



Tender text

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex D-max 80-180/023F4USG2	39110707
	Amarex KSB submersible motor pump for waste water applications, in grey cast iron and special materials	
	Vertical submersible motor pump set for wet installation, single-stage, with three-phase motor to IEC standards. Temperature sensor for protection against overheating, optional leakage sensor in the motor space, power cable with resin-sealed, absolutely water-tight cable entry and service-friendly plug-type connection in the motor space.	
	Pump set:	
	Make	: KSB
	Impeller	: Amarex D / 80-180
	type	: D-max open two-vane impeller
	D-max is an open two-vane impeller of the latest generation. The D-max impeller ensures a non-clogging flow and an excellent hydraulic efficiency.	
	The D-flector technology is specially designed to drastically reduce the risk of clogging by items such as wet wipes contained in the waste water.	
	Impeller diameter	: 192 mm
	Free passage	: 40 mm
	Operating data:	
	Fluid handled	: Water
	Flow rate	:
	Head	:
	Power input	: 400 V 3~
	Operating temperature	: 40 °C max.
	Drive:	
	Nominal voltage	: 3~400 V
	Nominal frequency	: 50 Hz
	Starting method	: DOL / star-delta starting is also

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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	possible Enclosure	: IP68 to EN 60529 / IEC 529, thermal class H			
	Explosion protection	: Without			
	Max. fluid temperature	: 40 °C			
	Thermal motor protection	: Temperature sensor			
	Leakage sensor in the motor space	: no			
	Efficiency class	:			
	Duty type	: S1 submerged / with motor section partly outside the fluid			
	Motor rating P2	: 2,3 kW			
	Motor rating P1	: 2,98 kW			
	Motor efficiency	: 77,2%			
	Nominal current	: 5,15 A			
	Speed	: 1.358 1/min			
	Cable length	: 10 m			
	Cable entry	: Screwed cable entry / cable entry with individually stripped, resin-embedded cores and service-friendly plug-type connection inside the motor			
	Materials:				
	Pump casing Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Handle	: 1.4306			
	Impeller Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Discharge cover 276 Type 420)	: Stainless steel EN-1.4021+QT800 (A			
	Suction cover	: D-flector			
	Shaft Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Cable sheath	: Chloroprene rubber			
	Elastomer seals	: Nitrile-butadiene-rubber NBR			
	Coating	: Two-component epoxy resin High Solid			
	Colour	: RAL 5002			

Data sheet: technical data

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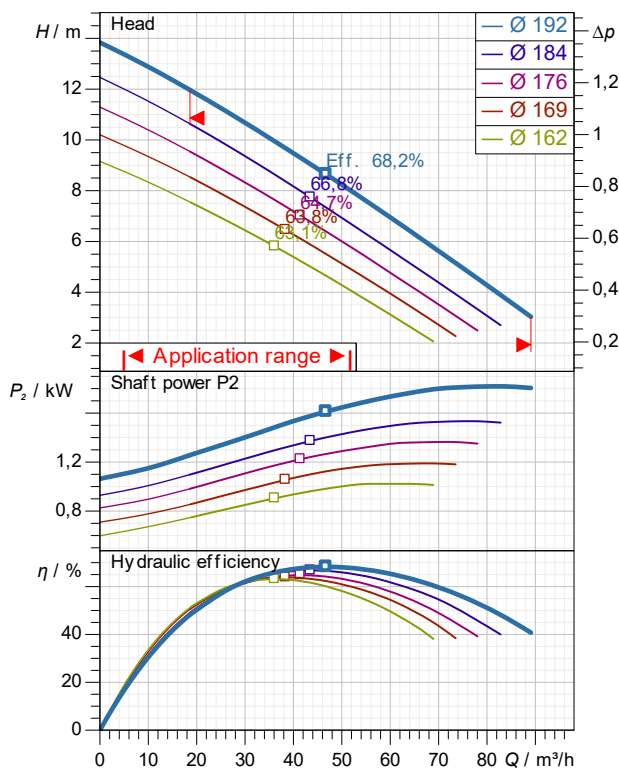
Item-No.
Design **Submersible dirty water motor pumps**
Type / Coding **Amarex D-max 80-180/023F4USG2**

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demand data

Flow
Total head
Geodetic head
Media Water
Liquid temperature 20 °C

Pump data

Make KSB
Type Amarex D-max 80-180/023F4USG2
Design Submersible dirty water motor p
Specific design Single head pump
No. of pumps 1
Standby pump No
Max. fluid temperature

Hydraulic data (Duty point)

Flow
Head

Material / sealing element

Casing Grey cast iron EN-GJL-250 (A 48 Class 35B)
Cover Grey cast iron EN-GJL-250 (A 48 Class 35B)
Suction cover D-flector
Suction cover material Ductile cast iron EN-GJS-600-3
Discharge cover Grey cast iron EN-GJL-250 (A 48 Class 35B)
Shaft Stainless steel EN-1.4021+QT800 (A 276 Type 420)
O-Rings Nitrile-butadiene-rubber NBR
Impeller Chilled cast iron EN-GJN-HB555 (A 532 II B 15% Cr)

Dimensions

Discharge flange standard DN 80

Rated motor data

Power input (P1) 2,98 kW
Rated power (Pn) 2,3 kW
Speed 1.358 1/min
Rated voltage 400 V
Rated current (In) 5,15 A

Product information

Ident. No./ type key 39110707
Weight loaded 81 kg
Gross price 9.504,68 EUR
PL 2025-01-20
Price group

