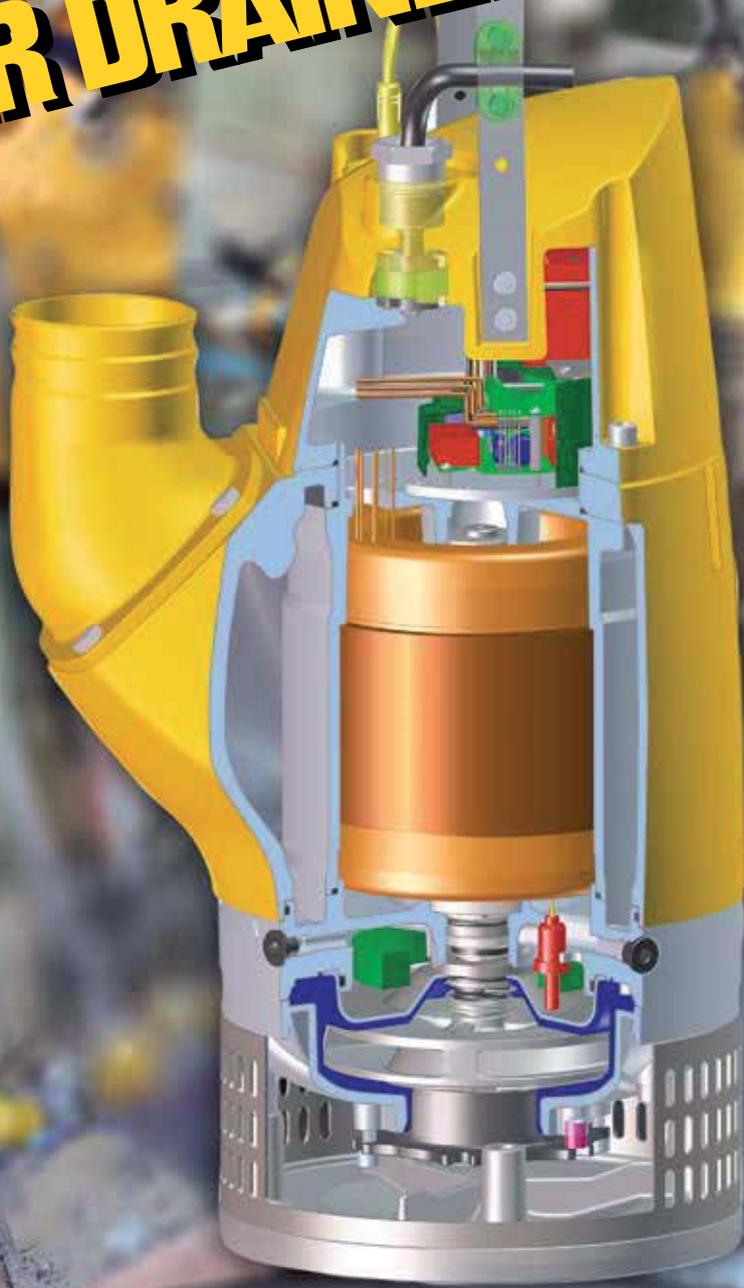


**NEW
SUPER DRAINER**



**NEW TECHNOLOGY
FOR TOUGH DEWATERING**

PUMPEX



NEW TECHNOLOGY FOR TOUGH DEWATERING.

Pumpex SUPER Drainers, series PS and SPS, are introducing lots of new technology to the dewatering market, making dewatering easier and safer for miners, contractors, industrial users and other professionals with tough applications where reliability, easy handling and availability is essential.

SUPER

Safe, User friendly, Powerful, Economic, Reliable

SUPER Drainer

The new technology in Pumpex SUPER Drainer pumps equipped with Pumpex WIP Control offers significant improvements of many aspects of the pumps life cycle by making the pump:

Safe

- **Protection against high motor temperature**
by three NTC thermistors, one in each motor winding.
Warning at high motor temperature for continuous temperature recording and auto-stop at over-temperature 145 °C.
- **Protection against high WIP temperature**
by built-in NTC thermistors at the WIP Computer with auto-stop at over-temperature.
- **Built-in overload protection**
for continuous temperature recording and auto-stop at over-temperature.
- **Phase-failure protection, incorrect power.**
Pump stops in case of phase failure or high phase unbalance in power supply.
- **Moisture monitoring of shaft seals and motor.**
Moisture sensors in oil and in motor housing with LED indication in the WIP Plug in case of moisture.

User friendly

- **Automatic rotation correction.**
WIP Computer with dual contactors automatically ensures correct rotation.
- **Automatic restart.**
Pump re-starts automatically if stopped due to overheating, power failure, over amperage.
- **All data and operation history accessible via USB.**
Technical data, spare parts info, service instructions, pump history, operation performance etc. are stored in the built-in WIP Computer accessible on PC via USB connection.
- **Built-in starter.**
Built-in DOL starters with dual contactors. VFC Soft Starter is standard above 7 kW.
- **External easy-to-reach check points for shaft seals and motor.**
External plugs for easy check of oil and motor housing.

Powerful

- **High efficiency hydraulics.**
New design of impellers and diffusers for highest efficiency over a larger part of the performance range.
- **Maintained performance over time.**
Resistant and adjustable wear rings and diffusers to keep the performance and efficiency at maximum over time in the toughest applications.

PUMPEX SUPER DRAINERS

PS 1000 - PS 3000

SPS 30 - SPS 80

SUPER DRAINERS

Safe
User friendly
Powerful
Economic
Reliable

WIP CONTROLS

Watching
Indicating
Protecting

- **Extreme performance - weight ratio.**
Low weight versus high performance, for easy transport and handling at site.
- **High service factor.**
Service factor of over 1.15, together with class H, 185 °C, insulated windings used to max 145 °C, safe guard continuous performance even at harsh conditions, with voltage drop, overload conditions, temporary over-temperature, etc.

Economic

- **High efficiency motors IEC2.**
High and premium efficiency motors according to IEC2.
- **Auto start-stop.**
Auto-stop when pump start snoring and start at preset level to save energy and extend pump life by reducing excess wear.
- **Easy service check via PC.**
Pump's condition and any need for service as well as performance record, service history and other information for the pump unit etc is all easy readable on a PC connected to the pump top by an external USB port.
- **Minimum down time by easy maintenance at site.**
Easy service with consistent design with standardized spare parts and no need for special tools makes service easy even at site, reducing cost for transportation, handling and down time.
- **Standardized spare parts and service kits.**
Fewer parts to cover many pump sizes and easy-to-order service kit reduces the need for part in stock still ensuring that the right parts are available when needed.

Reliable

- **High wear resistance.**
60 RH hard impellers and wear ring of white cast iron and rubber covered diffusers and wear plates for maximum wear resistance at harsh condition.

- **Double mechanical shaft seal.**
Silicon carbide against silicone carbide in both primary and secondary mechanical shaft seals.
- **Double sealed non-wicking cable entries.**
Double sealed cable entries leak-proof even through destroyed cables, approved standard cable can be fitted at site.
- **Lubricated for life bearings.**
Highest quality, lubricated-for-life bearings for minimum 50 000 Hours B2 life.
- **Advanced anti-blocking re-start sequence.**
Advanced automatic start sequence, 3x3-stage with auto-reversers, to safeguard re-start even at most difficult condition with blocked impeller.
- **Work in toughest conditions.**
Dry, semi dry or totally submersed, in any position, standing up, laying down or even up-side-down, the SUPER Drainer still works continuously without stopping.

WIP Watching, Indicating, Protecting

WIP Control

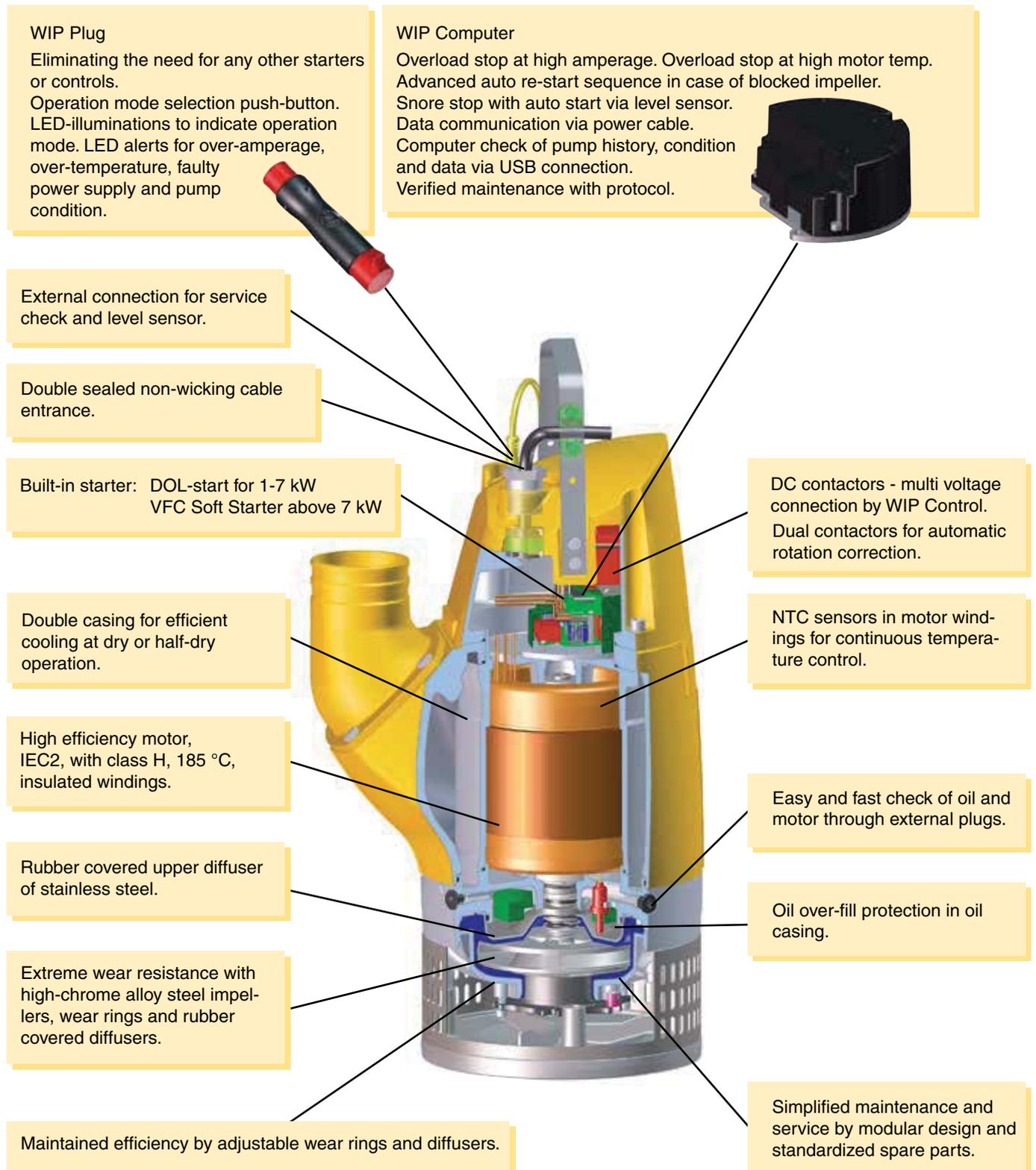
The WIP Control is not only making all external starters and controls obsolete but also offer a lot of important features, reducing costs and making life easier and more efficient for the user, such as.

- **Selectors for operation mode.**
- **Indicators for selected operation mode, pump condition, over-temperature, moisture in oil or motor, low motor insulation and power supply condition.**
- **PC connection for operation and pump history, pump diagnostic, service protocol, technical and service information and a lot more.**

Pumpex WIP Control System consists of the WIP Computer built into the SUPER Drainer pump, storing all data about the pump, and the easy to use robust WIP Plug at the power supply. The two units are communicating data over the power cable.

SUBMERSIBLE DRAINAGE PUMPS PS 1000 - PS 3000 SLUDGE PUMPS SPS 30 - SPS 80

Pumpex submersible SUPER series, drainage pump PS 1000 - PS 3000 and sludge pump SPS 30 - SPS 80 are suitable for pumping water and dirty water mixed with soil. When delivered to a site you can start using them right away. The low weight and compact design vouches for convenient transport, handling and installation. Just plug and pump!





SUPER* Drainer features	PS/SPS basic unit built-in contactor	PS/SPS WIP** built-in WIP Computer	PS/SPS WIP** with level sensor	PS/SPS WIP** with WIP Plug	PS/SPS WIP** with Plug + level sensor	PS/SPS WIP** with PC com. kit
Run mode	✓	✓	✓	✓	✓	
Built-in starter	✓	✓	✓	✓	✓	
High motor temp stop - automatic restart	✓	✓	✓	✓	✓	
Automatic restart after power failure	✓	✓	✓	✓	✓	
Automatic rotation correction		✓	✓	✓	✓	
Advanced automatic start sequenses, 3x3-stage with auto revers in case of blocked impeller		✓	✓	✓	✓	
High current auto stop - advanced restart		✓	✓	✓	✓	
Phase failure auto stop - advanced restart		✓	✓	✓	✓	
Automatic stop at dry running/snoring			✓		✓	
Level control - automatic start at preset water level			✓		✓	
Operation selector panel				✓	✓	
Operation mode indications				✓	✓	
Warning - moisture in motor				✓	✓	
Warning - water in oil				✓	✓	
Warning - low motor insulation				✓	✓	
E-mode set indication					✓	
Socket for external USB cable connection		✓		✓	✓	✓
Pump specific info - technical data, serial no etc						✓
Pump status examination						✓
Service requirement analysis						✓
Logg - pump operating history						✓
Logg - pump failure history						✓
Logg - pump service and maintenance history						✓
Digital spare parts documentation						✓
Digital workshop manual						✓

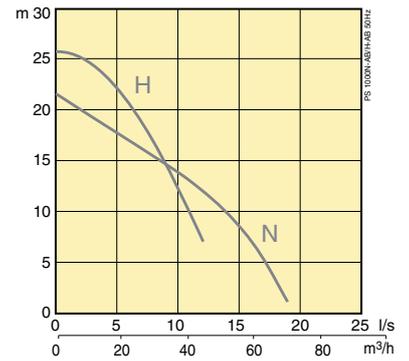
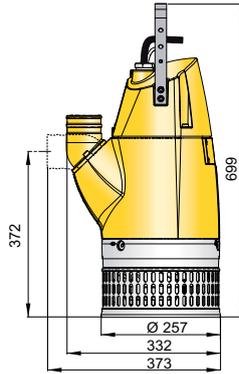
*) SUPER Drainer: **Smart, User friendly, Powerful, Economic, Reliable**

) WIP: **Watching, Indicating, Protecting

PUMPEX PS 1000

Pump Type	N / H / N WIP* / H WIP*
Motor rating P_2	2.5 kW, 3~
Max. power input P_1	2.9 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	8.8 / 5.1 / 4.1 / 2.0
Speed	2920 rpm
Motor protection	Built in
Electric cable	20 m
Strainer passage	7.5 x 22 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	39 kg

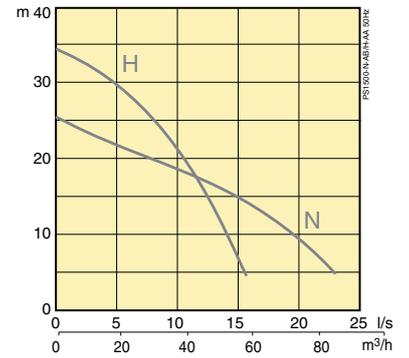
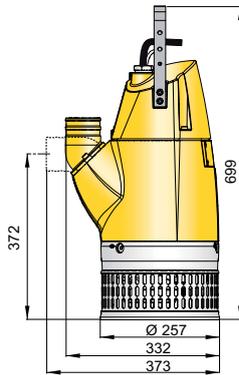
*WIP: Built-in WIP Computer.



PUMPEX PS 1500

Pump Type	N / H / N WIP* / H WIP*
Motor rating P_2	3.7 kW, 3~
Max. power input P_1	4.3 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	13.2 / 7.6 / 6.1 / 3.0
Speed	2860 rpm
Motor protection	Built in
Electric cable	20 m
Strainer passage	7.5 x 22 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	42 kg

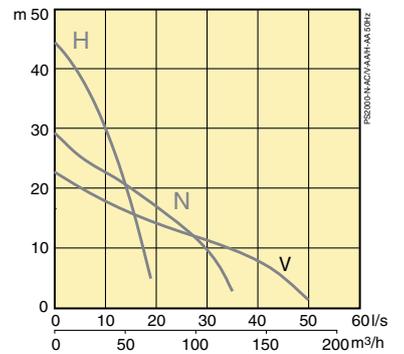
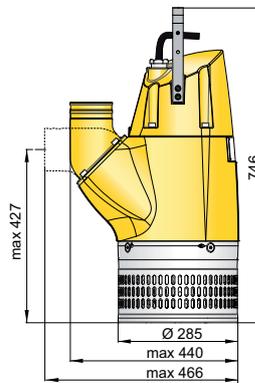
*WIP: Built-in WIP Computer.



PUMPEX PS 2000

Pump Type	N / V / H / N WIP* / V WIP* / H WIP*
Motor rating P_2	5.6 kW, 3~
Max. power input P_1	6.2 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	19.7 / 11.3 / 9.0 / 4.5
Speed	2930 rpm
Motor protection	Built in
Electric cable	20 m
Strainer passage	7.5 x 22 mm
Discharge connection	Hose 3" (H), 4" (N), 6" (V)
	Option: G3", G4", G6"
Weight (excl. cable)	59 kg

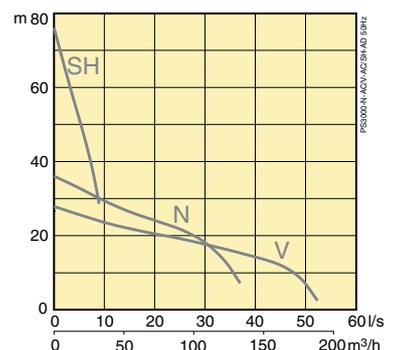
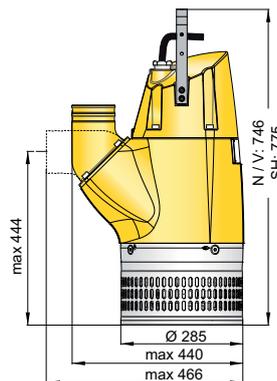
*WIP: Built-in WIP Computer.



PUMPEX PS 3000

Pump Type	N / V / SH / N WIP* / V WIP* / SH WIP*
Motor rating P_2	8.3 kW, 3~
Max. power input P_1	9.3 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	27.8 / 16 / 12.8 / 6.4
Speed	2920 rpm
Motor protection	Built in
Electric cable	20 m
Strainer passage	7.5 x 22 mm
Discharge connection	Hose 3" (SH), 4" (N), 6" (V)
	Option: G3", G4", G6"
Weight (excl. cable)	63 kg (N,V), 78 kg (SH)

*WIP: Built-in WIP Computer.

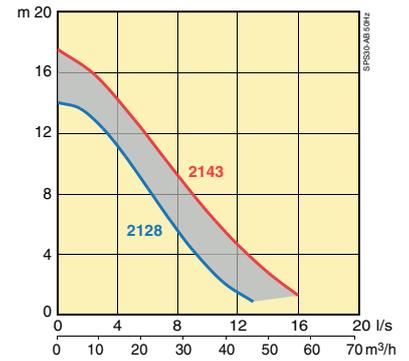
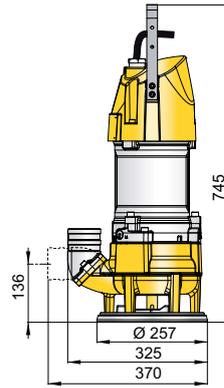


PUMPEX SPS 30

Pump Type

SPS 30 / SPS 30 WIP*-2128
SPS 30 / SPS 30 WIP*-2143

Motor rating P_2	2.5 kW, 3~
Max. power input P_1	2.9 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	8.8 / 5.1 / 4.1 / 2.0
Speed	2920 rpm
Motor protection	Built in
Electric cable	20 m
Free passage	45 x 55 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	39 kg



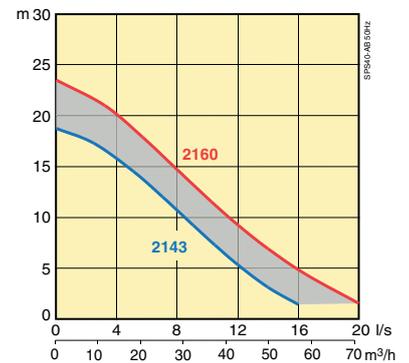
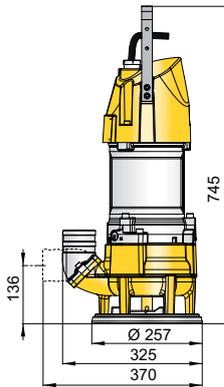
*WIP: Built-in WIP Computer.

PUMPEX SPS 40

Pump Type

SPS 40 / SPS 40 WIP*-2143
SPS 40 / SPS 40 WIP*-2160

Motor rating P_2	3.7 kW, 3~
Max. power input P_1	4.3 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	13.2 / 7.6 / 6.1 / 3.0
Speed	2860 rpm
Motor protection	Built in
Electric cable	20 m
Free passage	45 x 55 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	42 kg



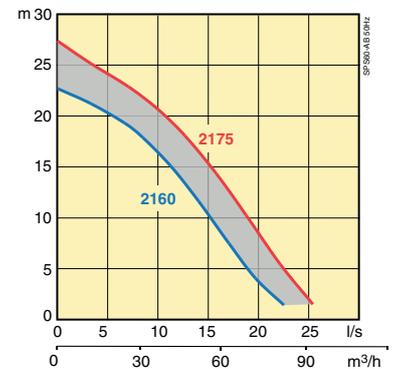
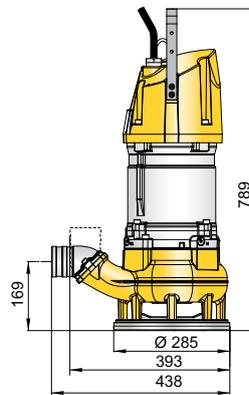
*WIP: Built-in WIP Computer.

PUMPEX SPS 60

Pump Type

SPS 60 / SPS 60 WIP*-2160
SPS 60 / SPS 60 WIP*-2175

Motor rating P_2	5.6 kW, 3~
Max. power input P_1	6.2 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	19.7 / 11.3 / 9.0 / 4.5
Speed	2930 rpm
Motor protection	Built in
Electric cable	20 m
Free passage	48 x 60 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	59 kg



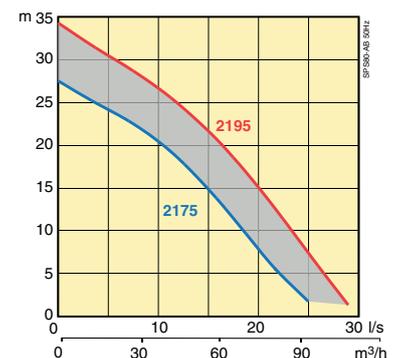
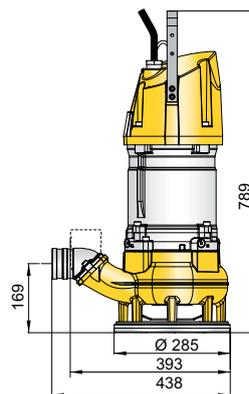
*WIP: Built-in WIP Computer.

PUMPEX SPS 80

Pump Type

SPS 80 / SPS 80 WIP*-2175
SPS 80 / SPS 80 WIP*-2195

Motor rating P_2	8.3 kW, 3~
Max. power input P_1	9.3 kW
Voltage (V)	230 / 400 / 500 / 1000
Full load (A)	27.8 / 16 / 12.8 / 6.4
Speed	2920 rpm
Motor protection	Built in
Electric cable	20 m
Free passage	48 x 60 mm
Discharge connection	Hose 3"
	Option: 2½", 4", G2½", G3", G4"
Weight (excl. cable)	64 kg



*WIP: Built-in WIP Computer.



**Our products are being exported to more than
70 countries, all over the world.**

The manufacturer reserves the right to alter performance, specifications or design without notice.
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