Datasheet Submersible Pump

H08K-M01 + HE090X4-XBEK1AC

Project / Date:
Customer:
Job No. / Order No.:
Pump Title:

Hydraulic

Suction Nozzle:	**250 mm drilled to PN 10**
Discharge Nozzle:	**200 mm drilled to PN 10**
Type:	**H08K**
Regulable:	**no**
Impeller:	**M**
Free passage:	**145 mm**
Inspection cover:	**yes**

Motor

Type Hidrostal:	**HE090X4 - immersible**
Nominal Rating Pn:	**75,0 kW**
Voltage / Frequency:	**400 V / 50 Hz**
Speed:	**1484 rpm**
Nom. Current / cos ϕ:	**131.0 A / 0.89**
Starting Current IA/IN:	**7.6**
Winding Protection:	**Bimetal switch**
Starting Method:	**Direct**
Cable length:	**10 m**
Cable details:	**4x50mm², Ø39.4mm, 5x1.5mm², Ø11.0mm, 4x1.5mm², Ø10.1mm**
Cable mat. / screened:	**EPR/PUR / no**
Ex-Proof:	**no**
Enclosure:	**IP 68**
Insulation:	**F**
Fly Wheel:	**no**
Insulated Roller Bearings:	**no**
Oil volume:	**46,0 l**

Material of Hydraulic

Volute Casing:	**0.6025 (GG25)**
Impeller:	**0.7060 (GGG60)**
Liner:	**0.6020 (GG20)**
Seal parts:	**0.6020 (GG20)**
Shaft:	**1.4021 (X20Cr13)**
Seal motorside:	**76 mm / F-Type - C/SiC**
Seal pumpside:	**75 mm / X-Type - SiC/WC**
O-Rings:	**Nitrile**

Instrumentation

Conductivity probe:	**yes**
Float Switch:	**yes**
Bearing Temp. Probe:	**Dry Chamber**
Temperature probe:	**no**

Miscellaneous

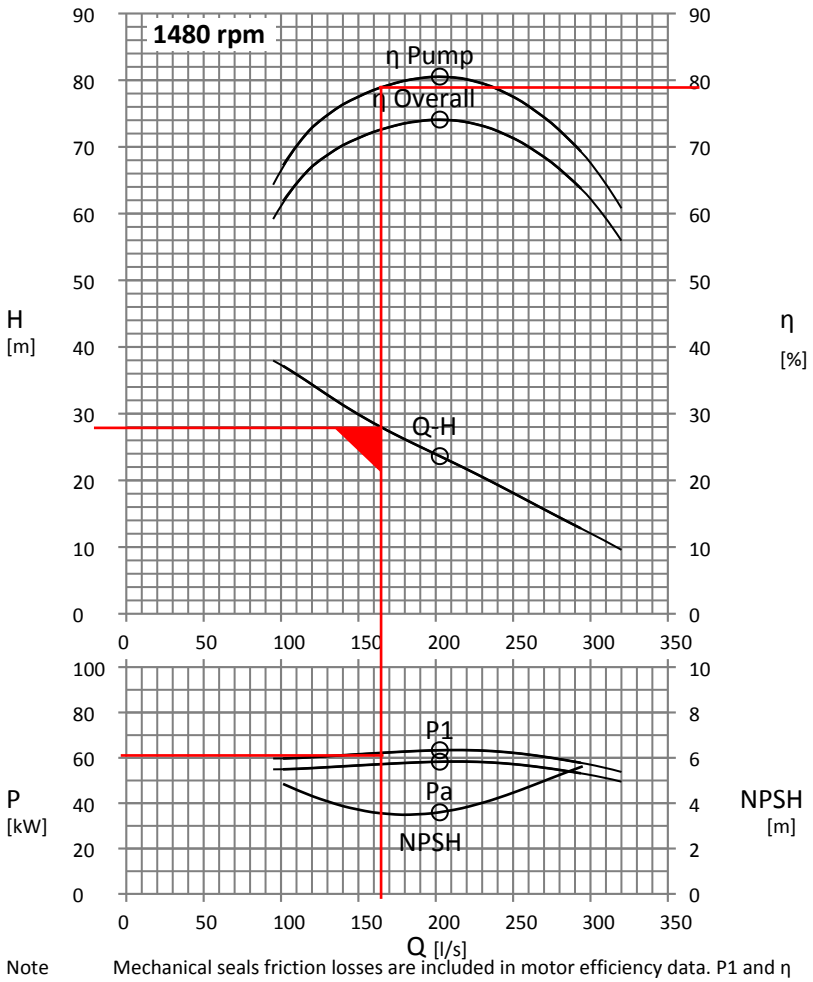
Pump Weight:	**~ 1101 kg**
Painting:	**Standard Painting**
Paint Thickness:	**150µm, Standard RAL 5010**

Accessories

Lowering Device:	**AB+AS-08/08**
Discharge Nozzle:	**200 mm drilled to PN 10**
Chain Type and Length:	
Weight:	**149 kg**

Guarantee point:

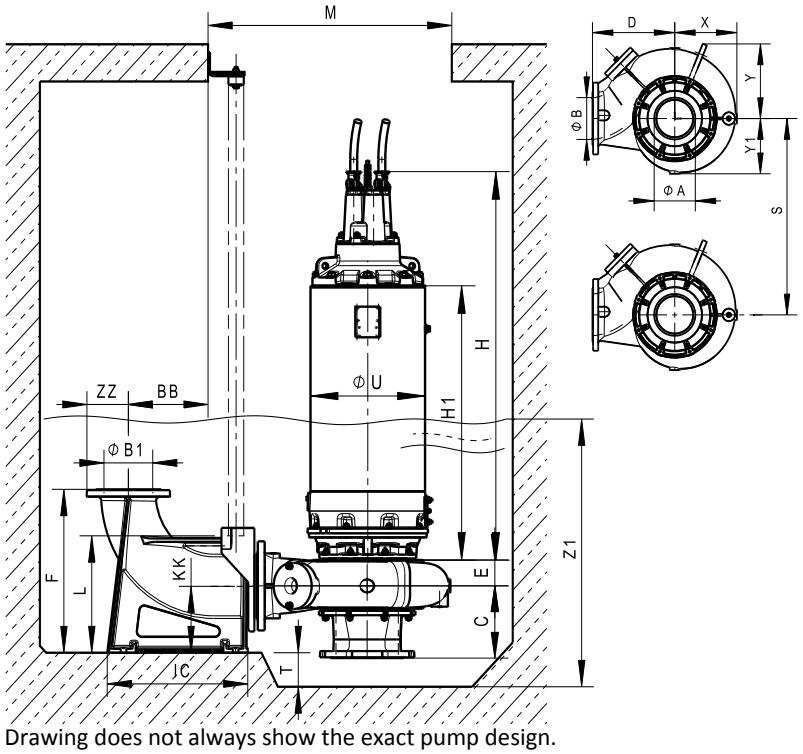
Q = 165 LPS; H = 28 m
Power absorb = 60kw
Efficiency = 78%



Note: Mechanical seals friction losses are included in motor efficiency data. P1 and η overall are only valid for direct grid operation without VFD Testing according to ISO 9906:2012-3B

Drawing dimensions

A	**250 mm**	KK	**250 mm**
B	**200 mm**	L	**440 mm**
C	**328 mm**	M	**1000 mm**
D	**530 mm**	S	**950 mm**
E	**132 mm**	T	**223 mm**
X	**385 mm**	Z1	**2 * (v2 / 2g)**
Y	**420 mm**	ZZ	**172 mm**
Y1	**345 mm**		
H	**1451 mm**		
H1	**940 mm**		
U	**513 mm**		
B1	**200 mm**		
BB	**327 mm**		
F	**615 mm**		
IC	**577 mm**		



Drawing does not always show the exact pump design.

Subject to change without prior notice