

SUBMERSIBLE SUMP PUMPS

Onga / Jung Pumpen - Submersible Sump Pumps

Onga

A wide range of submersible sump pumps to suit almost any drainage application.

The moulded and stainless steel submersible sump pumps are a high quality, versatile submersible pump, built to withstand the most testing of conditions.

You can't look past our cast iron and stainless steel submersible sump pumps for durability and reliability across dewatering, drainage, water treatment and sewerage applications.

Jung Pumpen

Jung Pumpen is a quality German manufacturer of pumps for wastewater and dewatering applications. For over 85 years Jung Pumpen has been a reliable partner for sewage and wastewater disposal across the globe. Producing high-quality pumps and pumping stations for both small-scale domestic house and land drainage to large-scale industrial and community wastewater treatment

JUNG PUMPEN SUBMERSIBLE SUMP PUMPS

U3KS

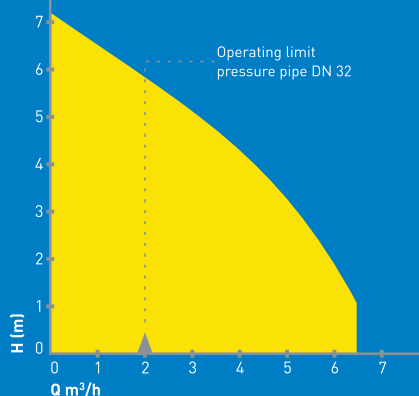


- The U3KS is a all purpose extremely versatile drainage pump. Suitable for the removal of rain water, lightly polluted water and domestic water from household dishwashers and washing machines and intermittent temperatures of up to 60°.
- Benefits include: EIP technology for safer operation, integrated flushing device for reducing deposits and integrated low level pumping. Preventing flooding are only a few of the innovative features that set this pump apart.
- For mildly aggressive media such as brackish water, condensate, liquid manure or chemicals, the U3KS special should be the pump of choice.

Features:

- Continuous operation
- Low level pumping
- Flushing device
- Built-in level control
- Variable discharge branch
- EIP technology
- Swing-type check valve
- Moisture sealed cable inlet

• U3KS Performance



MODEL	Product code	Hmax	Qmax	Free Passage	Voltage	kW		Current	Motor Protection
U3KS	JP09484	7m	110l/m	10mm	230V	0.32	0.20	1.4A	Integrated

U3KS Special

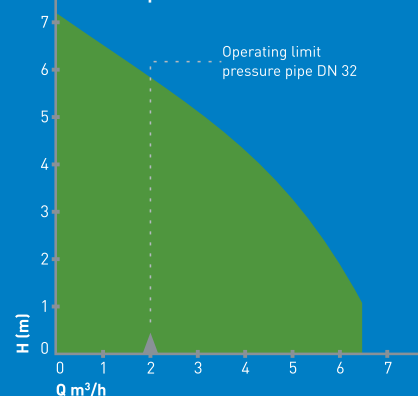


- The U3KS special model is made from high-quality chemical resistant material. Enabling it to handle aggressive media such as liquids containing salt, brackish water, condensate, liquid fertilizers and intermittent temperatures of up to 60°.
- The U3KS special pump provides the same outstanding innovative technical features as the U3KS. If the sump runs dry temporarily, the pump can be vented by providing a drill-hole in the spiral housing to avoid air-locking.

Features:

- For saline solutions up to 10% salinity
- Continuous operation
- Low level pumping
- Flushing device
- EIP technology
- Swing-type check valve for portable use
- SiC mechanical seal
- Moisture sealed cable inlet

• U3KS Special Performance



MODEL	Product code	Hmax	Qmax	Free Passage	Voltage	kW		Current	Motor Protection
U3KS Special	JP44084	7m	110l/m	10mm	230V	0.32	0.20	1.4A	Integrated

JUNG PUMPEN SUBMERSIBLE SUMP PUMPS

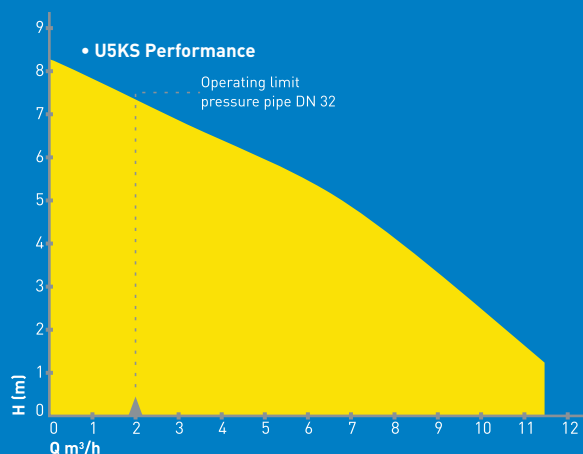
U5KS



- The U5KS is the model of choice when dealing with dirty water from garden ponds, flood water or swimming pools. Thanks to its shallow, built-in suction system, it can reduce residual water level to no more than a few millimetres!
- The U5KS is an extremely powerful and versatile centrifugal submersible pump suitable for faecal-free wastewater with solids up to 10mm particle size. Thanks to the removable strainer base, it is possible to increase the free passage to 20mm.

Features:

- Continuous operation
- Low level pumping
- Flushing device
- Built-in level control
- Variable discharge branch
- 10/20 mm free passage with EIP technology
- Swing-type check valve for portable use



MODEL	Product code	Hmax	Qmax	Free Passage	Voltage	kW P1 P2	Current	Motor Protection
U5KS	JP44091	8m	190l/m	10/20mm	230V	0.52 0.38	2.3A	Integrated

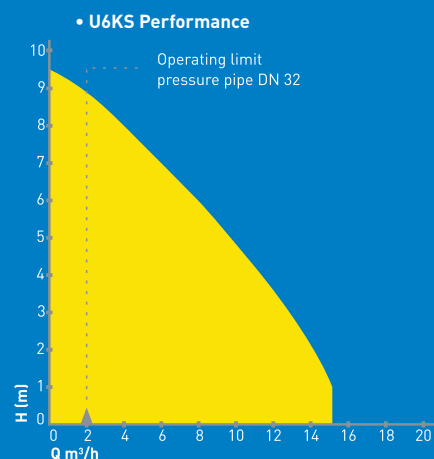
U6KS



- The U6KS model is the largest of the range, ideal for lift wells, garden fountains, greenhouses, basements, pump wells and reservoirs. Its unique silicon carbide mechanical seal is suitable not only for conveying waste water but also for drainage, seepage water and liquid fertilizer.
- The U6 KS also includes an integrated motor contact switch which turns the pump off if it overheats. Operational safety and a long service life are prime features of this pump.

Features:

- Continuous operation
- Flushing device
- Replaceable moisture sealed cable inlet
- Low level pumping by removing the strainer base
- SiC mechanical seal independent of rotation direction
- 10/20 mm free passage with EIP technology



MODEL	Product code	Hmax	Qmax	Free Passage	Voltage	kW P1 P2	Current	Motor Protection
U6KS	JP44085	9.5m	260l/m	10/20mm	230V	0.75 0.49	3.3A	Integrated

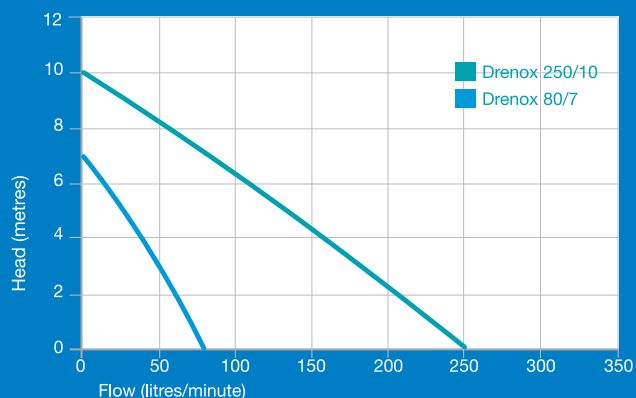
SUBMERSIBLE SUMP PUMPS

Drenox Range



- The Onga Drenox range 250/10 is constructed entirely of 304 grade stainless steel, including a cast stainless steel impeller. 80/7 is 304 grade stainless steel with a plastic impeller.
- Includes a heat exchange chamber to cool the motor for long periods of unsubmerged operation, and an oil chamber for lubrication of the seal.
- Suitable for continuous operation.
Drenox 80/7 drains down to a level of 3mm.

• Drenox Range Performance



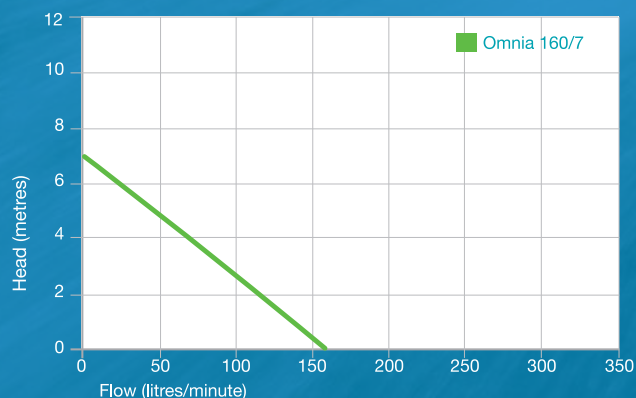
MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
DRENOX 80/7	P1031020	3mm	230V	0.30	0.20
DRENOX 250/10	P1031400	6mm	230V	0.90	0.55

Omnia 160/7



- The Onga Omnia 160/7 includes all the great features of the Drenox and includes a vortex impeller so that it can pass larger solids.
- Dual oil-lubricated NBR70 lip seal on a hard ceramic shaft.

• Omnia 160/7 Performance



MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
OMNIA 160/7	P2081010	20mm	230V	0.90	0.37

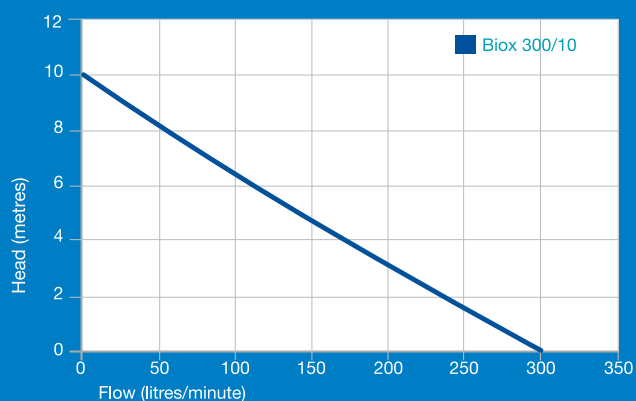
SUBMERSIBLE SUMP PUMPS

Biox 300/10



- The Onga Biox is a submersible vortex pump that includes both a lip seal with sand guard and a carbon-ceramic mechanical seal
- 2" discharge connection enables soft solids up to 40mm in diameter
- Suitable for continuous use
- Motor must remain submerged for cooling

• Biox 300/10 Performance



MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
BIOX 300/10	P2091010	40mm	230V	0.90	0.60

VF150

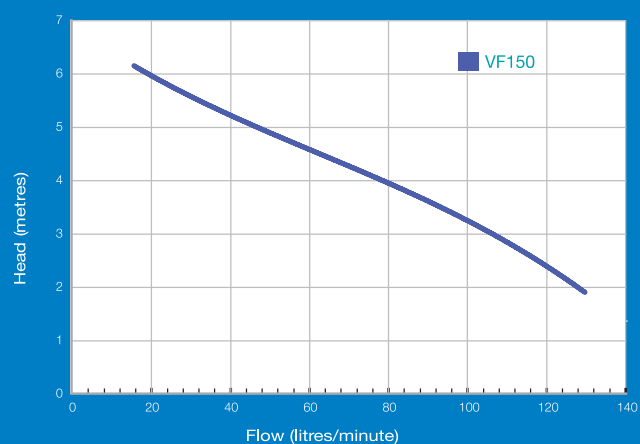


- The VF150 is a single phase drainage pump with cast iron construction making it durable and providing a longer life cycle
- Contains a vortex impeller capable of handling soft solids up to 15mm
- Optimum performance reaches 80 litres per minute at 4 metres head
- Automatic float switch operation protects pump against dry running
- Lip seal and dual mechanical seal for improved service life

Applications:

- Septic effluent disposal, water transfer, grey water and sump pumping liquid including grey water (of neutral pH with soft solids up to 15mm at a 10% content or fine solids at 1% concentration).

• VF150 Performance



MODEL	Watts (P2)	Nominal Current (Amps)	Full Load Current (Amps)
VF150	180	1.4	2.0



Cast iron sump pump nomenclature

CSM	240	V	F
Cast iron submersible pump with dual mechanical seals	Max flow rate at open discharge (litres per minute)	V - vortex C - cutter XG - grinder	F - float switch, 1 ø S - single phase T - three phase

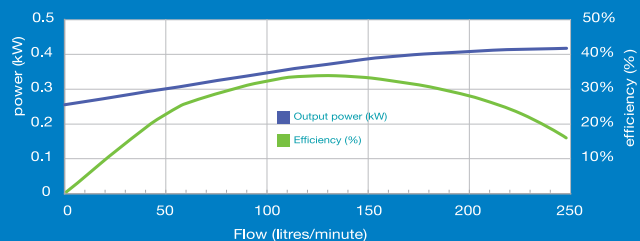
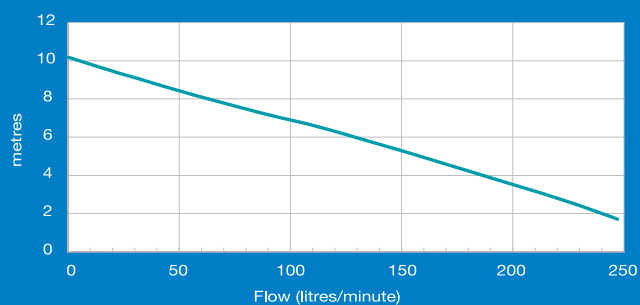
- This range of rugged cast iron submersible pumps is suitable for many dewatering, drainage, water treatment and wastewater applications
- **Available in 3 broad types:**
 - VORTEX** —→ [suitable for dewatering where some solids may be present]
 - CUTTER** —→ [suitable for draining water where stringy materials may be present]
 - GRINDER** —→ [suitable for wastewater applications and where more soft solids are present]
- Cast iron construction making them solid, durable and rugged, with high abrasion resistance to suspended particles
- Dual mechanical seals in oil bath with lip seal for motor protection to provide longer life combined with low friction for low power consumption
- Epoxy cable - motor connection for preventing water ingress through the cable
- Dry motor design with cap start/cap run provides superior motor protection with maximum starting torque
- Continuous Duty rating [40°C] [Intermittent Duty 50°C] designed to handle the largest and toughest jobs
- 30 metre maximum submergence will deal with the deepest pit dewatering
- Stainless steel fasteners for corrosion protection for long life
- Dual cutter design in stainless grade 440C, hardened to 55 Rockwell C[§] for long service life
- Grinder assembly replaceable without disassembling pump[§] for very short repair downtime
- Optional Guide Rails available - no need to enter the pit
- Stainless steel shaft with dual ball bearings and short overhang making them corrosion resistant, smooth running and reducing deflection to prolong seal and bearing life.

MODEL	P1		Voltage	Rated FLA (A)	Starting	Speed	Cable Length	Cable Type	Insulation Class	Start Cap	Run Cap	Power Factor	Max temp. Rating		Motor Protection
	HP	kW											Int °C	Cont °C	
CSM-240VF*	1/2	0.4	230-1-50	2.7	PSC	2 pole / 2850rpm	10m	H07RNF	B	8µF	-	0.98	50	40.6	Auto Cut out switch (ACOS)
CSM-500VF*	1	0.75	230-1-50	5.3	PSC	2 pole / 2850rpm	10m	H07RNF	B	12µF	-	0.98	50	40.6	
CSM-500VT	1	0.75	415-3-50	2.0	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.86	50	40.6	
CSM-650VS	2	1.5	230-1-50	9.6	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	15µF	100µF	0.89	50	40.6	
CSM-650VT	2	1.5	415-3-50	3.4	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.87	50	40.6	
CSM-850CS	2	1.5	230-1-50	9.6	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	15µF	100µF	0.89	50	40.6	
CSM-850CT	2	1.5	415-3-50	3.4	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.87	50	40.6	
CSM-160XGS	2	1.5	230-1-50	10.2	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	12µF	100µF	0.97	50	40.6	
CSM-160XGT	2	1.5	415-3-50	3.6	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.86	50	40.6	
CSM-300XGT	3	2.2	415-3-50	5.3	DOL	2 pole / 2850rpm	10m	H07RNF	F	-	-	0.86	50	40.6	

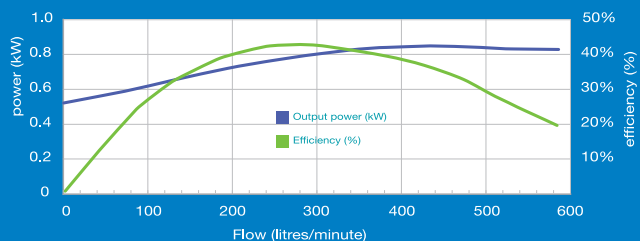
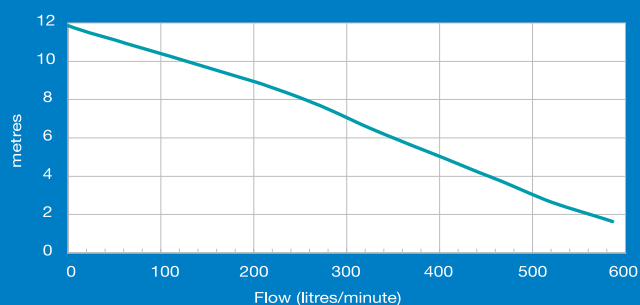
PSC: Permanently Split Capacitor CS/CR: Capacitor start, Capacitor run (centrifugal switch) DOL: Direct on line

* models include float switches - should you require floats with any other model please contact our Customer Service team

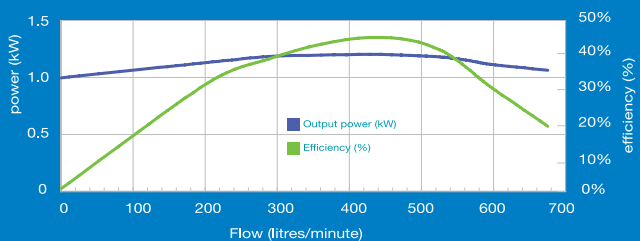
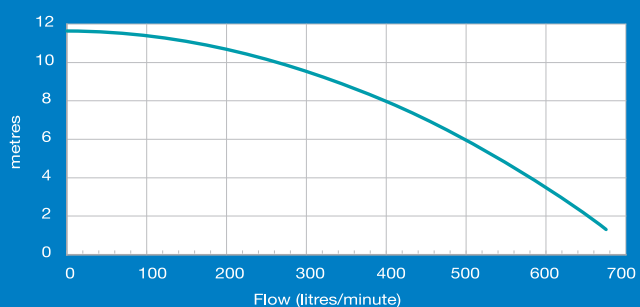
CSM240VF



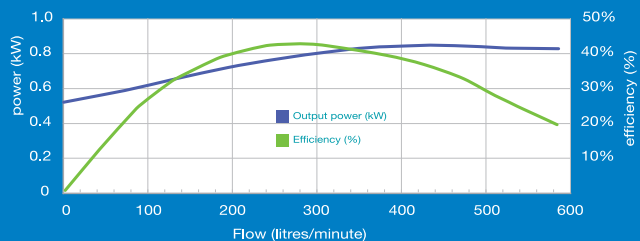
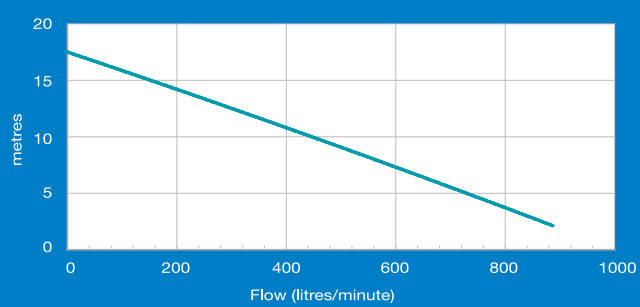
CSM500VF / CSM500VT



CSM650VS / CSM650VT

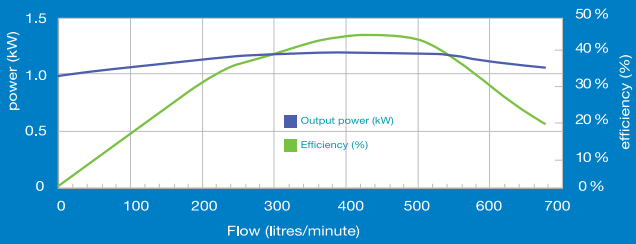
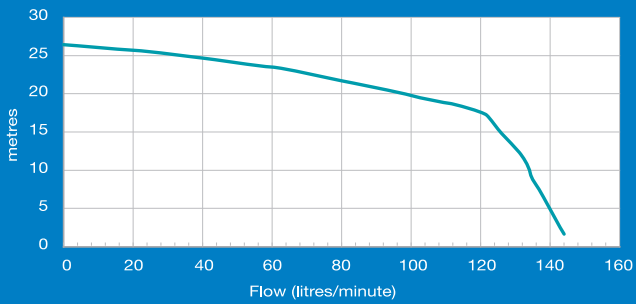


CSM850CS / CSM850CT



APPLICATIONS	MODELS	CSM240VF	CSM500V	CSM650V	CSM850C	CSM160XG	CSM300XGT
Ponds and fountains		•	•	•			
Dairy pit drainage				•	•	•	•
Water treatment circulation		•	•	•	•		
Pit drainage (few small hard solids)		•	•	•	•		
Raw sewerage disposal						•	•
Low pressure sewerage						•	•
Dewatering (clean water)		•	•	•			
Water with stringy material					•	•	•
Grey water (hair, small soft solids)		•	•	•	•	•	•

CSM160XGS / CSM160XGT



CSM300XGT

