

Tender text

Project name

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Customer

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2025-01-20

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex D-max 150-230/065F4USG2	39110789
	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 / 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			
	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-Al ₂ O ₃				
	Oil fill	: Environmentally friendly, non-toxic oil			
	Dimensions and connections:				
	Nominal size,	: PN 16			
	discharge side				
	Nominal size,	: DN 150			
	suction side				
	Pump weight	: 134 kg			
	Purchase order information:				
	Make	: KSB			
	Type series / size	: Amarex D150-230			
	Material price group	: 18			
	Weight	: 134 kg			
	Item number	: 39110789			
	Motor: 654USG		1		

Data sheet: technical data

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Item-No.

Design

Type / Coding

Submersible dirty water motor pumps

Amarex D-max 150-230/065F4USG2

Company

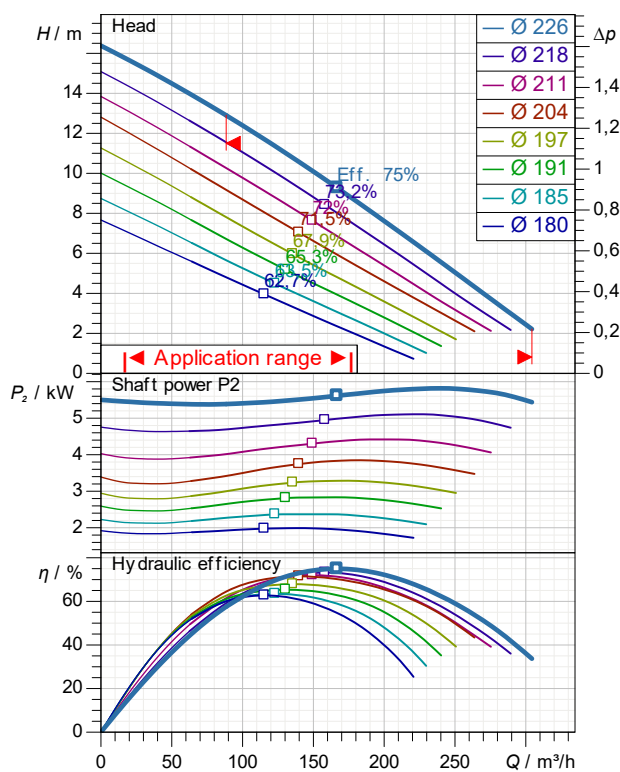
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demand data

Flow

Total head

Geodetic head

Media

Liquid temperature

Water

20 °C

Pump data

Make

Type

Design

Specific design

No. of pumps

Standby pump

Max. fluid temperature

KSB

Amarex D-max 150-230/065F4USG2

Submersible dirty water motor p

Single head pump

1

No

Hydraulic data (Duty point)

Flow

Head

Material / sealing element

Casing

Cover

Suction cover

Suction cover material

Discharge cover

Shaft

O-Rings

Impeller

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Grey cast iron EN-GJL-250 (A 48 Class 35B)

D-flector

Ductile cast iron EN-GJS-600-3

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Stainless steel EN-1.4021+QT800 (A 276 Type 420)

Nitrile-butadiene-rubber NBR

Chilled cast iron EN-GJN-HB555 (A 532 II B 15% Cr)

Dimensions

Discharge flange standard

DN 150

Rated motor data

Power input (P_1)

Rated power (P_n)

Speed

Rated voltage

Rated current (I_n)

7,89 kW

6,5 kW

1.403 1/min

400 V

13,4 A

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

Price group

39110789

134 kg

17.293,35 EUR

