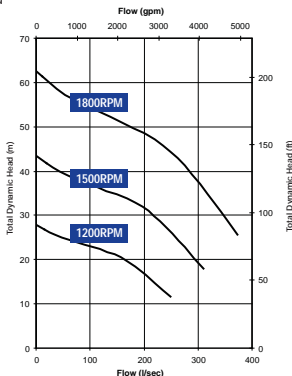
Telemetry



Autostart Float

Solids Size	95mm
Engine	CAT C9
Nominal Speed	1800rpm
Rated Power	207kW
Fuel	32litres per hour
Tank Size	625litres
Standard Strainer	12" basket strainer
L x W x H	4957 x 2278 x 2764mm
Operational Weight	7900kg
Sound Rating	72dBA at 7m

- SLD Dri-Prime technology
- Silenced to 72dBA at 7m
- Compact Design
- Fuel efficient
- Fully bundled



This illustration is for guidance only.

Diesel & Electric Range

High Head Range

Submersible Range

Hydraulic Range

Air Operated

Pump Range

Wellpointing

Pressure

Jetting/Cleaning

Hoses

Adaptors

Hose Ramps

Settlement Tanks

Fuel Tanks

Drip Trays

Pump/Generator/Pipe

Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL80M & HL80MQ 3"

Product Code: 263 & 265



The 3" HL80 pump is suitable for high head applications. It is built available in a Q Pack frame and features all the usual SLD Dri-Prime benefits.

Product code 263 is an open set.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



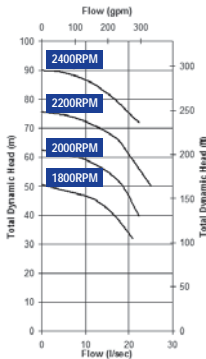
Telemetry



Autostart Float

Connections: Inlet	100mm QA
Discharge	80mm/NP16
Solids Size	25mm
Engine	PERKINS 104-19
Nominal Speed	1800-2200rpm
Rated Power	22-36kW
Fuel	5litres per hour
Tank Size	75litres
Standard Strainer	Fine mesh
L x W x H	1500 x 1240 x 1750mm
Operational Weight	1034kg

- Ideal for wellpoint jetting applications
- Deep excavation dewatering
- Standby fire pumps
- Water mains filling and testing
- Potable water transfer



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

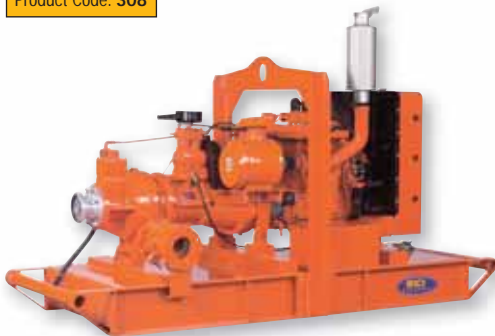
- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL4 & HL100M 4"

Product Code: 308



Skid mounted diesel driven high head pump set is ideally suited for water transfer, quarry drainage and all other high head applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



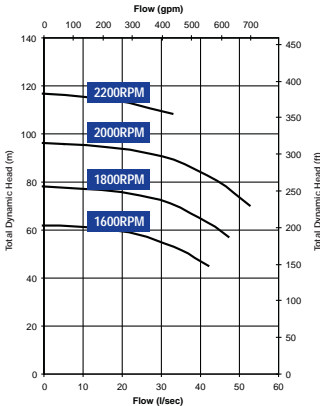
Telemetry



Autostart Float

Solids Size	35mm
Engine	FORD/PERKINS
Nominal Speed	1800rpm
Rated Power	60-80kW
Fuel	12.5litres per hour
Tank Size	255litres
Standard Strainer	4" S/C
L x W x H	2575 x 1270 x 1815mm
Operational Weight	1900kg

- High head pumps are designed to work best at two thirds along the curve from the left
- Current model is HL4 but will be superseded by the HL100
- Also available as electric and super silent



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

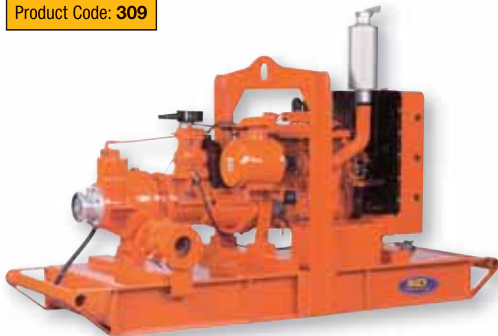
- Super Silent
- Q Pack (quiet)

6" x 4" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL5GB & HL125 6" x 4"

Product Code: **309**



The SLD HL5 is a skid mounted pump and is particularly suitable for opencast coal sites, quarries or deep excavations where long runs of 6" pipe are encountered.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



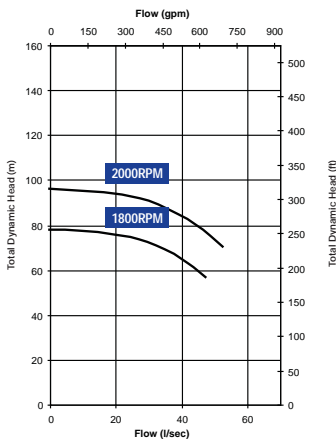
Telemetry



Autostart Float

Solids Size	35mm
Engine	FORD 6 cylinder/PERKINS
Nominal Speed	2100rpm (pump)
Rated Power	80-120kW
Fuel	20litres per hour
Tank Size	280litres
Standard Strainer	6" S/C
L x W x H	2640 x 1270 x 1690mm
Operational Weight	2280kg

- Current model is HL5 but will be superseded by the HL125
- Also available as super silent



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" x 6" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL6 & HL200 8" x 6"

Product Code: 307



This versatile skid mounted 6" high head pump is particularly useful for high head water transfer, pressure boosting, waste water and all quarrying applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



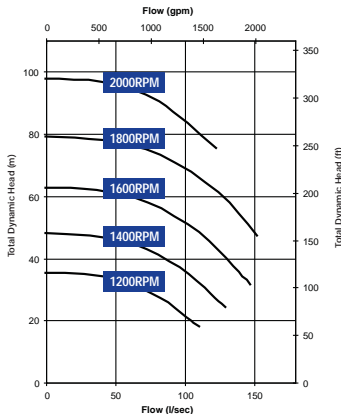
Telemetry



Autostart Float

Solids Size	38mm
Engine	VOLVO TD71
Nominal Speed	1800rpm
Rated Power	120-150kW
Fuel	25litres per hour
Tank Size	400litres
Standard Strainer	6"/8" S/C
L x W x H	3400 x 1400 x 2250mm
Operational Weight	2900kg

- Current model is HL6 but will be superseded by the HL200
- Also available as super silent



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

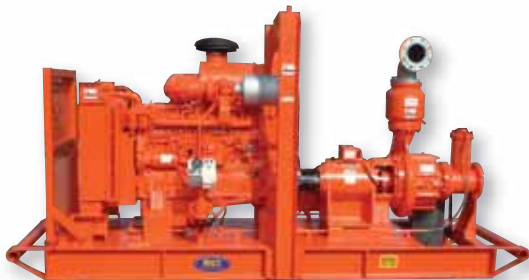
- Super Silent
- Q Pack (quiet)

8" x 6" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL6TS2 8" x 6"

Product Code: 319



This twin stage version of the popular SLD HL6 gives the user the advantage of greater water pressure and increased head. It is especially suitable for water boosting and pipe line testing applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



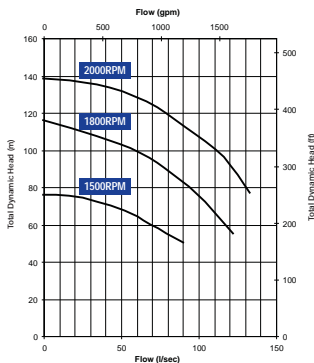
Telemetry



Autostart Float

Solids Size	38mm
Engine	VOLVO TD100G/TWD1031VR
Nominal Speed	1800rpm
Rated Power	150-228kW
Fuel	35litres per hour
Tank Size	400litres
Standard Strainer	6"/8" S/C
L x W x H	4200 x 1200 x 2100mm
Operational Weight	3800kg

- Also available as super silent



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

10" x 8" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL8 & HL200 10" x 8"

Product Code: 304



This 8" SLD high head pump is skid mounted and is the UK's leading quarry discharge pump. It is also available for water transfer and off shore applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



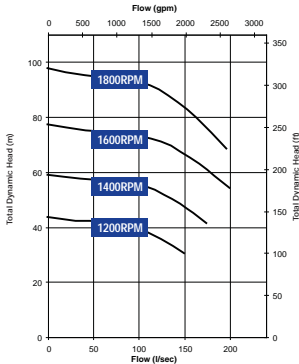
Telemetry



Autostart Float

Connections: Inlet	250 BS10 'D'
Discharge	200mm/NP16
Solids Size	75mm
Engine	VOLVO TD120A/TWD1210VR
Nominal Speed	1500rpm
Rated Power	100-250kW
Fuel	38litres per hour
Tank Size	700litres
Standard Strainer	10" basket strainer
L x W x H	4800 x 1600 x 2250mm
Operational Weight	4600kg

- Current model is HL8
- Also available as super silent
- Open impeller construction gives excellent solids handling ability for a high head pump



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

10" x 8" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

RKB 250 10" x 8"

Product Code: 325



RKB 250 has been designed specifically for the high pressure pipe testing market. It has also been successfully used for clean water and deep quarry drainage applications. Two module design for ease of transportation.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



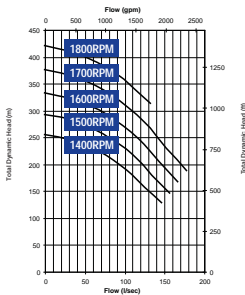
Telemetry



Autostart Float

Connections: Inlet	250/NP10
Discharge	200/NP40
Solids Size	25mm
Engine	VOLVO TAD1630V/CAT
Nominal Speed	1400-1800rpm
Rated Power	480kW
Fuel	75litres per hour
Standard Strainer	10" basket - 816.112-20mm mesh
L x W x H (Operational)	4010 x 1500 x 2230mm
(Transport)	2 Sections 1780 and 2230 long
Operational Weight (Power Pack)	4000kg
(Pump Pack)	2000kg

- May be used on suction lifts up to 5m but not on 'Snore'
- Max suction pressure 2 bars
- Water duties only
- Hand shut off valve
- Separate NRV
- DNV split module



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" x 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL80M Hushpac (Decibeater)

Product Code: 212



This high head 4" x 3" super silent pump is ideal for jetting or high pressure water transfer applications. This unit is available in both fast tow and skid mounted versions.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



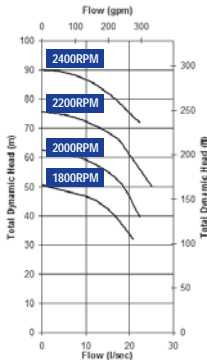
Telemetry



Autostart Float

Solids Size	25mm
Engine	PERKINS 404C
Nominal Speed	1800-2000rpm
Rated Power	28-35kW
Fuel	5litres per hour
Tank Size	170litres
Standard Strainer	Fine mesh
L x W x H	2190 x 1050 x 1500mm
Operational Weight	1260kg
Sound Rating	64dBA at 7m

- SLD Dri-Prime technology
- Silenced to 64dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled
- Auto float operation



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" x 4" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



HL125M Hushpac (Decibeater)

Product Code: 215



The SLD HL125 skid mounted pump is particularly suitable for quarrying and opencast coal mine sites, where deep excavations and long runs of 6" hose are present.

Also suitable for geotechnical specialists in drilling and ground remediation applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



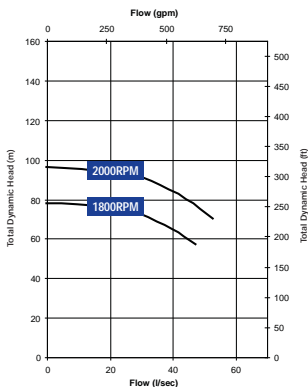
Telemetry



Autostart Float

Connections: Inlet	150mm QA
Discharge	100mm/NP16
Solids Size	35mm
Engine	PERKINS
Nominal Speed	1800rpm
Rated Power	50-80kW
Fuel	12litres per hour
Tank Size	250litres
Standard Strainer	G.P. intake
L x W x H	2890 x 1303 x 1800mm
Operational Weight	2265kg
Sound Rating	64dBA at 7m

- Ideal for noise sensitive areas



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

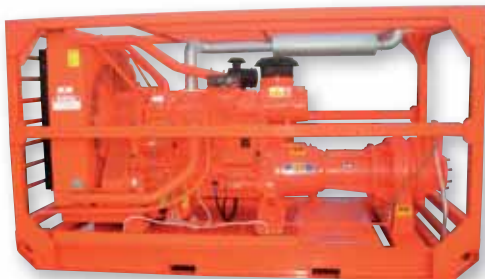
- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL160M STD

Product Code: 216



The SLD HL160m extreme high head skid mounted pump is particularly suitable for quarrying and opencast coal mine sites, where deep excavations and long discharge runs.

Also suitable for geotechnical specialists in drilling and ground remediation applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



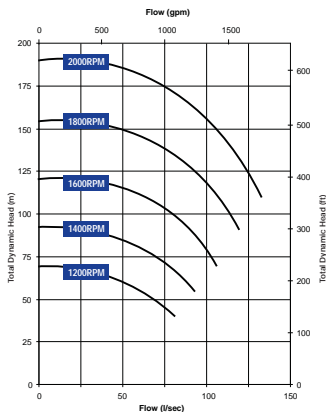
Telemetry



Autostart Float

Connections: Inlet	8" BS10
Discharge	6" ANSI 300
Solids Size	35mm
Engine	CAT C15
Nominal Speed	1800rpm
Rated Power	250-313kW
Fuel	50litres per hour
Tank Size	150litres
Standard Strainer	6"/8" S/C
L x W x H	4000 x 1832 x 2285mm
Operational Weight	6300kg

- 4 point lift
- Integral fuel tank



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL160M L

Product Code: 216L



The SLD HL160m lightweight high head skid mounted pump is particularly suitable for quarrying and opencast coal mine sites, where deep excavations and long discharge runs.

Also suitable for geotechnical specialists in drilling and ground remediation applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



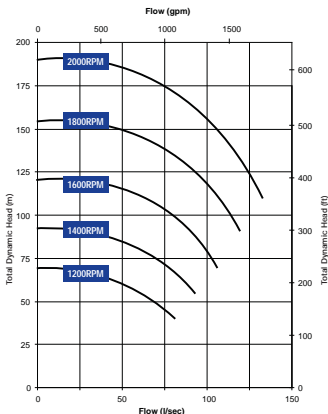
Telemetry



Autostart Float

Connections: Inlet	8" BS10
Discharge	6" ANSI 300
Solids Size	35mm
Engine	CAT C15
Nominal Speed	1800rpm
Rated Power	250-313kW
Fuel	50litres per hour
Tank Size	130litres
Standard Strainer	6"/8" S/C
L x W x H	4000 x 1832 x 2285mm
Operational Weight	4885kg

- Single point lift
- Fitted with quick release fuel couplings as standard



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL200M Hushpac (Decibeater)

Product Code: 217



This 8" SLD high head pump is skid mounted and is the UK's leading hush-pac quarry discharge pump. It is also available for water transfer and off shore applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



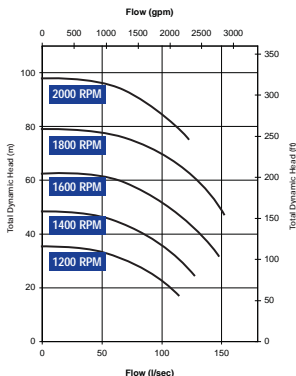
Telemetry



Autostart Float

Connections: Inlet	200mm QA
Discharge	150mm/PN16
Solids Size	38mm QA
Engine	CATERPILLAR C9
Nominal Speed	1600rpm
Rated Power	313kW
Fuel	56l/sec
Tank Size	625litres
Standard Strainer	6"/8" S/C
L x W x H	4950 x 2278 x 2764mm
Weight	7150kg
Operational Weight	7650kg
Sound Rating	77dBA at 7m

- Fitted with quick release fuel couplings as standard



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



High Head Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

10" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

HL250M

Product Code: 219



This SLD HL250m high head pump is skid mounted and is the UK's leading quarry discharge pump. It is also available for water transfer and off shore applications.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry

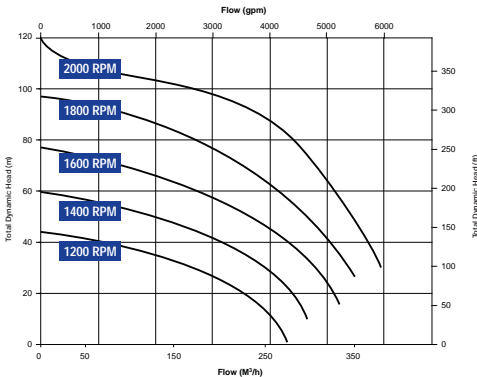


Autostart Float

Connections: Inlet	300mm BS10
Discharge	250mm/PN16
Solids Size	65mm
Engine	CAT C15
Nominal Speed	1800rpm
Rated Power	313kW
Fuel	66litres per hour
Tank Size	400litres
Standard Strainer	440mm basket strainer
L x W x H	4400 x 1804 x 2633mm
Operational Weight	5101kg

- Fitted with quick release fuel couplings as standard

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



This illustration is for guidance only.



Submersible Range

Electric Submersible Pump

Drainers and Solids Handling Sewage Pumps

Drainer (water /dirty water)

- Lightweight alloy and stainless steel body, slimline build with top outlet for tight spaces.
- Lightweight alloy body. For water, including dirty applications.

Waste (sewage / silt / sludge)

- These are tough cast iron submersible sewage pumps designed for sewer diversion work, tank emptying and handling soft sludges.
- They feature single channel impellers with good solids handling and pump efficiency.
- They are not designed for abrasive sludges.
- Humus sludges are best handled by the large pumps.
- The motors should be kept cool and as far as possible be submerged in free flowing liquid to assist cooling.
- The range of electric submersible pumps are supplied with 16-20mtrs cable and a motor starter.
- Float switches are available for automatic level control and to cut running costs.
- Extra cable lengths can be supplied and it is normal to use one size larger on long runs.
- An isolator switch must always be fitted close to the pump for servicing, handling etc.

Inverter Drives

To compliment our full range of starting equipment we have available a range of AC inverter drives. Generally housed in IP54 enclosures they give excellent protection against:

- Over current
- Motor overload
- Short circuit
- Over voltage
- Earth fault
- Under voltage
- Input phase loss
- Over temperature
- Output phase loss
- Motor stall

The inverter's ability to vary the speed of a motor and hence the flow, brings remarkable energy savings by optimising the flow according to varying process requirements. Full speed control also gives us current control. If for example when starting a motor direct on line the current can increase up to seven times the motor rating plate value. However, when using an inverter drive the normal full load current is never exceeded.

Starting currents have always caused problems when sizing generators, but with the innovation of the inverter drive this has been greatly eased. A rule of one to one has now been adopted - 1KVA for 1HP. Simply plug the inverter between the power supply and the pump in place of the starter.

Generators

Generators Sizing Tables

One of the main problems with generator sizing is motor start. When a motor starts high currents are present due to the high inductive load. Various methods of starting are introduced to reduce this problem, it is these factors which determine the size of the generator. Taking into consideration the above, the following table has been formulated to give an indication of the minimum kVA required and the actual generator which will be supplied.

When two or more pumps are driven by the same generator a simple rule of thumb is used: TAKE THE MIN kVA REQUIRED FOR THE LARGEST PUMP AND ADD IT TO THE HORSEPOWER OF THE NEXT PUMP.

For example, if a BS2151 and a BS2102 are required to run off the same generator: 85kVA + 7HP = 92kVA so a suitable generator would be 100kVA. Generator sizes can be reduced considerably if an inverter Drive is used as a method of starting. Tests have proven that a one for one factor can be used when this option is considered. For example, a BS2151 rated at 27 Horsepower would require a 27kVA generator and so on.

	Model	Kilowatt rating	H/Power	F.L.C (amps)	Start Method	Min kVA REQ.	Gen Set Supplied
1 110v	BS2052	0.8	1.0	10.0	DOL	3.0	6.5
2	BS2066	2.2	3.0	4.1	DOL	6.0	6.5
3	BS2102	5.2	7.0	10.0	DOL	14.0	15.0
4	BS2125	8.0	11.0	15.0	DOL	22.0	27.0
5	BS2151	20.0	27.0	35.0	DOL	85.0	85.0
6	BS2201	37.0	50.0	61.0	A/Tx	85.0	85.0
7	BS2250	55.0	73.0	96.0	ASD	150.0	150.0
8	CS3085	2.0	2.7	4.3	DOL	10.0	15.0
9	CS3102	3.1	4.0	6.4	DOL	10.0	15.0
10	CS3127	5.8	8.0	11.0	DOL	22.0	27.0
11	CS3152	13.5	18.0	25.0	DOL	35.0	40.0
12	CS3201	21.0	28.0	42.0	ASD	60.0	60.0
13	CD100M	7.5	10.0	15.5	DOL	22.0	27.0
14	CD150M	22.5	30.0	44.0	ASD	60.0	60.0
15 110v	Minex	0.9	1.2	12	DOL	4	6.5
16	Minette	2.0	2.8	4.4	DOL	8	12.5
17	Major N	6.1	8.2	12	DOL	17	20
18	Major H	5.6	7.6	11	DOL	17	20
19	Master H	8	11	15	DOL	17	20
20	Midi N	11	15	20	DOL	30	30
21	Matador N	19	26	34	DOL	60	60
22	Matador H	20	28	37	DOL	60	60
23	Maxi N	33	45	60	ASD	98	100

Models: Flygt Godwin Grindex



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

110v

2" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



BS2050 & BS2052 2"

Product Code: 143 & 142



Lightweight, alloy, 2,900 rpm. For water, including dirty applications. Pumps are supplied with 16-20m of cable and a motor starter. Float switches are available to cut running costs.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



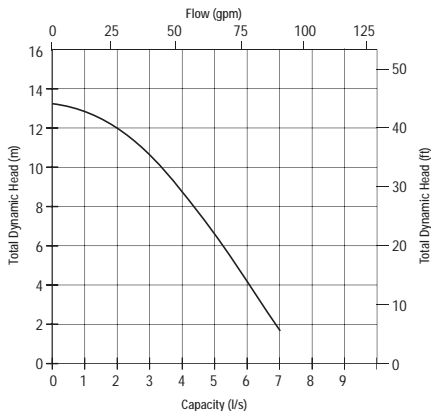
✓ Telemetry



✓ Autostart Float

Pumping Application	Dirty Water
Nominal Speed	2,900rpm
Rated Power	0.75kW (1hp)
Amps at Max. Flow	10amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/20m
Cable Type	I.D.S
Starter	D.O.L.
W x H	195 x 415mm
Weight with Cable and Starter	30kg
Must only use 2.5 or larger cable size	

- These units are normally available in 110v, 1ph only
- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

BS2066 3"

Product Code: 144



Lightweight, alloy, 2,900 rpm. For water, including dirty applications. Pumps are supplied with 16-20m of cable and a motor starter. Float switches are available to cut running costs.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



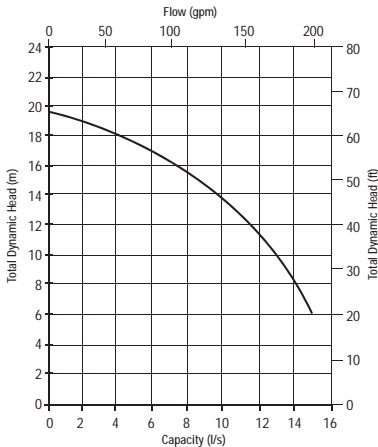
Telemetry



Autostart Float

Pumping Application	Dirty Water
Nominal Speed	2,900rpm
Rated Power	2.2kW (3hp)
Amps at Max. Flow	4.1amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/160m
Cable Type	I.D.S
Starter	D.O.L
W x H	400 x 535mm
Weight with Cable and Starter	41kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" x 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



BS2102 MT4" & HT3"

Product Code: 145



Lightweight, alloy, 2,900 rpm. For water, including dirty applications. Pumps are supplied with 16-20m of cable and a motor starter. Float switches are available to cut running costs.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



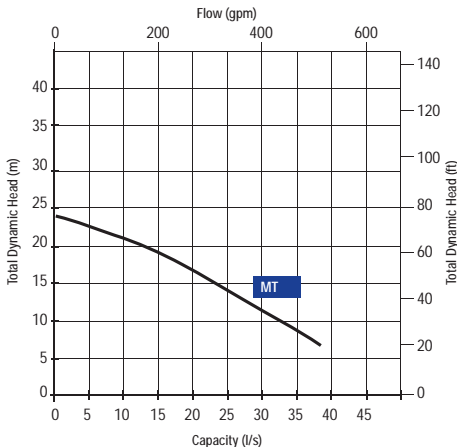
Telemetry



Autostart Float

Pumping Application	Dirty Water
Nominal Speed	2,900rpm
Rated Power	5.2kW (7hp)
Amps at Max. Flow	10amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/65m
Cable Type	I.D.S
Starter	D.O.L
W x H	420 x 510mm
Weight with Cable and Starter	58kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" x 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



BS2125 MT6" & HT3"

Product Code: 147 & 146



Lightweight, alloy, 2,900 rpm. For water, including dirty water applications. Pumps are supplied with 16-20m of cable and a motor starter. Float switches are available to cut running costs.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



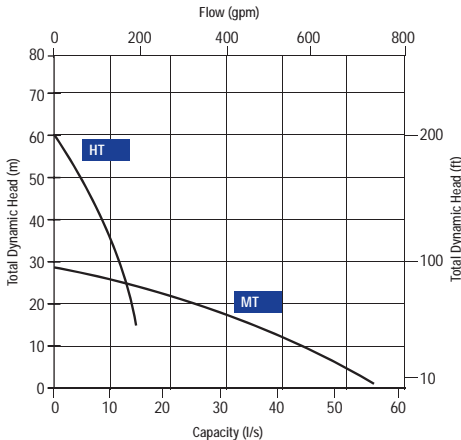
Telemetry



Autostart Float

Pumping Application	Dirty Water
Nominal Speed	2,900rpm
Rated Power	8kW (11hp)
Amps at Max. Flow	15amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20mMT/40mHT
Cable Type	I.D.S
Starter	D.O.L
W x H	515 x 485mm
Weight with Cable and Starter	100kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" x 4" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

BS2151 MT6" & HT4"

Product Code: 148 & 149



Lightweight, alloy, 2,900 rpm. For water, including dirty applications. Pumps are supplied with 16-20m of cable and a motor starter. Float switches are available to cut running costs.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



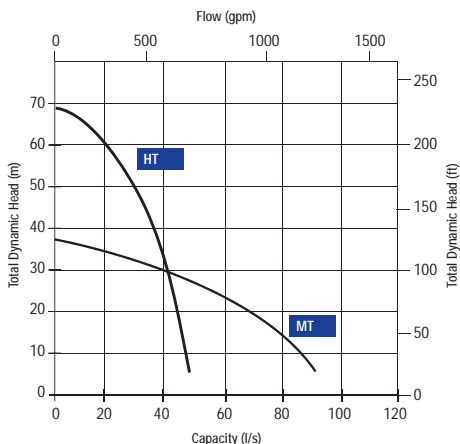
Telemetry



Autostart Float

Pumping Application	Dirty Water
Nominal Speed	2,900rpm
Rated Power	20kW (27hp)
Amps at Max. Flow	35amps
Cable Size Fitted	3 x 10mm ²
Cable Fitted Length/Max Length	20mMT/40mHT
Cable Type	I.D.S
Starter	D.O.L
W x H	635 x 750mm
Weight with Cable and Starter	190kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

GSP 35 3"

Product Code: 168



A tough, portable, compact pump, ideal for construction dewatering, tunnelling, raw water and industrial process applications.

Slimline design complete with top central discharge.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



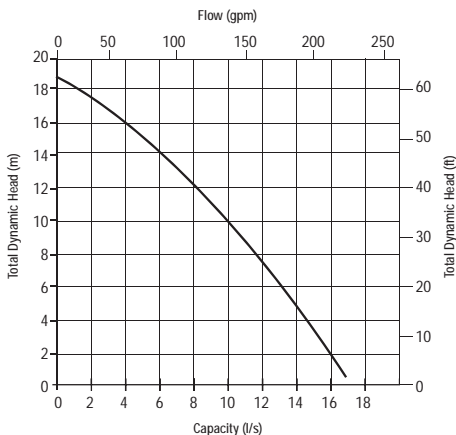
Telemetry



Autostart Float

Solids Size	Dirty Water (7.5mm dia.)
Nominal Speed	2,900rpm
Rated Power	2.7kW (3.5hp)
Amps at Max. Flow	4.6amps
Cable Size Fitted	3 x 2.5mm
Cable Fitted Length/Max Length	20m/150m
Cable Type	IDS
Starter	DOL
W x H	236mm x 535mm
Weight without Cable and Starter	25kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

GSP 80HV 4"

Product Code: 169



A tough, portable, compact pump, ideal for construction dewatering, tunnelling, raw water and industrial process applications.

Slimline design complete with top central discharge.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



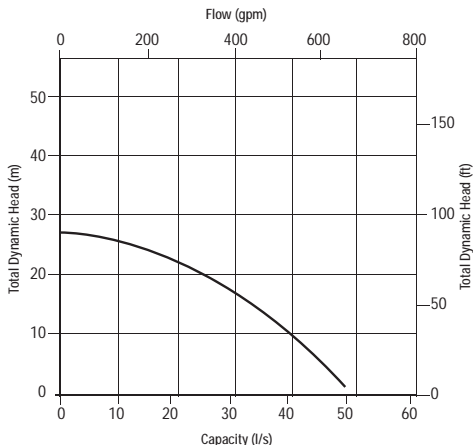
✓ Telemetry



✓ Autostart Float

Solids Size	Dirty Water (8.5mm solids)
Nominal Speed	2,900rpm
Rated Power	7.6kW (10.19hp)
Amps at Max. Flow	12amps
Cable Size Fitted	3 x 2.5mm
Cable Fitted Length/Max Length	20m/60m
Cable Type	IDS
Starter	DOL
W x H	277mm x 640mm
Weight without Cable and Starter	49kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

GSP 160HV 6"

Product Code: 170



A tough, portable, compact pump, ideal for construction dewatering, tunnelling, raw water and industrial process applications.

Slimline design complete with top central discharge.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



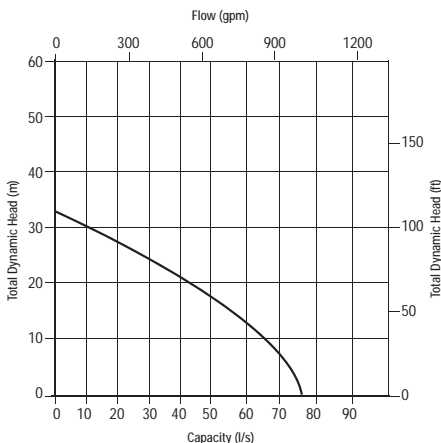
Telemetry



Autostart Float

Solids Size	Dirty Water
Nominal Speed	2,900rpm
Rated Power	13kW (17.5hp)
Amps at Max. Flow	21amps
Cable Size Fitted	3 x 6mm
Cable Fitted Length/Max Length	20m/75m
Cable Type	IDS
Starter	DOL
W x H	389mm x 875mm
Weight without Cable and Starter	120kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

GSP 300HV 6"

Product Code: 171



A tough, portable, compact pump, ideal for construction dewatering, tunnelling, raw water and industrial process applications.

Slimline design complete with top central discharge.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



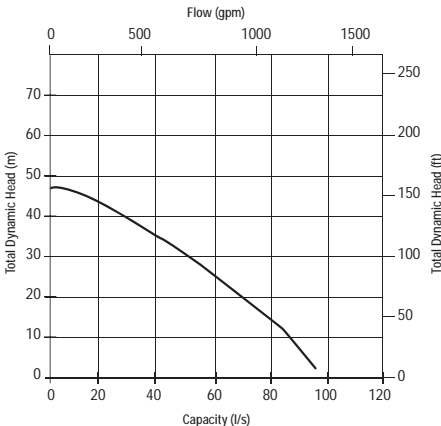
Telemetry



Autostart Float

Solids Size	Dirty Water (12mm)
Nominal Speed	2,900rpm
Rated Power	24kW (32.18hp)
Amps at Max. Flow	38amps
Cable Size Fitted	3 x 10mm/twin 3 x 6mm
Cable Fitted Length/Max Length	20m/70m
Cable Type	IDS
Starter	DOL/Star Delta
W x H	408mm x 995mm
Weight without Cable and Starter	160kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CS3085 MT 3"

Product Code: 184



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



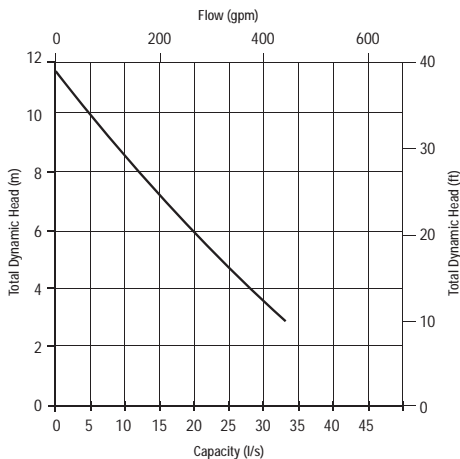
Telemetry



Autostart Float

Solids Size	76mm, impeller 432
Nominal Speed	1450rpm
Rated Power	2kW (2.7hp)
Amps at Max. Flow	4.3amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/150m
Cable Type	I.D.S
Starter	D.O.L
W x H	480 x 603mm
Operational Weight	75kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" & 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



CS3102 MT 4" & CS3102 HT 3"

Product Code: 185 & 189



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Two models available in this range CS3102MT 4" and CS3102HT 3".

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



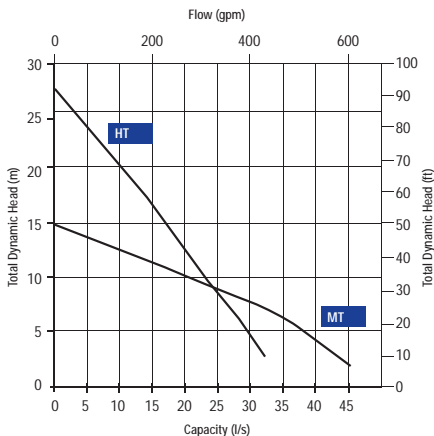
✓ Telemetry



✓ Autostart Float

Solids Size	76mm impeller 430/52mm impeller 252
Nominal Speed	1450rpm/2850rpm
Rated Power	3.1kW (4hp)/4.4kW (5.9hp)
Amps at Max. Flow	6.4amps/8.5amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/100m
Cable Type	I.D.S
Starter	D.O.L
W x H	400 x 535mm
Operational Weight	116kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



CS3127 6"

Product Code: **188**



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



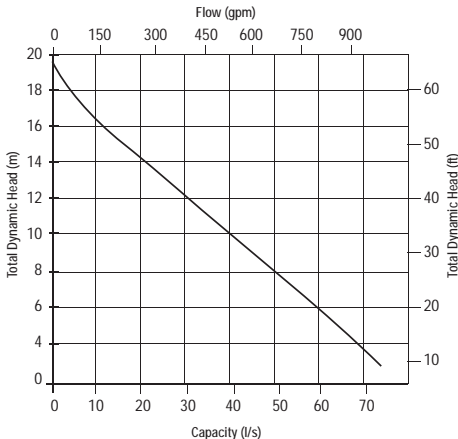
Telemetry



Autostart Float

Solids Size	100mm, impeller 430
Nominal Speed	1450rpm
Rated Power	5.9kW (8hp)
Amps at Max. Flow	11amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20m/60m
Cable Type	I.D.S
Starter	D.O.L
W x H	780 x 980mm
Operational Weight	175kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



CS3152 6"

Product Code: 186



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



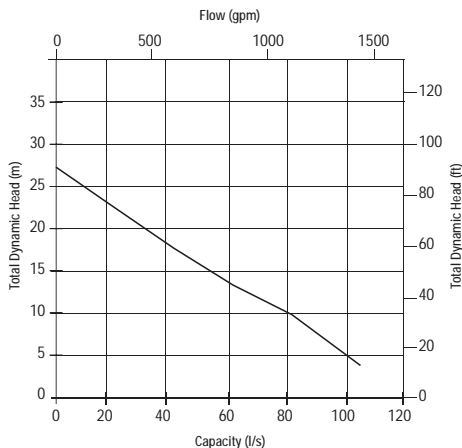
Telemetry



Autostart Float

Solids Size	100mm, impeller 430
Nominal Speed	1450rpm
Rated Power	13.5kW (18hp)
Amps at Max. Flow	25amps
Cable Size Fitted	3 x 6.0mm ²
Cable Fitted Length/Max Length	20m/70m
Cable Type	I.D.S
Starter	D.O.L
W x H	915 x 1245mm
Operational Weight	323kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CS3201 8"

Product Code: 187



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



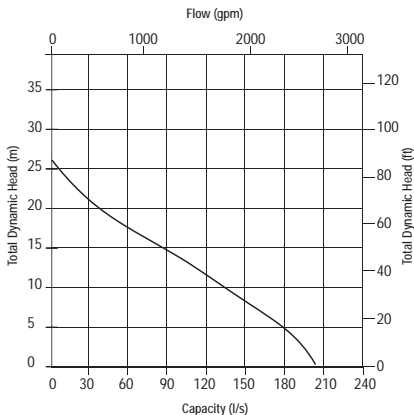
✓ Telemetry



✓ Autostart Float

Solids Size	125mm, impeller 630
Nominal Speed	960rpm
Rated Power	22kW (28hp)
Amps at Max. Flow	42amps
Cable Size Fitted	3 x 6.0mm ²
Cable Fitted Length/Max Length	20m/65m
Cable Type	I.D.S
Starter	S/D
W x H	1170 x 1470mm
Operational Weight	588kg
Autotransformer starter	75kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

10" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



CS3300 10"

Product Code: 152



This is a cast iron pump with an open impeller and is ideal for sludges and sewerage type applications. These units can be supplied with float switches for automatic operation.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



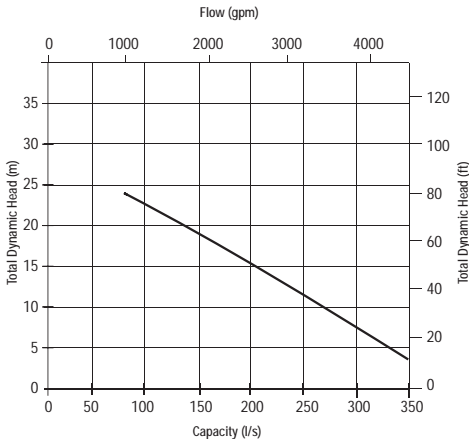
Telemetry



Autostart Float

Solids Size	190mm, impeller 632
Nominal Speed	970rpm
Rated Power	44kW (58hp)
Amps at Max. Flow	79amps
Cable Size Fitted	3 x 16mm ²
Cable Fitted Length/Max Length	twin run 20m/180m
Cable Type	I.D.S
Starter	S/D
W x H	1440 x 1920mm
Operational Weight	1218kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

MSP4-200.0-4 28kW

Product Code: 129



The MSP Pumps are designed for water and wastewater applications; portable, wet pit, and fixed dry pit installations, featuring an adjustable Wear Ring System, Quick-Change Cartridge Double Mechanical Seal. The pumps are equipped with High Efficiency Motors, Class H insulation, VFD rated, with Thermal Overload Protection and motor and seal Moisture Detection Probes.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



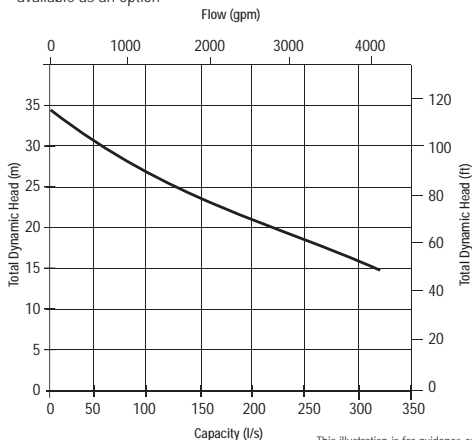
✓ Telemetry



✓ Autostart Float

Solids Size	100mm, impeller 270
Nominal Speed	1450rpm
Rated Power	28kW
Amps at Max. Flow	55.3amps
Cable Size Fitted	4 x 16mm ² + 4 x 1.5mm ²
Cable Length Fitted	20m
Cable Type	NSSHOU
Starter	DOL
W x H	650 x 1437mm
Operational Weight	432kg

- Extra cable is available upon request. Consult your local SLD depot
- A unique integral, self contained maintenance free cooling system is available as an option



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

MSP4-200.0-6 30kW

Product Code: 130



The MSP Pumps are designed for water and wastewater applications; portable, wet pit, and fixed dry pit installations, featuring an adjustable Wear Ring System, Quick-Change Cartridge Double Mechanical Seal. The pumps are equipped with High Efficiency Motors, Class H insulation, VFD rated, with Thermal Overload Protection and motor and seal Moisture Detection Probes.

Accessories



✓ Hoses



• Drip Tray



✓ Adaptors



✓ Settlement Tank



• Strainer



• Fuel Tank



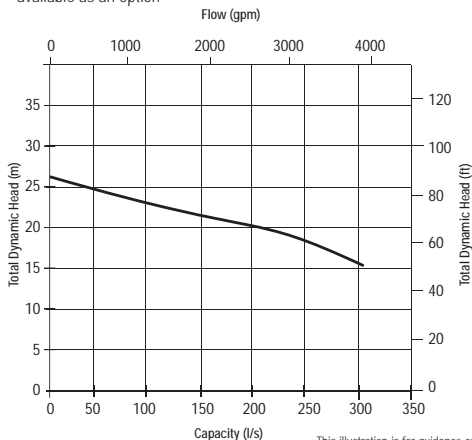
✓ Telemetry



✓ Autostart Float

Solids Size	100mm, impeller 368
Nominal Speed	970rpm
Rated Power	30kW
Amps at Max. Flow	57amps
Cable Size Fitted	4 x 16mm ² + 4 x 1.5mm ²
Cable Length Fitted	20m
Cable Type	NSSHOU
Starter	DOL
W x H	650 x 1637mm
Operational Weight	759kg

- Extra cable is available upon request. Consult your local SLD depot
- A unique integral, self contained maintenance free cooling system is available as an option



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

MSP4-200.0-4 45kW

Product Code: 131



The MSP Pumps are designed for water and wastewater applications; portable, wet pit, and fixed dry pit installations, featuring an adjustable Wear Ring System, Quick-Change Cartridge Double Mechanical Seal. The pumps are equipped with High Efficiency Motors, Class H insulation, VFD rated, with Thermal Overload Protection and motor and seal Moisture Detection Probes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



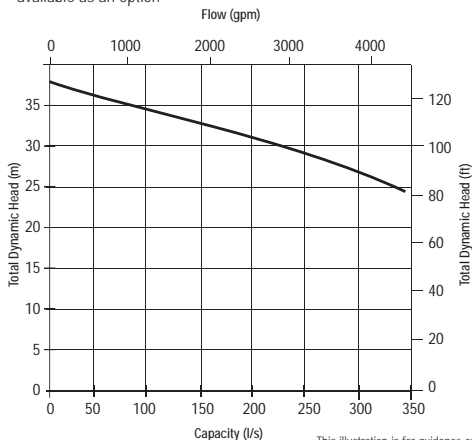
Telemetry



Autostart Float

Solids Size	100mm, impeller 313
Nominal Speed	1470rpm
Rated Power	45kW
Amps at Max. Flow	82amps
Cable Size Fitted	4 x 25mm ² + 4 x 1.5mm ²
Cable Length Fitted	20m
Cable Type	NSSHOU
Starter	DOL
W x H	650 x 1637mm
Operational Weight	749kg

- Extra cable is available upon request. Consult your local SLD depot
- A unique integral, self contained maintenance free cooling system is available as an option



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

MSP4-200.0-4 55kW

Product Code: 132



The MSP Pumps are designed for water and wastewater applications; portable, wet pit, and fixed dry pit installations, featuring an adjustable Wear Ring System, Quick-Change Cartridge Double Mechanical Seal. The pumps are equipped with High Efficiency Motors, Class H insulation, VFD rated, with Thermal Overload Protection and motor and seal Moisture Detection Probes.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



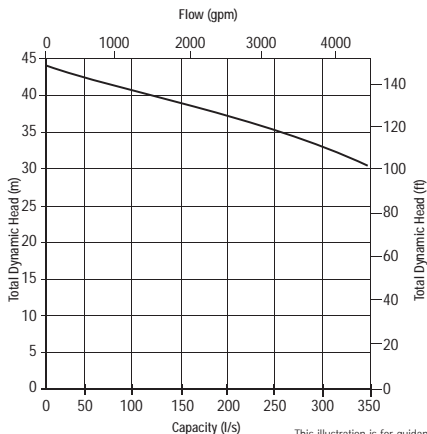
✓ Telemetry



✓ Autostart Float

Solids Size	100mm, impeller 335
Nominal Speed	1450rpm
Rated Power	55kW
Amps at Max. Flow	98amps
Cable Size Fitted	4 x 35mm ² + 4 x 1.5mm ²
Cable Length Fitted	20m
Cable Type	NSSHOU
Starter	DOL
W x H	650 x 1637mm
Operational Weight	774kg

- Extra cable is available upon request. Consult your local SLD depot
- A unique integral, self contained maintenance free cooling system is available as an option



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

110v

2" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Micro

Product Code: 172



The Micro pump excels in applications where reliability and easy handling are essential. They are built to handle contaminated water, pH 3-9, and water containing relatively abrasive solids up to the size of 5mm.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



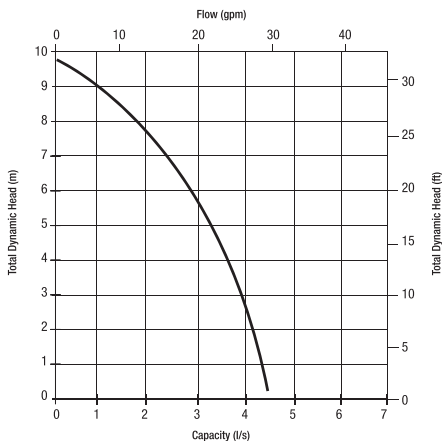
Telemetry



Autostart Float

Pumping Application	Dirty Water (5mm x 11mm)
Nominal Speed	2,900rpm
Rated Power	0.50kW
Amps at Max Flow	5.1amps
Cable Size Fitted	3 x 2.5mm ²
Cable Length Fitted	10m
Cable Type	H07RN-F
Starter	D.O.L.
W x H	185mm x 400mm
Weight with cable	10kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

110v

2" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Minex Lite

Product Code: 154



The Minex pump is the smallest model in the drainage range, but it shares all important features and benefits with the larger models, resulting in the lowest cost per cubic meter pumped. The revolutionary hydraulic design ensures high wear resistance and dramatically reduces performance drop due to long time wear.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



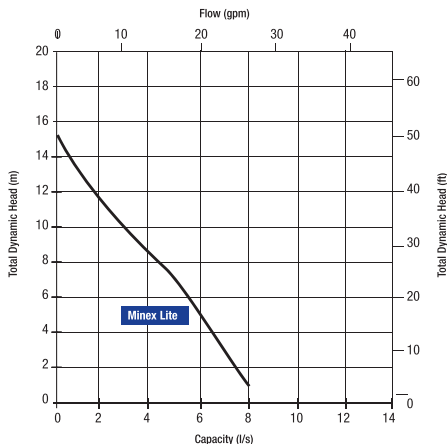
Telemetry



Autostart Float

Pumping Application	Dirty Water (7.5mm)
Nominal Speed	2,900rpm
Rated Power	0.9kW
Amps at Max Flow	11amps
Cable Size Fitted	2.5mm ²
Cable Length Fitted	20m
Cable Type	H07RN-F
Starter	D.O.L.
W x H	195mm x 570mm
Weight with cable	17kg
Must only use 2.5 or larger cable size	

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" & 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Major N & H

Product Code: 157N & 156H



The Major pump is one of the more popular models in the drainage range, and it shares all important features and benefits with the other models, resulting in the lowest cost per cubic meter pumped. The revolutionary hydraulic design ensures high wear resistance and dramatically reduces performance drop due to long time wear.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



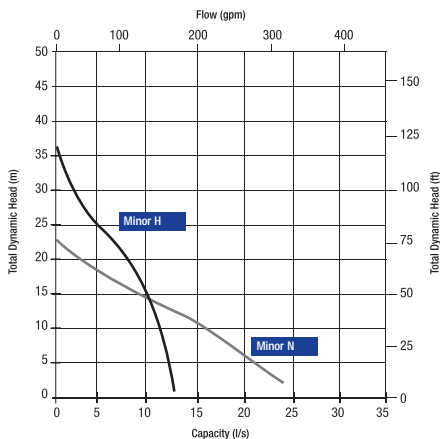
Telemetry



Autostart Float

Pumping Application	Dirty Water (10mm)
Nominal Speed	2,900rpm
Rated Power	6.10kW
Amps at Max Flow	11amps
Cable Size Fitted	3 x 2.5mm ²
Cable Fitted Length/Max Length	20mN 40mH/50m
Cable Type	NSSHOU (IDS)
Starter	D.O.L.
W x H	286mm x 793mm
Weight with cable	54kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" & 4" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Matador N & H

Product Code: 159N & 158H



The Matador pump is a versatile drainage pump that shares all important features and benefits with the other models, resulting in the lowest cost per cubic meter pumped. The revolutionary hydraulic design ensures high wear resistance and dramatically reduces performance drop due to long time wear.

Accessories



✓ Hoses



○ Drip Tray



✓ Adaptors



✓ Settlement Tank



○ Strainer



○ Fuel Tank



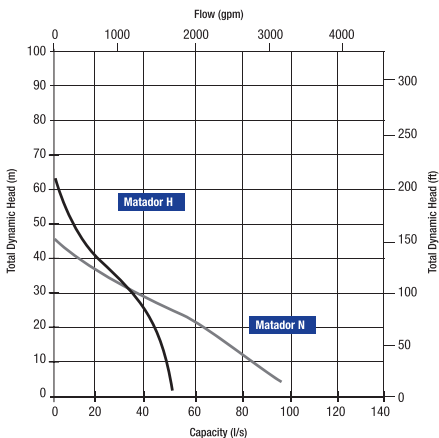
✓ Telemetry



✓ Autostart Float

Pumping Application	Dirty Water (12mm)
Nominal Speed	2,900rpm
Rated Power	20kW
Amps at Max Flow	32amps
Cable Size Fitted	3 x 10mm ²
Cable Fitted Length/Max Length	20mMT 40mHT/70m
Cable Type	NSSHOU (IDS)
Starter	D.O.L. / Built-In Star-Delta
W x H	395mm x 954mm
Weight with cable	160kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

8" & 4" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Maxi N, H & L

Product Code: 160



The second biggest pump in the drainage range. Over the years the Maxi pump has proven to be the ideal pump for heavy duty drainage applications in all kinds of segments. Be it Construction, Mining or Industrial applications, the robust and reliable design combined with the ease-of-maintenance make it the pump of choice for hundreds of customers around the world.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



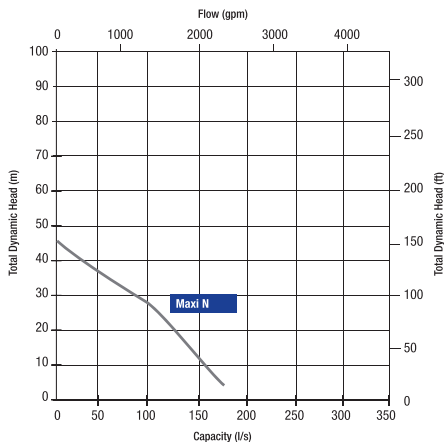
Telemetry



Autostart Float

Pumping Application	Dirty Water (12mm)
Nominal Speed	2,900rpm
Rated Power	33kW/41kW/34kW
Amps at Max Flow	65amps
Cable Size Fitted	3 x 10mm ²
Cable Fitted Length/Max Length	20m/75m
Cable Type	NSSHOU (IDS)
Starter	D.O.L. / Soft Start
W x H	510mm x 1345mm
Weight with cable	285kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Submersible Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

10" & 8" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Magnum N, H & L

Product Code: 173



The biggest pump in the drainage range. Launched in the year 2000, the Magnum pump has proven to be the ideal pump for heavy duty drainage applications in all kinds of segments. Be it Construction, Mining or Industrial applications, the robust and reliable design combined with the ease-of-maintenance make it the pump of choice for hundreds of customers around the world.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



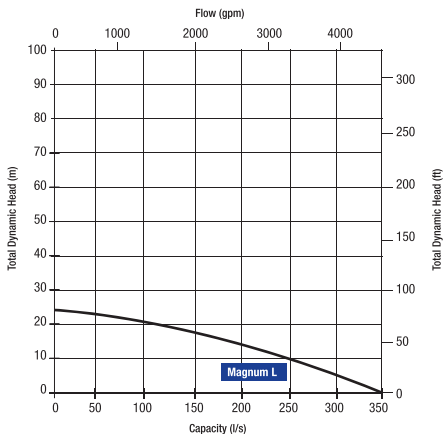
Telemetry



Autostart Float

Pumping Application	Dirty Water (12mm)
Nominal Speed	1450rpm
Rated Power	57kW
Amps at Max Flow	107amps
Cable Size Fitted	3 x 25mm ²
Cable Fitted Length	20m
Cable Type	NSSHOU (IDS)
Starter	D.O.L. / Soft Start
W x H	750mm x 1475mm
Weight with cable	540kg

- Extra cable is available upon request. Consult your local SLD depot



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Heidra 80Q 3"

Product Code: 400 & 401



This 3" diesel driven Q Pack pump has hydraulic technology to power the wet end. It is ideal for sewerage and drainage applications and must be used when suction lift limitations apply.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



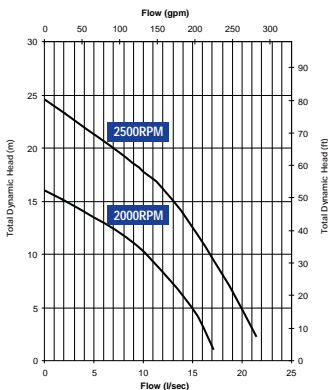
Telemetry



Autostart Float

Solids Size	45mm
Engine	PERKINS P102
Nominal Speed	1500-2500rpm
Rated Power	5.2kW
Fuel	0.95litres per hour
Tank Size	50litres
Standard Strainer	Integral with pump
L x W x H Power Pack	1365 x 990 x 1230mm
L x W x H Pump End	354 x 404 x 555mm
Operational Weight	450kg power pack 67kg pump end
Sound Rating	65dBA at 7m at 1500rpm

- SLD hydraulic technology
- Standard length of hydraulic hose 20m - additional hose available



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

Heidra 100 4"/100Q 4"

Product Code: 402



This 4" diesel driven Q Pack pump has hydraulic technology to power the wet end. It is ideal for sewerage and drainage applications where the depth of liquid is too great for a standard suction pump.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



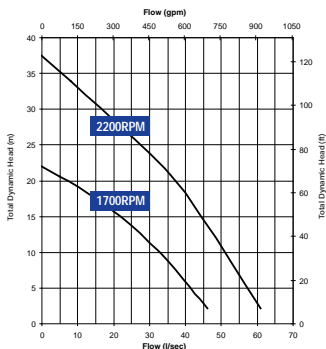
Telemetry



Autostart Float

Solids Size	65mm
Engine	PERKINS P104-404C
Nominal Speed	1700-2400rpm
Rated Power	31kW
Fuel	4.0litres per hour
Tank Size	155litres
Standard Strainer	Integral with pump
L x W x H Pump End	580 x 515 x 680mm
L x W x H Power Pack	2090 x 1240 x 2000mm
Operational Weight	940kg power pack 150kg pump cast iron 67kg pump aluminium
Sound Rating Perkins	70dBA at 7m at 1500rpm

- SLD hydraulic technology
- Standard length of hydraulic hose 20m - additional hose available



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Heidra 150 6"/150Q 6"

Product Code: 408/409



This 6" diesel driven Q Pack pump has hydraulic technology to power the wet end. It is ideal for sewerage and drainage applications where the depth of liquid is too great for a standard suction pump.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



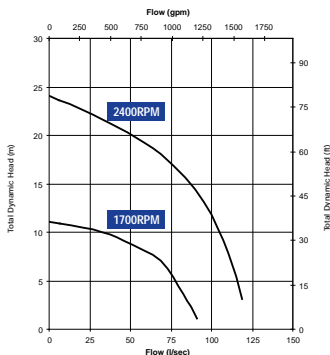
Telemetry



Autostart Float

Solids Size	45mm
Engine	PERKINS P103-403C
Nominal Speed	1700-2000rpm
Rated Power	15kW
Fuel	2.5litres per hour
Tank Size	80litres
Standard Strainer	Integral with pump
L x W x H Pump End	605 x 420 x 420mm
L x W x H Power Pack	1765 x 1015 x 1950mm
Operational Weight	620kg power pack 64kg pump cast iron 46kg pump aluminium
Sound Rating Perkins	69dBA at 7m at 1500rpm

- SLD hydraulic technology
- Standard length of hydraulic hose 20m - additional hose available



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

3" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Heidra 80 Hushpac

Product Code: 414



This 3" diesel driven hushpac (decibeater) super silent pump.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



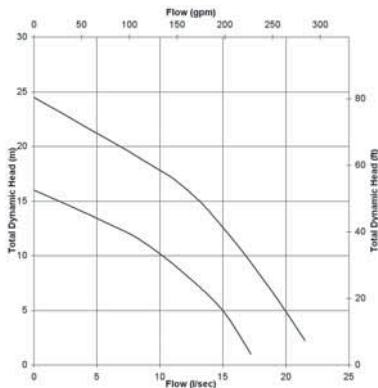
Telemetry



Autostart Float

Solids Size	40mm
Engine	KUBOTA Z482
Nominal Speed	1500-2400rpm
Rated Power	5.2kW
Fuel	0.95litres per hour
Tank Size	80litres
Standard Strainer	Integral with pump
L x W x H Power Pack	1780 x 840 x 1360mm
L x W x H Pump End	354 x 404 x 555mm
Operational Weight	800kg power pack 67kg pump end cast iron
Sound Rating	57dBA at 7m at 200rpm

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



This illustration is for guidance only.



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Heidra 100 Hushpac

Product Code: 417



This 4" diesel driven hushpac (decibeater) super silent pump.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



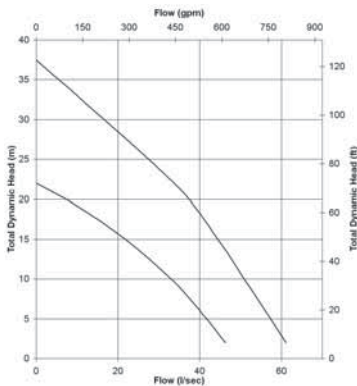
Telemetry



Autostart Float

Solids Size	45mm
Engine	PERKINS P403-15
Nominal Speed	1700-2200rpm
Rated Power	17kW
Fuel	2.5litres per hour
Tank Size	145litres
Standard Strainer	Integral with pump
L x W x H Power Pack	605 x 420 x 420mm
L x W x H Pump End	1940 x 1050 x 1500mm
Operational Weight	1005kg power pack 64kg pump cast iron 46kg pump aluminium
Sound Rating	65dBA at 7m

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



This illustration is for guidance only.



Hydraulic Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Heidra 150 Hushpac

Product Code: 418



This 6" diesel driven hushpac (decibeater) super silent pump.

Uses biodegradable oils for environmental purposes.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



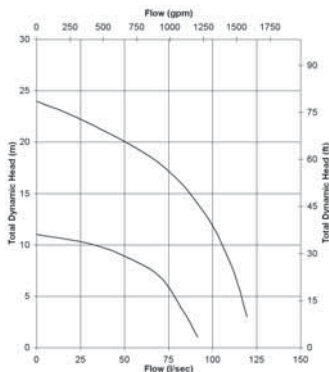
Telemetry



Autostart Float

Solids Size	65mm
Engine	PERKINS P404-22
Nominal Speed	1700 - 2400rpm
Rated Power	28kW
Fuel	4.0litres per hour
Tank Size	170litres
Standard Strainer	Integral with pump
L x W x H Power Pack	580 x 515 x 680mm
L x W x H Pump End	2190 x 1050 x 1500mm
Operational Weight	1108kg power pack 150kg pump cast iron 67kg pump aluminium
Sound Rating Perkins	64dBA at 7m

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



This illustration is for guidance only.



Air Operated Pump Range

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

1" x 2" x 3" Sizes

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

Blagdon Air Driven Pumps B25, B50 and B75 (1" 2" 3")

Product Code: 190, 201 & 204



These are versatile compact and portable pumps, capable of a wide variety of applications in:-

Industry Civil Engineering

Effluent Transfer, Chemicals, Petrochemical and Shipbuilding
Dewatering excavations, Deep shafts, Tunnelling and
Confined Spaces

Water Industry Utilities

Mains filling and testing, Mains disinfection
Hydrostatic testing

Suitable for some Food grade uses or aggressive liquid transfer, with minimum product agitation. Details on request. Check before use. Suitable for bulk diesel and oil transfer.

Will pump water, oils and fuels, viscous liquids and light slurries, (without suspended solids.) Self-priming, can run dry without damage, suitable for High Head applications. Good air-handling properties and can provide instant control of flows, by closing off discharge or air supply. Stalls without damage.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry



Autostart Float

Solids Size Small solids and slurries

Air Line Connection 3/4" B.S.P.

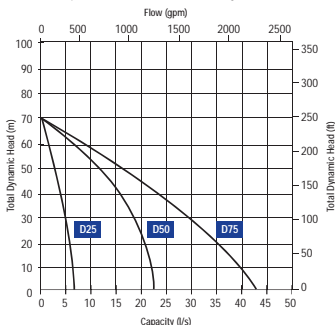
40cfm and 70cfm compressor needed to run these units.

On suction lifts a medium strainer is recommended-an integral strainer can be supplied for submerged operation.

Weights	B25 - Alloy - 16kg	B25 - Iron - 35kg
	B50 - Alloy - 38kg	B50 - Iron - 64kg
	B75 - Alloy - 52kg	B75 - Iron - 98kg

SLD air operated double diaphragm pumps:-

- Are safe in hazardous areas: air driven, no sparks
- Are self-priming up to 6 metres
- Can be fully submersible
- Can run dry without damage
- Are pressure balanced, will stall if discharge is closed and restart when opened, this avoids heat build-up and wear
- Have minimum product agitation
- Portable and compact and can be remotely controlled



This illustration is for guidance only.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Pressure Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe Selection Guides



Pressure Test Pump

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

Flexian Fill 'n' Test Pump

Product Code: 299



Fill 'n' Test Pump with Integral Reservoir. The Flexian Fill 'n' Test pump has been specially designed for the mobile pressure testing of pipe work.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry



Autostart Float

Engine	Petrol or electric sets are available
L x W x H	100 x 650 x 640mm
Dry Weight	105kg
The unit is supplied with: 5m of 1" suction hose with a fine strainer 5m of 3/4" 500psi delivery hose with a B.S.P. male conn. and quick release fitting at the pump.	
Flow Range	12gpm filling reducing to 3gpm when testing (3-0.8m ³ /h)
Pressure Range	15-500psi (1-35bar)
Under special conditions this may be extended to 1,200psi by removing the ejector and plugging off and changing the discharge hose, relief spring and pressure gauge.	

The reservoir is kept full at all times by a hose or by hand. The suction hose may be used to pick up raw water or the hose may be put in the reservoir.

The pressure is pre-set by turning the control knob. The knob may be replaced with locknuts. The customer must supply and fit his own test gauge and relief valve on this system.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



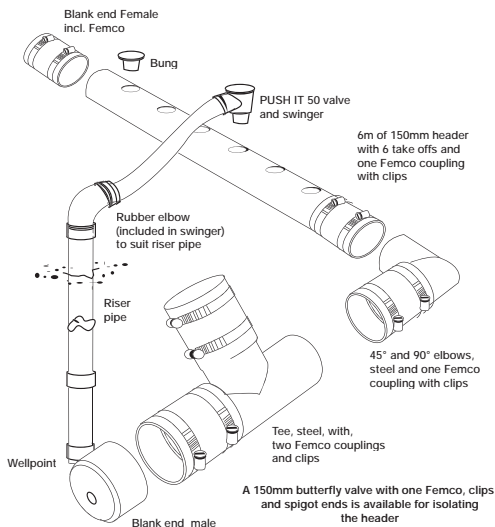
Ground Water Engineering

Working in wet and unstable ground can be overcome by Wellpoint Dewatering and deep wells. Removal of the ground water will stabilise the soil and the sides of the excavation. It can also relieve artesian pressure.

Modern equipment gives airtight joints without the use of spanners.

Pushfit valves and swingers make tight, easy to control systems.

Diesel & Electric Range
High Head Range
Electric Submersible Range
Hydraulic Range
Air Operated Pump Range
Wellpointing
Accessories
Hoses & Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump Selection Guide

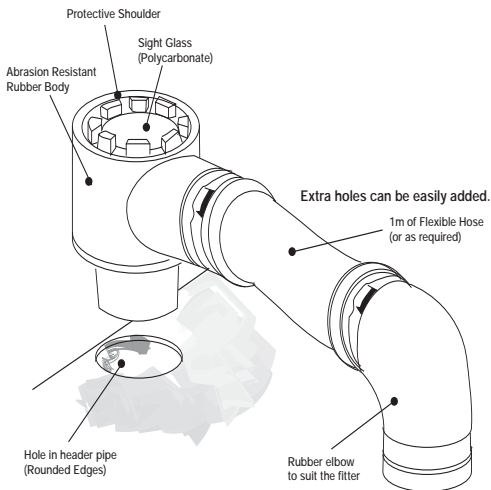


SLD Pushfit 50 Valve and Swinger

The SLD Pushfit valve and swinger is made in tough, all weather rubber for use and handling in rough conditions. The sight-glass is polycarbonate (as used in bullet-proof windows) with only three parts, the valve can be dismantled for cleaning by hand. The header pipe has simple clean holes without protrusions, which makes it easy and safe to transport without damage. Extra holes can be easily added.

The Valve

The aperture is designed to be as 'round' as possible to reduce nuisance blocking by sand particles when partly closed, which is a problem with gate and disc valves. Max flow 7m³/h.



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Wellpointing

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

4" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

CD100MV

Product Code: 247



This pump is ideal for jetting or high pressure water transfer applications. This unit is available in both fast tow and skid mounted versions.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry



Autostart Float

Solids Size	45mm
Engine	PERKINS 403-15
Nominal Speed	1700-2200rpm
Rated Power	8-18kW
Running Period	40 hours at normal operating speed
Tank size	160litres
Standard Strainer	Fine
L x W x H	2000 x 1100 x 1480mm
Operational Weight	1345kg
Sound Rating	62dBA at 7m

- SLD Dri-Prime technology
- Silenced to 62dBA at 7m
- Compact design
- Fuel efficient
- Fully bundled
- Auto float operation



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Wellpointing

- Diesel
- Electric
- Pneumatic
- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage



Powervac TR150

Product Code: 246



The SLD POWERVAC 6" Wellpoint Pump delivers 90cfm air and a suction lift to 33ft., at slow speed. 60 - 100 points (up to 200 points are handled often) are possible under most conditions. Quiet running and fuel savings of up to 500 litres per week make this a very attractive unit.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry



Autostart Float

Wt. Decibeater	860kg dry
Wt. Site Pack	750kg dry
L x W x H	1550 x 900 x 1100mm

Electric Sets: 15hp/415/3/50, D.O.L. Starter.

We generally find that we need fewer pumps when using the TR150 POWERVAC than when using older less efficient designs.



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pressure Jetting/Cleaning

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides

Mustang

Product Code: 297



These Jetting units, use mainly water cooled engines the sets are much quieter than the earlier air cooled engines and have a much better sounds quality. A full range of cleaners, jets, guns and pressure testing equipment available.

Pressure & Flow	3000psi @3.3gpm
Pump	Triplex ceramic plunger, cartridge valves
Engine	PERKINS, 3 cylinder 13bhp @ 2000rpm or KUBOTA at 3500rpm water cooled diesel
Water Tank	30 gallons nominal
Frame	Box section steel shot blasted and powder coated
Hose	100ft
Weight	Dry weight from 680kg dry, 950kg full
L x W x H	3200mm x 1460mm x 1150mm

- Dry shot gun - chemical injection
- Ideal for tank, boiler, stonework and marine cleaning
- 110-240 volt generator

Cyclone

Product Code: 273



The Cyclone used for smaller jobs. Can be used with up to 180ft hose. Suction from drum or a main feed.

Pressure & Flow	2000psi @4gpm
Pump	Triplex ceramic plunger, cartridge valves
Engine	PERKINS, 3 cylinder 13bhp @ 2000rpm
Water Tank	30 gallons nominal
Frame	Steel shot blasted and powder coated
Hose	60ft
Weight	95kg
L x W x H	930mm x 590mm x 750mm

- Dry shot gun - chemical injection
- 110-240 volt generator

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pressure Jetting/Cleaning

- Diesel
- Electric
- Pneumatic

- Super Silent
- Q Pack (quiet)

6" Size

- Water
- Sludge
- Oil/Fuel
- Chemical
- Sewage

DTB 500

Product Code: 286



The DTB trailer unit is a highly versatile mobile high-pressure water jetting unit which offers the benefits of proven power pack and pump performance with a comprehensive range of easy to use accessories. Developed with a wide range of water jetting application, the unit has been meticulously designed for safe and efficient use.

Accessories



Hoses



Drip Tray



Adaptors



Settlement Tank



Strainer



Fuel Tank



Telemetry



Autostart Float

Pressure & Flow	3500psi @ 16gpm 4000psi @12gpm, 5000psi @9gpm, 6000psi @7gpm
Pump	Harben® 'P' type radial piston diaphragm
Engine	YANMAR 45hp water cooled diesel
Water Tank	Twin interconnected tanks, total capacity of 500 litres (110 gallons)
Frame	Box section steel shot blasted and powder coated
Hose Reel	Variable-speed hydraulic-rewind hose reel with 100m high-pressure hose capacity 90m hose included
Weight	Dry weight from 970kg dry, 1470kg full
L x W x H	3323mm x 1710mm x 1380mm
Build Options	Echo™ radio remote control, hard wire remote control, jump jet™ kit, inlet hose reel

- Proven Harben® reliability
- Ideal for unblocking, descaling and root cutting
- 500 litre (110 gallon) water tanks
- Drains up to 300mm diameter

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hoses

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hoses

SLD Hose Assemblies - Working Pressures

Hose Size	W/A Suc/Del hose	Poly Del hose	Light Steel Galvanised Bauer Pipe	Yellow Layflat	Dark Blue Layflat
2"	10bar	10bar	12bar	6.5bar	4bar
3"	10bar	10bar	12bar	5.5bar	4bar
4"	8bar	7bar	12bar	5.5bar	4bar
6"	5bar	3bar	12bar	on request	3bar
8"	3.5bar	2.5bar	12bar	on request	3bar

Type	Size
Layflat	2"-8"
Poly Hose	2"-12"
Galvanised Steel Pipe	2"-12"
Wire Armoured	2"-12"
Hire Pressure Hose	2"-8"



Adaptors

Type	Size
Layflat	2"-8"
Gate Valves	2"-12"
Flanged Reducers	2"-12"
Bauered Enlargers	2"-12"
Y Pieces	2"-12"
T Pieces	2"-12"
45° Bauer Bends	2"-12"
90° Bauer Bends	2"-12"



Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



Hose Ramps

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Hose Ramps (Road Ramps)



SLD Road Ramps provide a temporary crossing for low-traffic industrial, mining, commercial and residential areas where vehicular access over a pipeline is required.

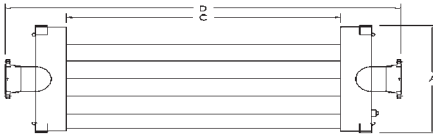
With everything from pumps, valves, hoses and road ramps, SLD can completely outfit your temporary and long term project needs.



Features

- Sturdy structural steel construction
- Passable vehicle width of 12'
- Low profile for easy crossing
- Capable of passing solids and fitted with 150lb flanged inlet and outlet connections
- Drain valve provides capability to drain ramp after use
- Maximum pressure rating of 80psi
- Sturdy, stackable construction enable easy storage

Size	A	B	C	D	E	F	Max. Capacity (GPM)	Solids Passing Capacity	Approx. Weight (lbs)	Est. Equiv. Length
4"	24.75"	14.5"	144"	166"	6.125"	3"	500	2.5"	650	60'
6"	30.75"	15.5"	144"	172"	6.125"	3"	1,000	2.5"	850	90'
8"	36.5"	19"	144"	176"	8"	3"	2,000	2.5"	1,900	120'
12"	61"	24"	144"	180.5"	10.5"	3"	3,000	2.5"	2,300	180'



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Settlement Tanks

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Settlement Tank

SLD has the facility to provide settlement tanks which helps reduce sediment pollution and sludge deposits entering watercourses – increasing awareness of environmental requirements.



Type	Size
Length	3000mm
Width	1500mm
Height	1500mm
Weight (Dry)	830kg
Capacity	1500gal/7000ltrs

De-Silter Tank

Contaminated water pumped through filters and weir system, sediment collects in the *easy clean* base of the tank. Drain-off valves for maintenance, shut-down and to prevent freezing up.

Access hatch at bottom of unit for cleaning c/w a maintenance drain.



Type	Size
Length	2300mm
Width	2300mm
Height	2100mm
Weight (Dry)	1398kg
Flow Rate	1200gal/minute





In order to increase the running time of the pumps, SLD can provide fully bundled fuel tanks complete with fuel management.

The fuel tanks can come complete with heavy duty hose pipes and lockable quick release couplings.

Tank size	Capacity
Range of sizes available	1800l to 9000l



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Drip Tray (6x4) / (8x5)

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Drip Trays



SLD drip trays are used to eliminate the possibility of oil/diesel spillages with portable plant. Two standard sizes are available.

Drip Tray 6'x4'

Type	Size
Length	1830mm
Width	1220mm
Height	300mm
Weight (Dry)	174kg
Drip Tray Supporting Weight	3000kg

Drip Tray 8'x5'

Type	Size
Length	2440mm
Width	1520mm
Height	300mm
Weight (Dry)	220kg
Drip Tray Supporting Weight	3000kg

Starter and Float Switches

Float Switch Equipment:

Bulb Type

Heavy duty float switches. They will operate on ordinary starters directly and safely.

Current 6A
Voltage 12 - 240 V AC / DC
Change over level 100mm
Cable length variable

Moving Ball Type

Current 8A
Voltage 12 - 240 V AC / DC
Change over level 200mm
Cable length variable

Low Voltage Transformer/Relay

SLD 24v transformer/isolator in a wall mounting box (not weatherproof)

Size 150 x 80 x 50mm
Power Supply 250v / 415 V AC

Starters

To provide a high grade installation we have available a wide range of starters, in weatherproof enclosures.

Float switches can be fitted directly to the bodies of some of the smaller pumps to switch them on and off and save power, wear and tear. Float switches are supplied by 24 volt transformers.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
**Pump/Generator/Pipe
Selection Guides**



Pump Selection Guide

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Limitations on Suction Lift and Factors which affect it

Suction Lift

Suction Lift is achieved by atmospheric pressure acting on the liquid surface, "pushing" the liquid into the pump casing and suction hose, after the priming system has exhausted air and creates a depression.

The maximum vacuum at sea level is about 10.5 Metres water or 760mmHG.

In pumping applications the maximum suction lift is about 7.5 to 8.5 metres.

The suction lift should always be kept to a minimum for cost effective and trouble free systems.

Specific Gravity

If the liquid is heavy then the atmosphere will be less able to push it up the suction.

Conversely, if the liquid is light, e.g. oil, then it can lift it further. This is in direct proportion to the S.G.

These variations are unusual in Civil Engineering applications, but the presence of suspended solids should be taken into account.

A Golden "Rule of Thumb" for standard build pumps. If it doesn't flow, it doesn't pump.

Viscosity and Friction Losses

As liquids flow, they drag on the inside of the pipes. The faster they go the greater the drag. The thicker (more viscous) they are, the more they drag.

For maximum flow on suction or delivery use amply sized hoses, typically one size larger than the pump branch size is good guide, particularly on long delivery runs.

Avoid small strainers, sharp bends, rough and kinked hose, it will save you cost.

Restrictions on Flow

Some of the following comments apply to suction lines as well as discharge lines and also to gravity flow.

Loss of Head

Water flowing downhill through a pipe flows in bigger quantities through a big pipe than through a small one. The smaller pipe slows up the water. This is loosely called "friction". Loss of flow can be overcome by lifting the top end of the pipe higher, to give it more "push". This extra height, or head, is called the head loss. A pump pushing water sees the same problem.

By observation, big flows come from big, short pipes, small flows from long small pipes. Bends, elbows and valves also slow up the flows.

Friction Loss Tables have been calculated so that an estimate of the flow can be made.

Three basic points should be remembered:

1. When there is no flow, there is no friction loss
2. High flows through small pipes waste the head and expend needless energy
3. A decrease of 10% in the pipe diameter increases the loss by 30%

Static Head

If the liquid has to be moved through a height, then work has to be done. This is separate from the "friction loss". Static Head is measured from the surface of the water below the inlet to the point at the discharge where it meets the air again.

Specific Gravity

This increases or decreases the pump power requirement, however when using a centrifugal pump it does not alter the "head" or height to which it pushes. The suction is affected.

Syphons

If the discharge goes downhill then it will help "pull" the water through the pipe. This is limited, however because like "suction lift" this pull is actually the push by the atmosphere. As a good rule of thumb, no downhill syphon is worth more than 8 meters in head gain. The general ups and downs of a pipe make no difference to the final static head.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pump Selection Guide

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Choosing the correct pump:

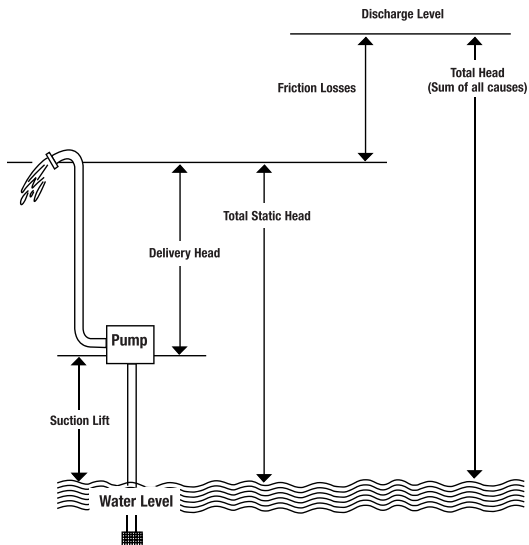
In summary, factors which will determine your choice of pump:-

- Liquid being pumped
- Suction lift
- Flow rate required
- Total Static Head (suction static+discharge static)
- Distance being pumped
- Bore and type of delivery pipe work

Combining all of this information accurately will enable SLD Staff to identify the most cost-effective pumping solution tailored for your pumping duty.

Contact your local depot for advice, or to arrange a visit from your local Sales Engineer. You will benefit from our experience.

Pump Terms:



Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pump Selection Guide

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Trogs Method

If you want to estimate the likely flow from a pipework system try this:

- Guess a flow rate. Any flow rate will do but make it somewhere in the middle of the pump range.
- Check what losses this flow will give in the pipework.
- Add these losses to the static head, check against the pump curve. Your figure will be wrong; try half the flow rate (or twice the flow rate if appropriate).

Repeat the above.

Very quickly you will get close to what is possible and what is not.

For instance: A pipe is 3,000ft long 6" diameter and there is a static head of 50ft.

GUESS 1,000gpm. From the chart opposite, the losses are 13ft per 100ft. That is 390ft losses so there is no way you will get 1,000gpm. Try 500gpm. From the chart you will see that the losses drop sharply to 31/2ft per 100ft, making 105ft losses.

The total head is then 155ft. This is too much for a CD 150M but in the range of an HL6.

However, 500gpm is too small for an HL6 to be efficient. Try 400gpm. This gives 66ft losses plus 50ft static = 116ft total. An HL4 could do it comfortably and cheaply. The HL4 is in the middle of its range and will run smoothly and with better efficiency.

If 1,000gpm is required then a bigger line, not a bigger pump is required. Size the pipe to the flow and the pipe length - not to the pump branch sizes.

Friction Loss In Smooth Bore Pipe

Losses in m/100 or ft./100ft.

I.G.P.M.	2"	3"	4"	6"	8"	10"	12"	m ³ /h
50	10	1.4	0.3					10
75	20	3	0.7					15
100	35	5	1	0.1				20
150		12	2.5	0.35				30
200		18	4.5	0.6				50
300		40	10	1.2	0.4			75
400			18	2.2	0.7			100
500			28	3.5	1.1			125
600			38	4.5	1.5			150
700				6.5	2			175
800				8	2.7			200
900				10	3.4	1	0.4	225
1000				13	4	1.4	0.5	250
1200				18	6	2	0.8	300
1400				26	8	3	1	350
1600				32	11	4	1.5	400
1800				36	14	4.5	2	450
2000				38	17	5	2.5	500
2500					25	9	4	650
3000					38	12	5	750
4000						21	8	1000
5000						32	13	1250

$$\text{m}^3/\text{hx}4 = \text{g.p.m. Approx.}$$

The above tables refer to new pipes. Moderate corrosion may increase the resistance by 25% and severe corrosion by 50% to 100%. To calculate the resistance of bends and other fittings, an equivalent length for each fitting should be added to the actual length of straight pipe. The equivalent length in feet can be estimated with sufficient accuracy by multiplying the factors in the following table by the pipe diameters in inches.

Mitre elbow or toe	5
Round elbow	3
Slow bend	2
Square edged entrance	3
Gate valve fully open	2
Globe valve fully open	10
Non-return valve (flap type)	3
Foot-valve and strainer (clean)	5

For instance a 6" Gate valve is equivalent to 12 ft. of extra pipe.

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pump Selection Guide

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



For Economic Pumping:

- Use good hose sizes. One size larger than the pump branches is a good guide for longer runs.
- Keep the motor speed down. Speed gives head rather than flow.
- Doubling the speed increases the fuel consumption by 8 times.
- Use float switches. The SLD Dri-Prime auto float system returns massive cost savings on fuel consumption.
- Use the right pump for the job.
- Operate the pump at about 2/3rds along it's curve. Do not run near "closed valve" (maximum head). Do not run high head pumps on low head applications.
- Air leaks in the suction cause problems and can be very expensive. Use good hoses and sound couplings and sealing rings. Avoid packed glands on suction lifts.
- Blockages cut the output and increase costs. Use good strainers and pumps with good solids handling ability.

Metric Equivalents

Length and Area

1 foot = 12 inches	1 foot = 304.8 mm	1 foot = 0.3046 m
1 foot² = 0.0929 m ²	1 yard = 0.9144 m	1 yard² = 0.8361 m ²
1 mile = 1609.0 m	1 acre = 4046 m ² = 0.405 ha	

Volume

1 foot³ = 0.02832 m ³	1 gallon = 0.004546 m ³ = 28.32 litre = 4.546 litre
1 yard³ = 0.7646 m ³	

Flow rates

1gallon/sec	= (0.00456 m ³ /sec. = 0.2728 m ³ /min. = 16.37 m ³ /hour = 392.8 m ³ /day = (4.5461 l/sec. = 272.8 l/min. = 16370 l/hour = 392800 l/day
1 gallon/min	= (0.000076 m ³ /sec. = 0.004546 m ³ /min. = 0.2728 m ³ /hour. = 6.54 m ³ /day = (0.07576 l/sec. = 4.546 l/min. = 272.8 m ³ /hour = 65451 l/day
1mgd	= (0.05262 m ³ /sec. = 3.157 m ³ /min. = 189.4 m ³ /hour = 4546 m ³ /day = (52.62 l/sec. = 3157 m ³ /min. = 189400 l/hour = 4546000 l/day
1,000 gallon/hour	= (0.0126 m ³ /sec. = 0.7576 m ³ /min. = 45.46m ³ /hour = 1091 m ³ /day = (12.62 l/sec. = 757.6 l/hour = 45460 l/hour = 1091000 l/day
1 foot³/sec	= 0.02832 m ³ /sec. = 1.699m ³ /min. = 102.0 m ³ /hour = 2448 m ³ /day = (23.32 l/sec. = 1699 l/sec. = 102000 l/hour = 2448000 l/day
1 gallon/foot²/hour	= 1.164 m ³ /day 1 cumin. = 1 l/sec

Mass

1oz = 28.35 g	1lb = 0.4536 kg	1ton = 1,016 kg = 1.016 tonne
----------------------	------------------------	--------------------------------------

Force

1lb. f. = 4.448N = 0.4536 kg	1ton. f. = 9.964 kn.
-------------------------------------	-----------------------------

Pressure

1lb./in² = 6.895 kn/m ² = 0.0703 kg/cm ² = 0.7031m (H ₂ O) = 0.06895 bar
1ft. (H₂O) = 2.989 kn/m ² = 0.0305 kg/cm ² = 0.3048 (H ₂ O) = 0.02989 bar
1in. (Hg) = 0.03453 kg/cm ² = 0.03386 bar
1atm. = 1.033 kg/cm ² = 760mm (Hg) = 1.013 bar = 100 KPa

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides



Pump Selection Guide

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



Pressure/Head Conversions

	FT-WG.	PSI	BARS	KN/M2	M-WG
0	10 -	-			
	20 -	10 -	5 -	50 -	5 -
	30 -	-	1 -	100 -	10 -
	40 -	20 -	1.5 -	150 -	15 -
	50 -	-	2 -	200 -	20 -
	60 -	30 -	2.5 -	250 -	25 -
	70 -	-	3 -	300 -	30 -
	80 -	40 -	3.5 -	350 -	35 -
	90 -	-	4 -	400 -	40 -
	100 -	50 -	4.5 -	450 -	45 -
	110 -	-	5 -	500 -	50 -
	120 -	60 -	5.5 -	550 -	55 -
	130 -	-			
	140 -	70 -			
	150 -	-			
	160 -	80 -			
	170 -	-			
	180 -	90 -			
	190 -	-			
	200 -	100 -			

Flow Conversions

	M3/H	1/Sec	1/Min	GPM	GPH
0					
10 -			2 -		2 -
20 -			4 -	5 -	4 -
30 -	5 -		6 -	10 -	6 -
40 -			8 -	15 -	8 -
50 -	10 -		10 -	20 -	10 -
60 -		15 -	12 -	25 -	12 -
70 -		20 -	14 -	30 -	14 -
80 -		25 -	16 -	35 -	16 -
90 -		30 -	18 -	40 -	18 -
100 -		35 -	20 -	45 -	20 -
10 -		40 -	22 -	50 -	22 -
20 -		45 -	24 -	55 -	24 -
30 -		50 -	26 -	60 -	26 -
40 -		55 -	28 -	65 -	28 -
50 -		60 -	30 -	70 -	30 -
60 -		65 -	32 -	75 -	32 -
70 -		70 -	34 -	80 -	34 -
80 -			36 -	85 -	36 -
90 -			38 -	90 -	38 -
100 -			40 -		40 -
10 -			42 -		42 -
20 -					44 -
30 -					46 -
40 -					48 -
50 -					50 -
60 -					52 -
					54 -

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides



Pump Selection Guide

Diesel & Electric Range
 High Head Range
 Submersible Range
 Hydraulic Range
 Air Operated
 Pump Range
 Wellpointing
 Pressure
 Jetting/Cleaning
 Hoses
 Adaptors
 Hose Ramps
 Settlement Tanks
 Fuel Tanks
 Drip Trays
 Pump/Generator/Pipe
 Selection Guides

Table of Common Flanges, BS10 and Metric:

Nominal Bore	Table	Diameter Flange	P.C.D.	Bolt Dia.	No. of Bolts	Flange Thickness Grey Cast iron
1"	D & E	4.50"	3.25"	.50"	4	.50"
1.4"	D & E	4.75"	3.44"	.50"	4	.625"
1.2"	D & E	5.25"	3.88"	.50"	4	.625"
1.5"	D	6.00"	4.50"	.625"	4	.688"
2"	E	6.00"	4.50"	.625"	4	.750"
	NP16	165mm	125mm	M16	4	20mm
50mm	D	6.50"	5.00"	.625"	4	.688"
2.5"	E	6.50"	5.00"	.625"	4	.750"
	D & E	7.25"	5.75"	.625"	4	.750"
3"	NP10	200(7.87)	160 (6.30)	M16	8	21 (.83)
80mm	NP16	200 (7.87)	160 (6.30)	M16	8	21 (.83)
	D	8.50"	7.00"	.625"	4	.750"
4"	E	8.50"	7.00"	.625"	8	.875"
	NP10	220 (8.66)	180 (7.09)	M16	8	22 (.87)
100mm	NP16	220 (8.66)	180 (7.09)	M16	8	22 (.87)
	D	10.00"	8.25"	.625"	8	.813"
5"	E	10.00"	8.25"	.625"	8	.875"
	NP16	250mm	210mm	M16	8	22mm
125mm	D	11.00"	9.25"	.625"	8	.813"
6"	E	11.00"	9.25"	.750"	8	.875"
	NP10	285(11.22)	240 (9.49)	M20	8	23 (.91)
150mm	NP16	285 (11.22)	240 (9.49)	M20	8	23 (.91)
	D	12.00"	10.25"	.625"	8	.875"
7"	E	12.00"	10.25"	.750"	8	1.00"
	D	13.25"	11.50"	.750"	8	.875"
8"	E	13.25"	11.50"	.750"	8	1.00"
	NP10	340 (12.38)	295 (11.61)	M20	8	24.5 (.96)
200mm	NP16	340 (12.38)	295 (11.61)	M20	12	24.5 (.96)
	D	14.50"	12.75"	.675"	8	.875"
9"	E	14.50"	12.75"	.750"	12	1.00"
	D	16.00"	14.00"	.750"	8	1.00"
10"	E	16.00"	14.00"	.750"	12	1.00"
	NP10	400 (15.75)	350 (13.78)	M20	12	26 (1.02)
250mm	NP16	400(15.75)	355 (13.989)	M25	12	26 (1.02)
	D	18.00"	16.00"	.750"	12	1.00"
12"	E	18.00"	16.00"	.875"	12	1.125"
	NP10	455 (17.91)	400 (15.75)	M20	12	27.5 (1.08)
300mm	NP16	455 (17.91)	410 (16.14)	M25	12	27.5 (1.08)

NP10 and NP16 are for cold water pressures of 10 bar and 16 bar and are the current British Standard.

Service Tips:

- Check all equipment is connected ☒
- Check 'o' rings are fitted to hoses ☒
- Check all drain taps are closed ☒
- Check all hose couplings are secure ☒
- Check fuel is clean / no dirt in fuel tank ☒
- Always ensure a strainer is fitted ☒
- Always make sure that the pump is level ☒
- Check oil, water and fuel daily ☒
- Check equipment is installed on level ground ☒
- Operating staff have understanding of safe equipment operation and maintenance ☒

Diesel & Electric Range
High Head Range
Submersible Range
Hydraulic Range
Air Operated
Pump Range
Wellpointing
Pressure
Jetting/Cleaning
Hoses
Adaptors
Hose Ramps
Settlement Tanks
Fuel Tanks
Drip Trays
Pump/Generator/Pipe
Selection Guides





Unit 2 Parkhouse Lane, Sheffield S9 1XA

Tel: +44 (0)114 242 4693 Fax: +44 (0)114 2619209

E: info@sldpumpspower.co.uk www.sldpumpspower.co.uk




Carrier
Rental Systems

A trading division of Carrier Rental Systems International