

Tender text

Project name
Project ID

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2025-01-20

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex NS 050-172/012 ULG-160	39100021
	Amarex NS without explosion protection	
	<p>KSB Amarex NS submersible motor pump for waste water applications, made of grey cast iron, in vertical, close-coupled, floodable design for wet installation, single-stage, with three-phase motor to VDE Standards, protected against overheating by a temperature limiter, power cable, with absolutely water-tight cable entry.</p>	
	<p>Pump set : Without installation kit Impeller type : S Cutter : No</p>	
	Operating data	
	<p>Fluid handled : Water Flow rate : Head : Operating temperature : 20 °C</p>	
	Drive	
	<p>Nominal voltage : 3~400 V Nominal frequency: 50 Hz Starting method : DOL Enclosure : IP68 to EN 60529 / IEC 529 Explosion protection : No Max. fluid temperature : 55 °C</p>	
	<p>Thermal motor protection : Bimetal Nominal power P1 : 3,40 kW Nominal power P2 : 1,9 kW Nominal current : 4,50 A Speed : 2.918 1/min Cable length : 10 m</p>	
	Materials	
	<p>Pump casing : EN-GJL-250 Intermediate casing : EN-GJL-250 Impeller : EN-GJL-250</p>	



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Pump shaft / motor shaft	: 1.4021+QT800			
	Cutter	: 1.2080+A (K100)			
	Sealing elements	: Nitrile butadiene rubber (NBR)			
	Coating	: Two-component epoxy resin, RAL 5002			
	Shaft seal	: Double mechanical seal (bi-directional)			
	Pump end	: SiC/SiC mechanical seal			
	Motor end	: Carbon/Al2O3 mechanical seal			
	Dimensions and connections				
	Impeller diameter	: 160 mm			
	Free passage	: 6 mm			
	Nominal diameter, discharge side	: PN 16			
	Suction nominal size	: DN 50			
	Purchase order information				
	Approx. net weight	: 47 kg			
	Make	: KSB			
	Type series	: Amarex N			
	Size	: 050-172S			
	Material price group	: 19			
	Material number	: 39100021			

Data sheet: technical data

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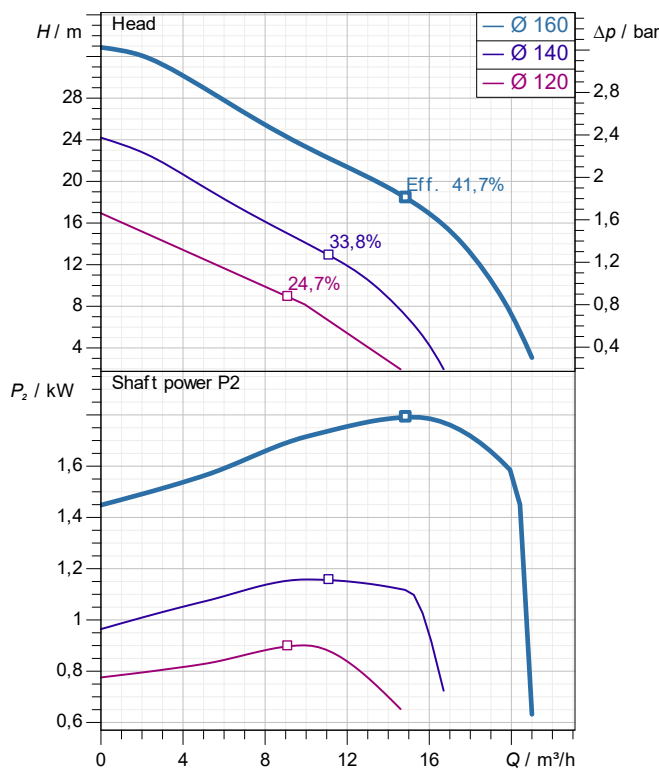
Item-No.
Design **Submersible dirty water motor pumps**
Type / Coding **Amarex NS 050-172/012 ULG-160**

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demand data

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

Pump data

Make KSB
Type Amarex NS 050-172/012 ULG-160
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

Pump casing Grey cast iron JL1040
Shaft Chrome steel 1.4021+QT800
Impeller Grey cast iron JL1040
Cutter 1.2842+A

Dimensions

Discharge flange standard DN 50

Rated motor data

Power input (P1) 3,4 kW
Rated power (Pn) 1,9 kW
Speed 2.918 1/min
Rated voltage 400 V
Rated current (In) 4,5 A

Product information

Ident. No./ type key 39100021
Weight loaded 47 kg
Gross price 3.155,28 EUR
PL 2025-01-20
Price group 19