

**Tender text**

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2025-01-20

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Pos.no	Description	Item no.
	<b>Submersible dirty water motor pumps</b>	
	Amarex D-max 150-230/065F4USG	39110786
	<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 D / 150-230  
 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 : 226 mm  
 Free passage : 65 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	: 6,5 kW			
	Motor rating P1	: 7,89 kW			
	Motor efficiency	: 82,4%			
	Nominal current	: 13,40 A			
	Speed	: 1.403 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			
	<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 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			



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	<b>Shaft seal:</b>				
	2 independent mechanical seals arranged in the oil reservoir				
	Pump end				: Bellows-type mechanical seal
	Motor end				: Bellows-type mechanical seal,
	Carbon-Al <sub>2</sub> O <sub>3</sub>				
	Oil fill				: Environmentally friendly, non-toxic oil
	<b>Dimensions and connections:</b>				
	Nominal size, discharge side				: PN 16
	Nominal size, suction side				: DN 150
	Pump weight				: 134 kg
	<b>Purchase order information:</b>				
	Make				: KSB
	Type series / size				: Amarex D150-230
	Material price group				: 18
	Weight				: 134 kg
	<b>Item number</b>				<b>: 39110786</b>
	Motor: 654USG				

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**Data sheet: technical data**

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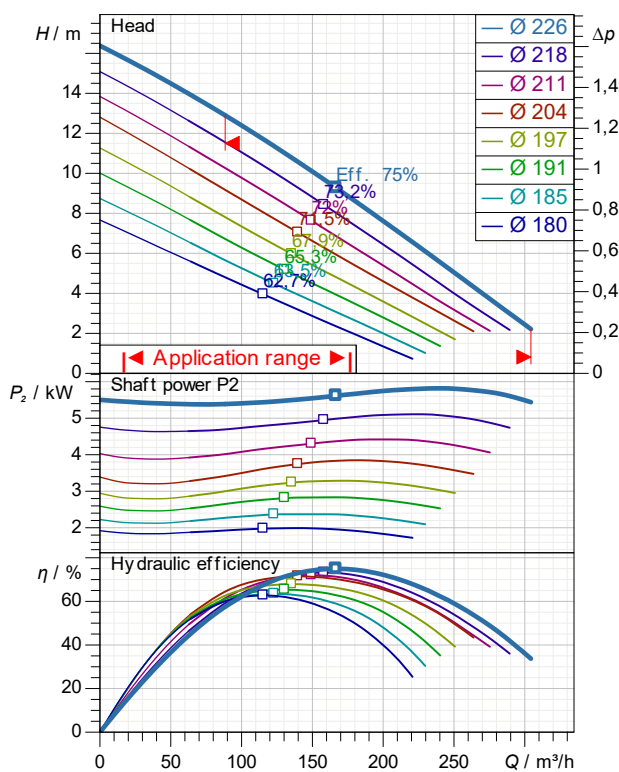
**Item-No.**  
**Design**                      **Submersible dirty water motor pumps**  
**Type / Coding**                **Amarex D-max 150-230/065F4USG**

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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 150-230/065F4USG  
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 150

**Rated motor data**

Power input (P1)                                      7,89 kW  
Rated power (Pn)                                      6,5 kW  
Speed    1.403 1/min  
Rated voltage    400 V  
Rated current (In)                                      13,4 A

**Product information**

Ident. No./ type key                                      39110786  
Weight loaded    134 kg  
Gross price    15.910,48 EUR  
PL 2025-01-20  
Price group

