



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

Technical Data

Pump Model
ECW 80/200

Project Name : Untitled project 2025-03-22 10:19:23.013	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 180.8 m ³ /h	Fluid : Water
Head : 60.71 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 80/200	Flow : 92.7 m ³ /h
Inlet / Outlet size : 100x80	Head : 15.96 m
Speed : 1450 1/min	Shutoff Head : 18.3 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 4.797 kW
Impeller type : Radial impeller	End of Power curve : 6.487 kW
Impeller Diameter : 220 mm	Efficiency : 82.92 %
Min.Impeller Diameter : 176 mm	NPSHr Value : 3.737 m
Max.Impeller Diameter : 220 mm	Moment of Inertia : 0.296 kg m ²
Maximum Solid Size : 24 mm	Operating Pressure : 1.563 bar
Pump Weight (Approx) : 72 kg	Maximum Allowable Pressure : 1.792 bar
Pump Standard : EN 733	Minimum Continuous Flow : 23.88 m ³ /h

Motor

Frequency : 50 Hz	Speed : 1450 1/min
Phase : 3~	Degree of Protection : IP 55
Rated Voltage : 415 V	Insulation Class : F
Rated current : 10.6 A	Frame size : 132 S
Rated Power P2 : 5.5 kW	

Material of Construction

Flange Connections

Casing : ASTM A743 / A351 CF8	Suction Flange
Impeller : ASTM A743 / A351 CF8	Pressure rating : 16 bar
Stuffing Box : ASTM A743 / A351 CF8	Nominal pipe size : 100
Wear Ring : ASTM A743 / A351 CF8	Standard : PN 16
Bearing Frame : ASTM A48 class 30B	
Shaft : ASTM A276 AISI 304	Discharge Flange
Shaft Sleeve : ASTM A276 AISI 304	Pressure rating : 16 bar
Shaft seal : GLAND PACKING	Nominal pipe size : 80
	Standard : PN 16



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

Performance Curve

Pump Model
ECW 80/200

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

Project ID :

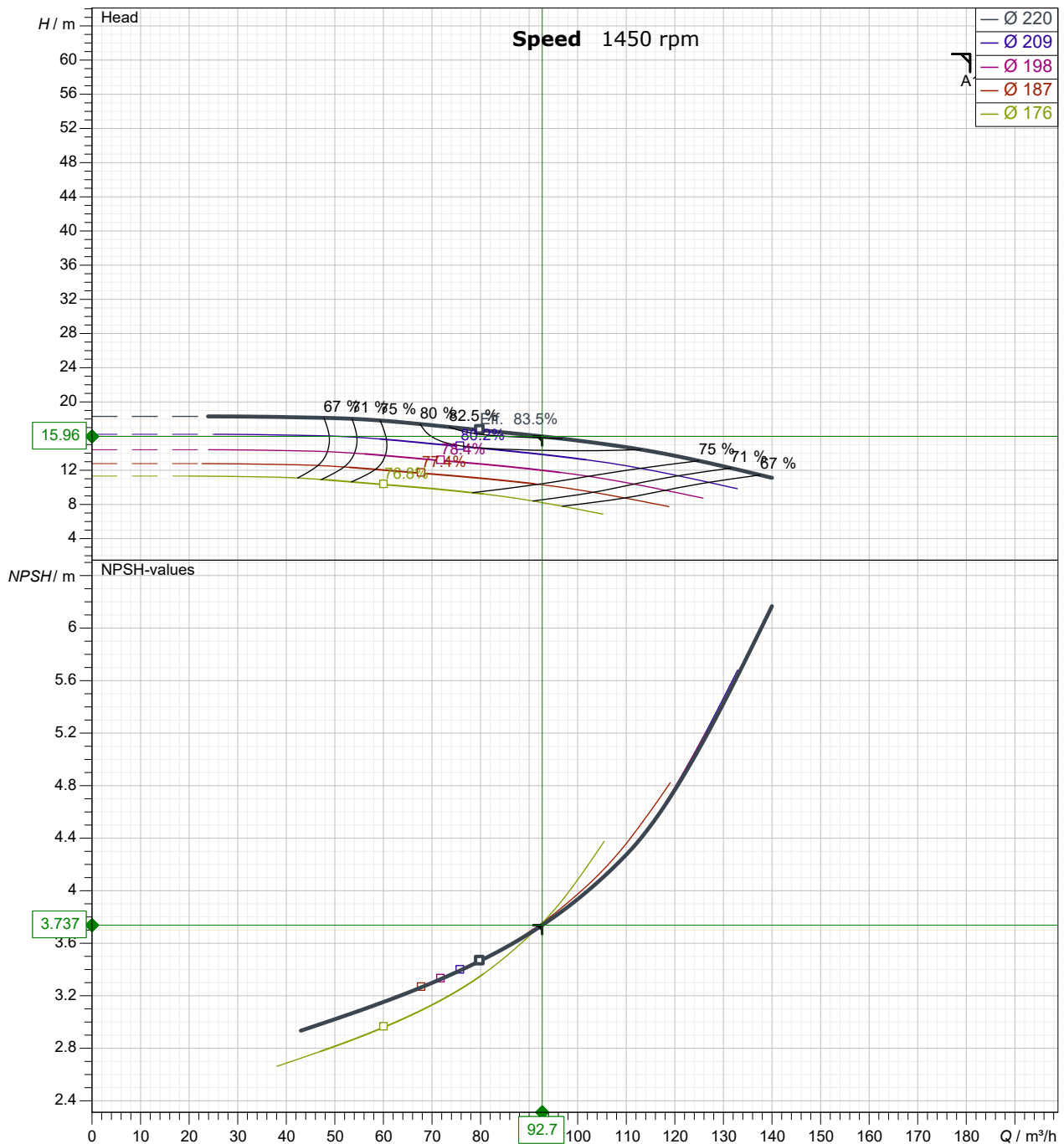
Company Name :

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



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

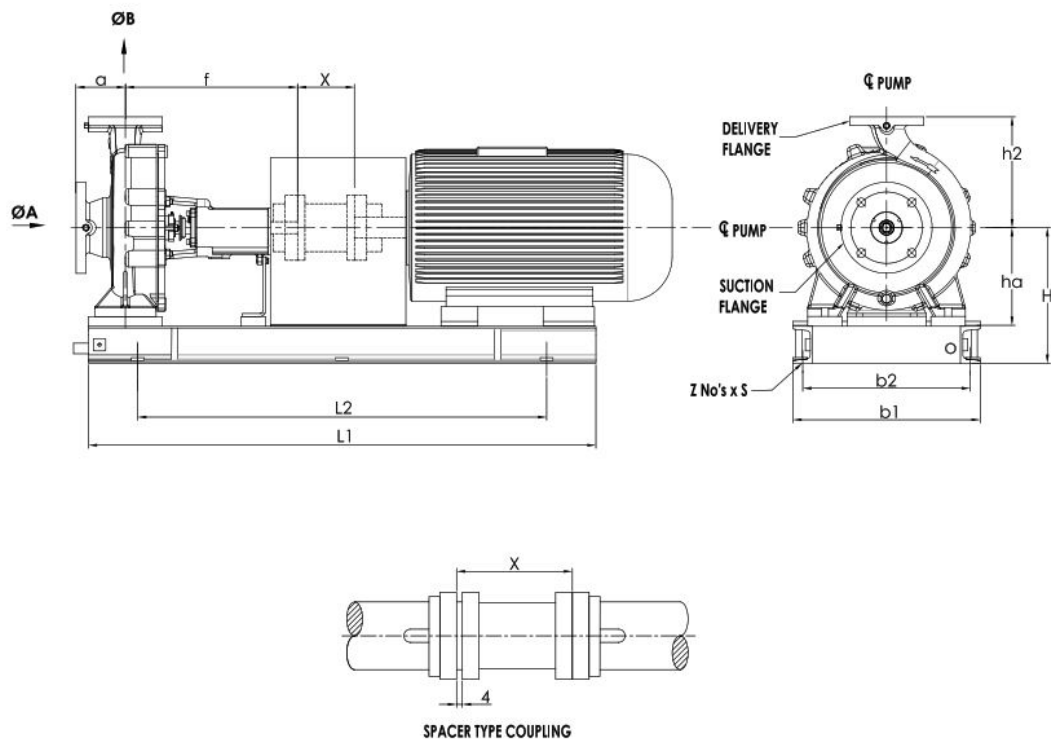
Dimensional Drawing

Pump Model
ECW 80/200

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

Project ID :

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



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

Dimensions in mm

a	125			H.D(Delivery)	19
b1	390			H.D(Suction)	19
b2	360			No.of Holes-Discharge	8
f	470			No.of Holes-Suction	8
H	275			Nominal Size (ØA)	100
h2	250			Nominal Size (ØB)	80
ha	200			P.C.D(Delivery)	160
L1	1035			P.C.D(Suction)	180
L2	835				
Ø A	100				
Ø B	80				
S	14				
X	140				
Z	4				