

Tender text

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex D-max 100-140/0352USG	39110721
	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 / 100-140
	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	: 129 mm
	Free passage	: 45 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	: IE3 = Premium Efficiency			
	Duty type	: S1 submerged / with motor			
		section partly outside the fluid			
	Motor rating P2	: 3,57 kW			
	Motor rating P1	: 4,06 kW			
	Motor efficiency	: 87,9%			
	Nominal current	: 7,46 A			
	Speed	: 2.896 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	: Grey cast iron EN-GJL-250 (A 48			
	Class 35B)				
	Handle	: 1.4306			
	Impeller	: Grey cast iron EN-GJL-250 (A 48			
	Class 35B)				
	Discharge cover	: Stainless steel EN-1.4021+QT800 (A			
	276 Type 420)				
	Suction cover	: D-flector			
	Shaft	: Grey cast iron EN-GJL-250 (A 48			
	Class 35B)				
	Cable sheath	: Chloroprene rubber			
	Elastomer seals	: Nitrile-butadiene-rubber NBR			
	Coating	: Two-component epoxy resin			
		High Solid			
	Colour	: RAL 5002			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Shaft seal:				
	2 independent mechanical seals arranged in the oil reservoir				
	Pump end	: Bellows-type mechanical seal			
	Motor end	: Bellows-type mechanical seal,			
	Carbon-Al2O3				
	Oil fill	: Environmentally friendly, non-toxic oil			
	Dimensions and connections:				
	Nominal size,	: PN 16			
	discharge side				
	Nominal size,	: DN 100			
	suction side				
	Pump weight	: 112 kg			
	Purchase order information:				
	Make	: KSB			
	Type series / size	: Amarex D100-140			
	Material price group	: 18			
	Weight	: 112 kg			
	Item number	: 39110721			
	Motor: 352USG	IE3	1		

Data sheet: technical data

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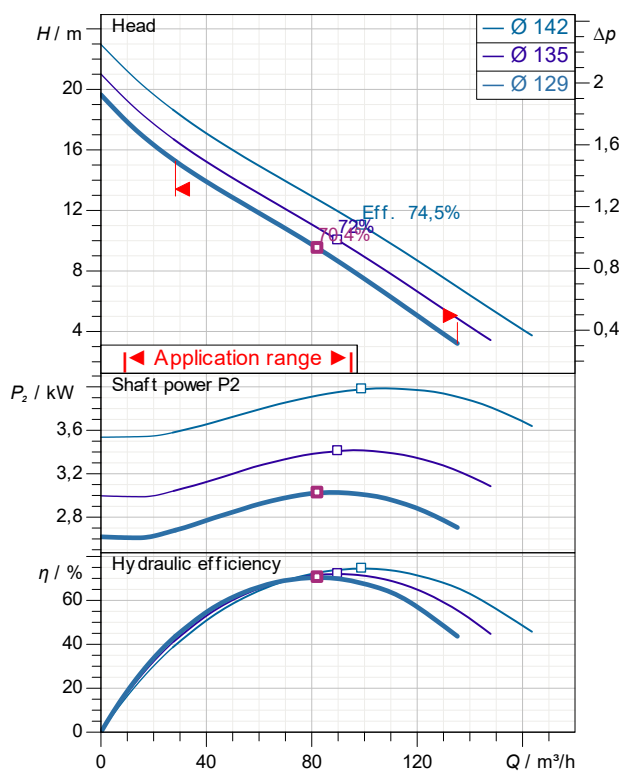
Design
Type / Coding

Submersible dirty water motor pumps
Amarex D-max 100-140/0352USG

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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 100-140/0352USG
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 Ductile cast iron EN-GJS-600-3

Dimensions

Discharge flange standard DN 100

Rated motor data

Power input (P1) 4,06 kW
Rated power (Pn) 3,57 kW
Speed 2.896 1/min
Rated voltage 400 V
Rated current (In) 7,46 A

Product information

Ident. No./ type key 39110721
Weight loaded 112 kg
Gross price 13.644,71 EUR
PL 2025-01-20
Price group

