



C.R.I. PUMPS
Pumping trust. Worldwide.

Technical Data

Pump Model
ECW 100/250

Project Name : Untitled project 2025-03-22 10:19:23.013

Project ID :

Company Name :
Department :
Phone number :
e-mail address :

Requested Data

Flow : 152.7 m³/h
Head : 21.3 m

Fluid : Water
Density : 0.9983 kg/dm³
Viscosity : 1.005 mm²/s
Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 100/250
Inlet / Outlet size : 125x100
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 269 mm
Min.Impeller Diameter : 215 mm
Max.Impeller Diameter : 269 mm
Maximum Solid Size : 15 mm
Pump Weight (Approx) : 95 kg
Pump Standard : EN 733

Flow : 152 m³/h
Head : 21.11 m
Shutoff Head : 24.8 m
Shaft Power (BkW) : 10.75 kW
End of Power curve : 12.15 kW
Efficiency : 81.36 %
NPSHr Value : 2.581 m
Moment of Inertia : 0.586 kg m²
Operating Pressure : 2.068 bar
Maximum Allowable Pressure : 2.429 bar
Minimum Continuous Flow : 45.3 m³/h

Motor

Frequency : 50 Hz
Phase : 3~
Rated Voltage : 415 V
Rated current : 27 A
Rated Power P2 : 15 kW

Speed : 1450 1/min
Degree of Protection : IP 55
Insulation Class : F
Frame size : 160 M/L

Material of Construction

Flange Connections

Casing : ASTM A743 / A351 CF8
Impeller : ASTM A743 / A351 CF8
Stuffing Box : ASTM A743 / A351 CF8
Wear Ring : ASTM A743 / A351 CF8
Bearing Frame : ASTM A48 class 30B
Shaft : ASTM A276 AISI 304
Shaft Sleeve : ASTM A276 AISI 304
Shaft seal : GLAND PACKING

Suction Flange
Pressure rating : 16 bar
Nominal pipe size : 125
Standard : PN 16

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 100
Standard : PN 16



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Performance Curve

Pump Model
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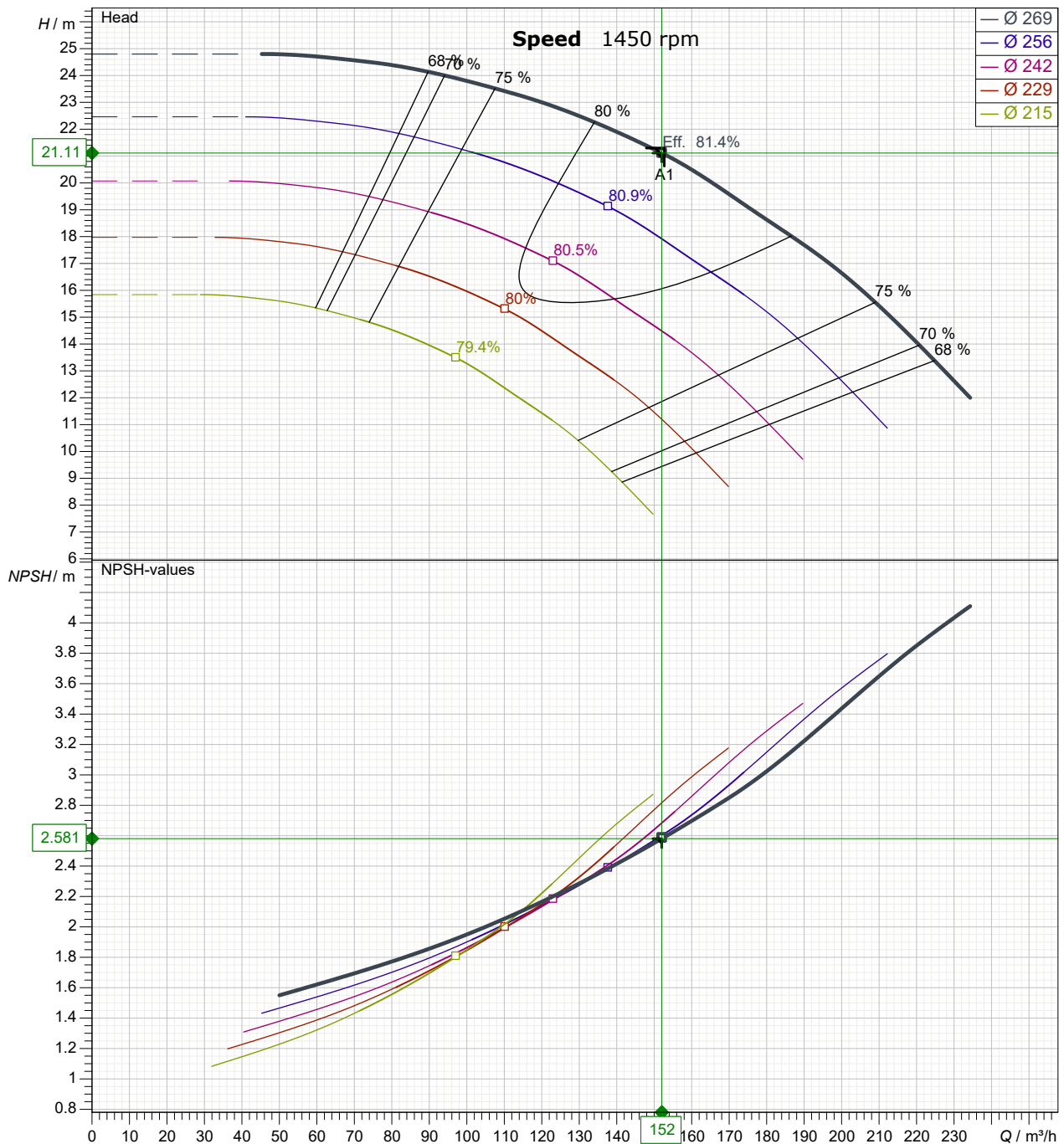
Company Name :

Department :

Phone number :

e-mail address :

Curve Tolerance ISO 9906 Grade 2B



Note:

- Performance is not guaranteed except for the rated point.
 - Curves specified are as per Specific gravity and viscosity of water 1.0,
 - Consider NPSH safety margin minimum of 0.5m .
- To select the motor size, read the value of the Power curve at the duty point



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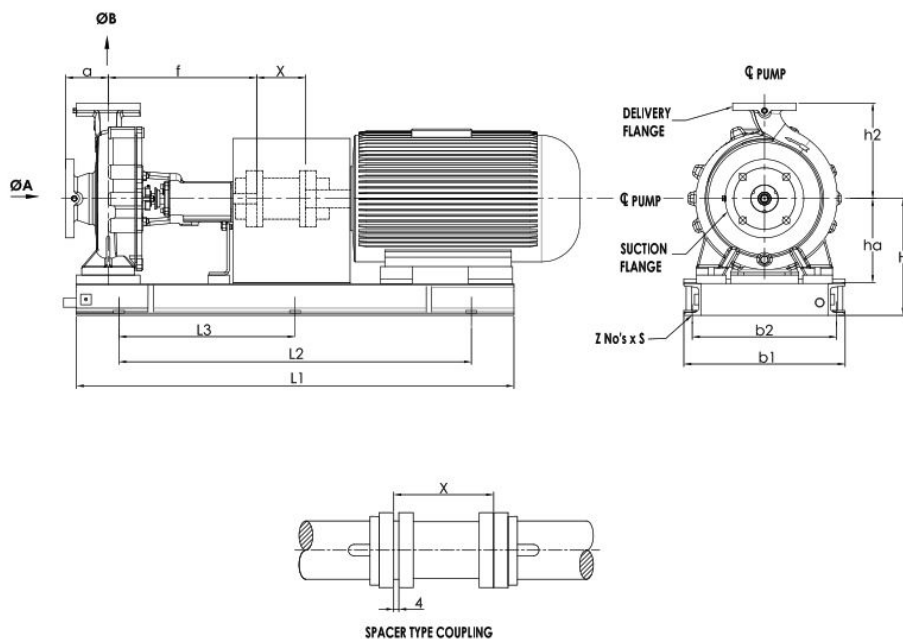
Dimensional Drawing

Pump Model
ECW 100/250

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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

a.	140			H.D-Discharge	19
b1.	420			H.D-Suction	19
b2	390			No.of Holes-Discharge	8
f	470			No.of Holes-Suction	8
H	320			Nominal Size (ØA)	125
h2	280			Nominal Size (ØB)	100
hA	245			P.C.D-Discharge	180
L1	1210			P.C.D-Suction	210
L2	1010				
L3	505				
Ø A	125				
Ø B	100				
S	14				
X	140				
Z	6				