



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

Technical Data

Pump Model
ECW 65/200

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

Project ID :

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

Requested Data

Flow : 112 m³/h
Head : 63.25 m

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

Pump

Pump Model : ECW 65/200
Inlet / Outlet size : 80x65
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 219 mm
Min.Impeller Diameter : 176 mm
Max.Impeller Diameter : 219 mm
Maximum Solid Size : 23 mm
Pump Weight (Approx) : 47 kg
Pump Standard : EN 733

Operating Data

Flow : 56.36 m³/h
Head : 16.02 m
Shutoff Head : 16.5 m
Shaft Power (BkW) : 3.189 kW
End of Power curve : 4.32 kW
Efficiency : 75.22 %
NPSHr Value : 2.338 m
Moment of Inertia : 0.18 kg m²
Operating Pressure : 1.569 bar
Maximum Allowable Pressure : 1.616 bar
Minimum Continuous Flow : 15.3 m³/h

Motor

Frequency : 50 Hz
Phase : 3~
Rated Voltage : 415 V
Rated current : 10.6 A
Rated Power P2 : 5.5 kW

Speed : 1450 1/min
Degree of Protection : IP 55
Insulation Class : F
Frame size : 132 S

Material of Construction

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

Flange Connections

Suction Flange
Pressure rating : 16 bar
Nominal pipe size : 80
Standard : PN 16

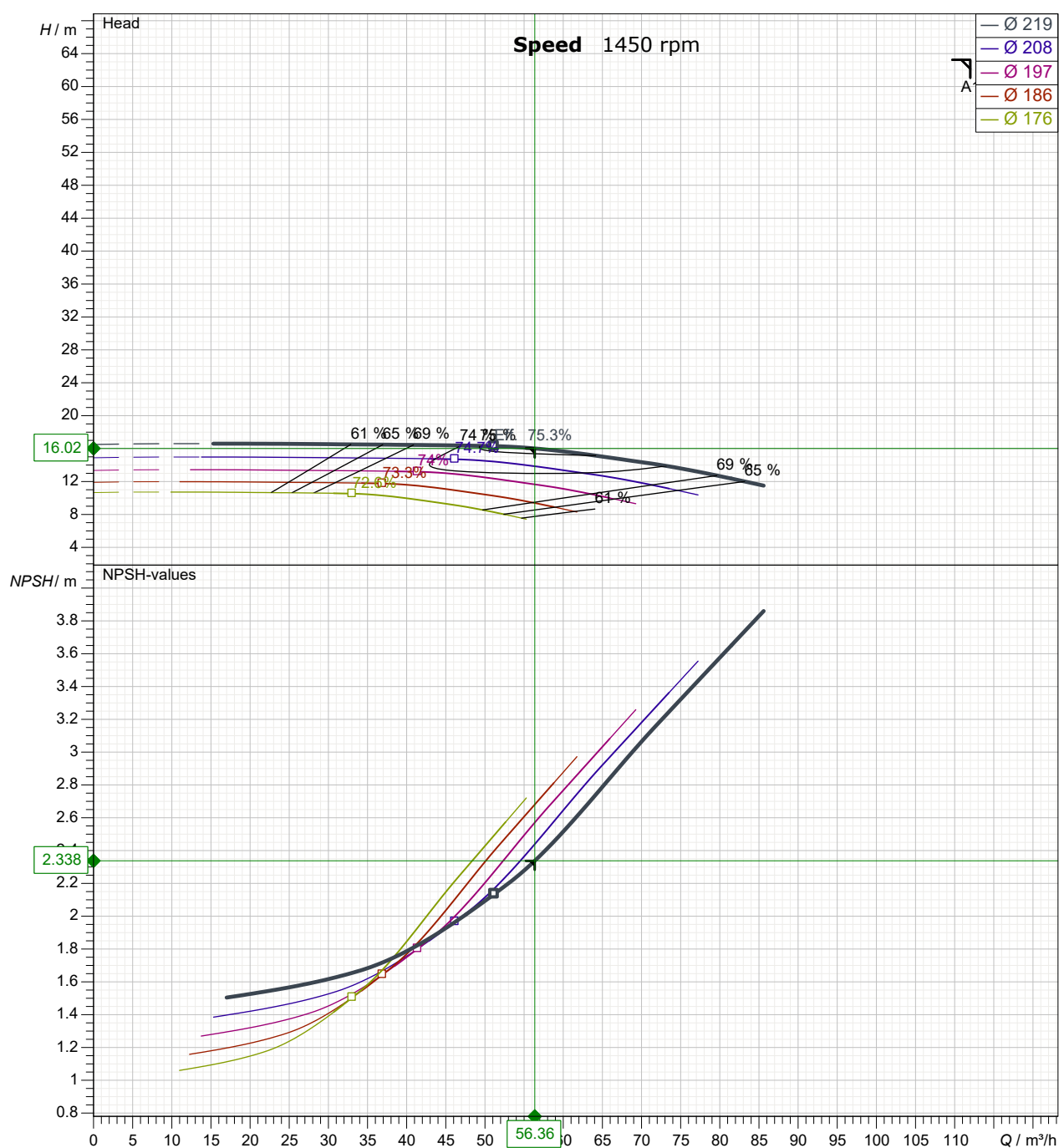
Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 65
Standard : PN 16

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Curve Tolerance ISO 9906 Grade 2B



Note:

- i. Performance is not guaranteed except for the rated point.
- ii. Curves specified are as per Specific gravity and viscosity of water 1.0,
- iii. 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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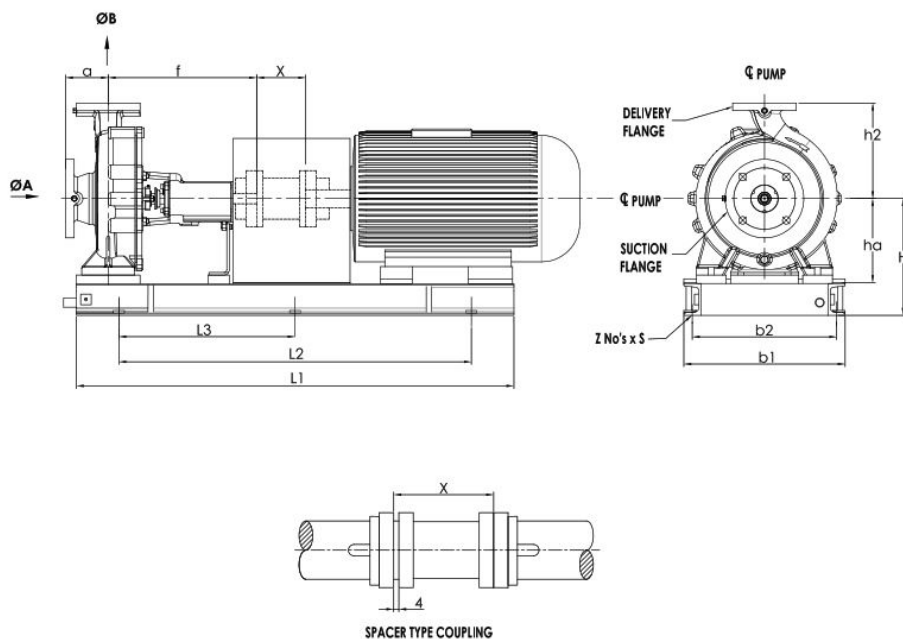
Dimensional Drawing

Pump Model
ECW 65/200

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

Dimensions in mm

a	100			H.D(Delivery)	19
b1	380			H.D(Suction)	19
b2	350			No.of Holes-Discharge	4
f	360			No.of Holes-Suction	8
H	275			Nominal Size (ØA)	80
h2	225			Nominal Size (ØB)	65
hA	200			P.C.D(Delivery)	145
L1	930			P.C.D(Suction)	160
L2	730				
L3	365				
Ø A	80				
Ø B	65				
S	14				
X	140				
Z	6				