

**Tender text**

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**Project ID**

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Pos.no	Description	Item no.
	<b>Submersible dirty water motor pumps</b>	
	Amarex Fmax 065-150/016 F 4 US G	39120065
	<b>Amarex KSB submersible motor pump for waste water applications, in grey cast iron and special materials</b>	

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 / 065-150  
 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 : 200 mm  
 Free passage : 65 mm

**Operating data:**

Fluid handled : Water  
 Flow rate :  
 Head :  
 Power input : 2,13 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	: 1,67 kW			
	Motor rating P1	: 2,13 kW			
	Motor efficiency	: 78,3%			
	Nominal current	: 3,71 A			
	Speed	: 1.370 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			
	<b>Materials:</b>				
	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			
	<b>Shaft seal:</b>				
	2 independent mechanical seals arranged in the oil reservoir				
	Pump end	: Bellows-type mechanical seal			



**Data sheet: technical data**

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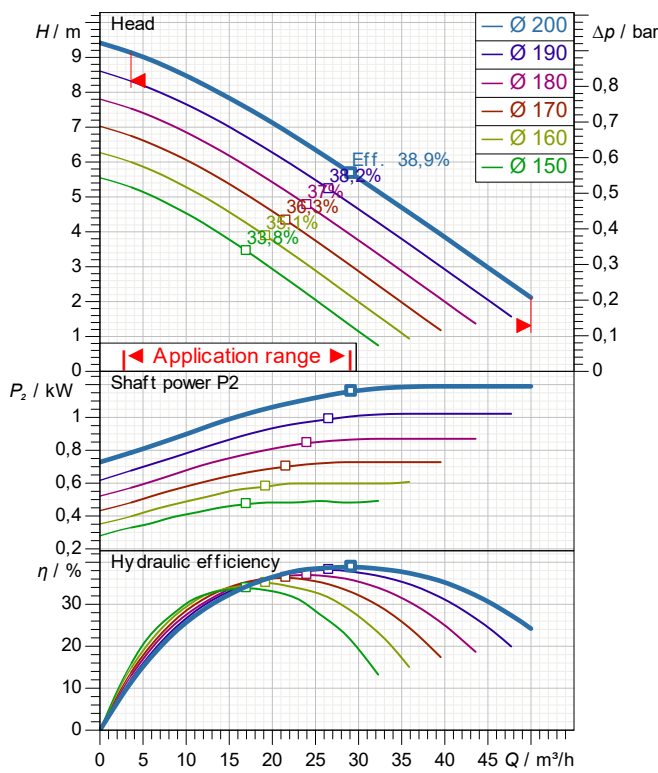
**Item-No.**  
**Design**                    **Submersible dirty water motor pumps**  
**Type / Coding**            **Amarex Fmax 065-150/016 F 4 US G**

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**demand data**

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

**Pump data**

Make                                    KSB  
Type                                    Amarex Fmax 065-150/016 F 4 US G  
Design                                Submersible dirty water motor p  
Specific design                    Single head pump  
No. of pumps                        1  
Standby pump                        No  
Max. fluid temperature         40 °C

**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 material         Grey cast iron EN-GJL-250 (A 48 Class 35B)  
Discharge cover                 Grey cast iron EN-GJL-250 (A 48 Class 35B)  
Shaft                                 1.4021  
Impeller                             Grey cast iron EN-GJL-250 (A 48 Class 35B)  
O-Rings                             Nitrile-butadiene-rubber NBR

**Dimensions**

Discharge flange standard      DN 65

**Rated motor data**

Power input (P1)                 2,13 kW  
Rated power (Pn)                1,67 kW  
Speed                                1.370 1/min  
Rated voltage                     400 V  
Rated current (In)                3,71 A

**Product information**

Ident. No./ type key             39120065  
Weight loaded                    65 kg  
Gross price                        5.096,38 EUR  
PL 2025-01-20  
Price group

