



Tender text

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| Pos.no | Description | Item no. |
|--------|--|----------|
| | Submersible dirty water motor pumps | |
| | Amarex D-max 100-230/035F4USG | 39110760 |
| | 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 / 100-230
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 : 220 mm
Free passage : 48 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 | : 3,55 kW | | | |
| | Motor rating P1 | : 4,41 kW | | | |
| | Motor efficiency | : 80,5% | | | |
| | Nominal current | : 7,56 A | | | |
| | Speed | : 1.376 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 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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| 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-Al2O3 | : | | | |
| | Oil fill | : | | Environmentally friendly, non-toxic oil | |
| | Dimensions and connections: | | | | |
| | Nominal size, discharge side | : | | PN 16 | |
| | Nominal size, suction side | : | | DN 100 | |
| | Pump weight | : | | 114 kg | |
| | Purchase order information: | | | | |
| | Make | : | | KSB | |
| | Type series / size | : | | Amarex D100-230 | |
| | Material price group | : | | 18 | |
| | Weight | : | | 114 kg | |
| | Item number | : | | 39110760 | |
| | Motor: 354USG | : | | | |

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Data sheet: technical data

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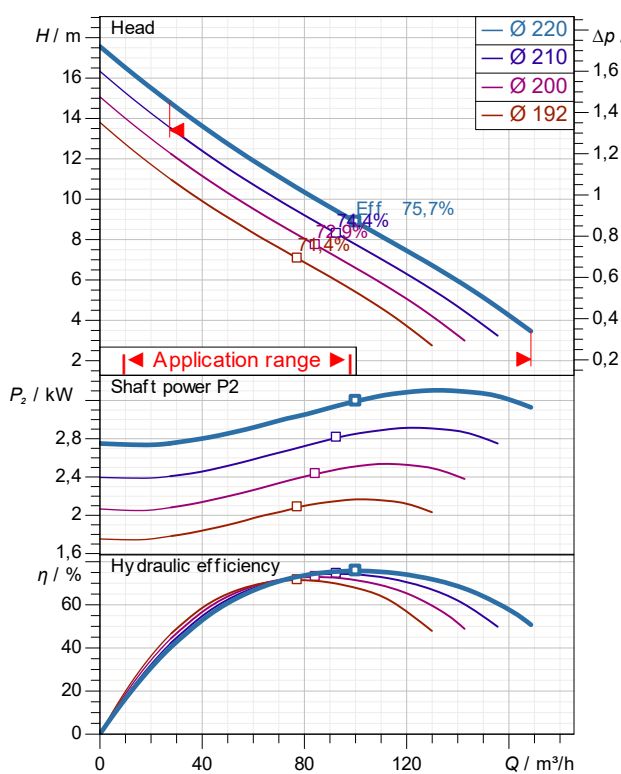
Item-No.
Design **Submersible dirty water motor pumps**
Type / Coding **Amarex D-max 100-230/035F4USG**

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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 100-230/035F4USG
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 100

Rated motor data

Power input (P1) 4,41 kW
Rated power (Pn) 3,55 kW
Speed 1.376 1/min
Rated voltage 400 V
Rated current (In) 7,56 A

Product information

Ident. No./ type key 39110760
Weight loaded 114 kg
Gross price 12.861,82 EUR
PL 2025-01-20
Price group

