

Tender text

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex Fmax 050-220/049 F 2 US G	39120035
	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 F / 050-220
 type : F-max vortex impeller

F-max is a vortex impeller optimised for operating reliability. With its large free passage of 100 mm max. it is especially suitable for handling waste water containing all kinds of solids and fibres.

Impeller diameter : 190 mm
 Free passage : 40 mm

Operating data:

Fluid handled : Water
 Flow rate :
 Head :
 Power input : 5,83 kW
 Operating temperature : 40 °C max.

Drive:

Nominal voltage : 3~400 V
 Nominal frequency : 50 Hz
 Starting method : DOL / star-delta starting is also possible
 Enclosure : IP68 to EN 60529 / IEC 529,

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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
		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	: 4,9 kW			
	Motor rating P1	: 5,83 kW			
	Motor efficiency	: 84%			
	Nominal current	: 9,85 A			
	Speed	: 2.838 1/min			
	Cable length	: 10 m			
	Cable entry with individually stripped, friendly plug-type	: Screwed cable entry / cable entry resin-embedded cores and service-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 Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Suction cover Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Shaft	: 1.4021			
	Cable sheath	: Chloroprene rubber			
	Elastomer seals	: Nitrile-butadiene-rubber NBR			
	Coating	: Two-component high-solid epoxy resin			
	Colour	: RAL 5002			
	Shaft seal:				
	2 independent mechanical seals arranged in the oil reservoir				
	Pump end	: Bellows-type mechanical seal			



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Motor end Carbon-Al2O3 Oil fill				
		: Bellows-type mechanical seal,			
		: Environmentally friendly, non-toxic oil			
	Dimensions and connections:				
	Nominal size	: PN 16			
	Discharge side				
	Nominal size	: DN 50			
	Suction side				
	Weight	: 83 kg			
	Pump				
	Purchase order information:				
	Make	: KSB			
	Type series / size	: Amarex F050-220			
	Material price group	: 18			
	Weight	: 83 kg			
	Item number	: 39120035			
	Motor: 492USG				
					1
