

Company:
Name:
Date: 02/02/2026



Pump:

Size: 100-200-3D
Type: 1.2 KR-TK-HD
Synch Speed: 1500 rpm
Dia: 280 mm
Curve: ---

Dimensions:
Suction: 125 mm
Discharge: 100 mm

Fluid:

Name: Seawater 3.5% Salinity
SG: 1.03
Density: 1023 kg/m³
Viscosity: 0.966 cP
Temperature: 25 °C

Vapor Pressure: 0.0311 bar a
Atm Pressure: 1.01 bar a
Margin Ratio: 1

Search Criteria:

Flow: 160 m³/hr
Head: 20 m
Near Miss: 25% of Head
Static Head: 0 m

Pump Limits:

Temperature: ---
Wkg Pressure: 4 bar g
Sphere Size: 26 mm
Power: 37 kW

Motor:

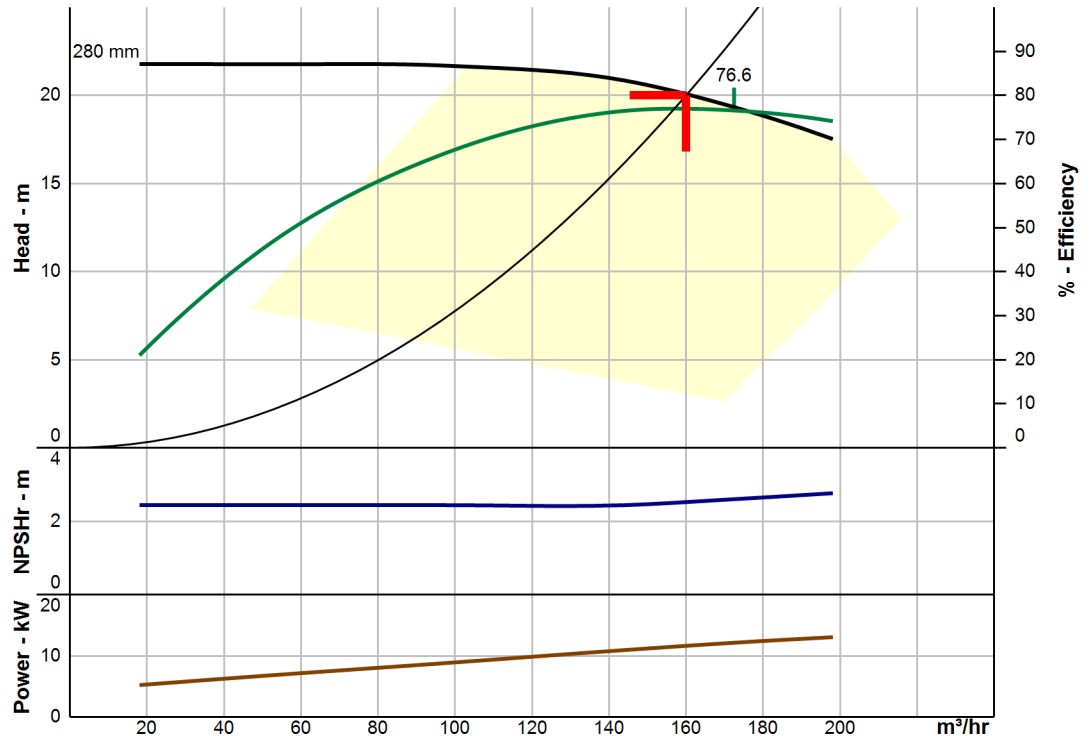
Standard: IEC
Enclosure: TEFC
Frame: 160L
Sizing Criteria: Sized by User
Min Motor Power: 5.5 kW
Max Motor Power: 37 kW

Size: 15 kW
Speed: 1500 rpm

Pump Selection Warnings:

None

--- Duty Point ---	
Flow:	160 m ³ /hr
Head:	20 m
Eff:	76.6%
Power:	11.6 kW
NPSHr:	2.53 m
Speed:	1307 rpm
--- Design Curve ---	
Shutoff Head:	21.8 m
Shutoff dP:	2.19 bar
Min Flow:	34.5 m ³ /hr
BEP:	76.6% @ 172 m ³ /hr
NOL Power:	13 kW @ 198 m ³ /hr
--- Max Curve ---	
Max Power:	13 kW @ 198 m ³ /hr



Please, take notice; for NPSHa < 7 m request quote for low NPSH seal and impeller configuration. Design your piping system for maximum 1 m/s in suction pipe and maximum 3 m/s in discharge pipe.

Performance Evaluation:

Flow m ³ /hr	Speed rpm	Head m	Efficiency %	Power kW	NPSHr m
192	1307	18	75	12.8	2.72
160	1307	20	77	11.6	2.53
128	1307	21.1	73	10.2	2.44
96	1307	21.7	66	8.74	2.44
64	1307	21.7	52	7.34	2.44