



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

Technical Data

Pump Model
CTC-80/160

Project Name : Untitled project 2025-10-30 10:00:52.276	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 174.9 m ³ /h	Fluid : Water
Head : 35.02 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C
	pH-value at t A :
	Vapour pressure at t A : 0.0234 bar

Pump

Pump Model : CTC-80/160	Minimum Continuous Flow : 60 m ³ /h
No. of Stages : 1	Flow Nominal : 175.3 m ³ /h
Inlet / Outlet size : 100 x 80	Max- : 210.4 m ³ /h
Speed : 2900 1/min	Min- : 60 m ³ /h
Direction of Rotation : Clockwise from the drive end	Head Nominal : 35 m
Impeller type : Radial impeller	Max- : 44.12 m
Impeller Design : Closed	Min- : 28.47 m
Pumpset Weight (Approx) : 183 kg	Efficiency Overall Efficiency : 74.2 %
Pump Standard :	Pump Efficiency : 81.28 %

Motor

Motor Model : CTC-80/160	Insulation Class : F
Frequency : 50 Hz	Frame size : 160
Phase : 3~	Degree of Protection : IP 55
Rated Voltage : 380 V	Method of Starting : Star-delta
Rated current : 42.2 A	Service factor : 1.15
Rated Power P2 : 22 kW	Power factor : 0.89
Speed : 2900 1/min	
Efficiency : 91.3 %	
Motor Standard :	

Material of Construction

Pump casing	Cast Iron
Impeller	Cast Iron
Mechanical seal	Sic/Carbon/SS 304
O' Ring	Rubber
Oil Seal	Rubber
Shaft	Carbon Steel
Motor Case	Aluminium
Back Cover	Cast Iron
Fan Cover	Aluminium
Fan	Plastic
Counter/companion Flange	Galvanized Cast Iron



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Performance Curve

Pump Model
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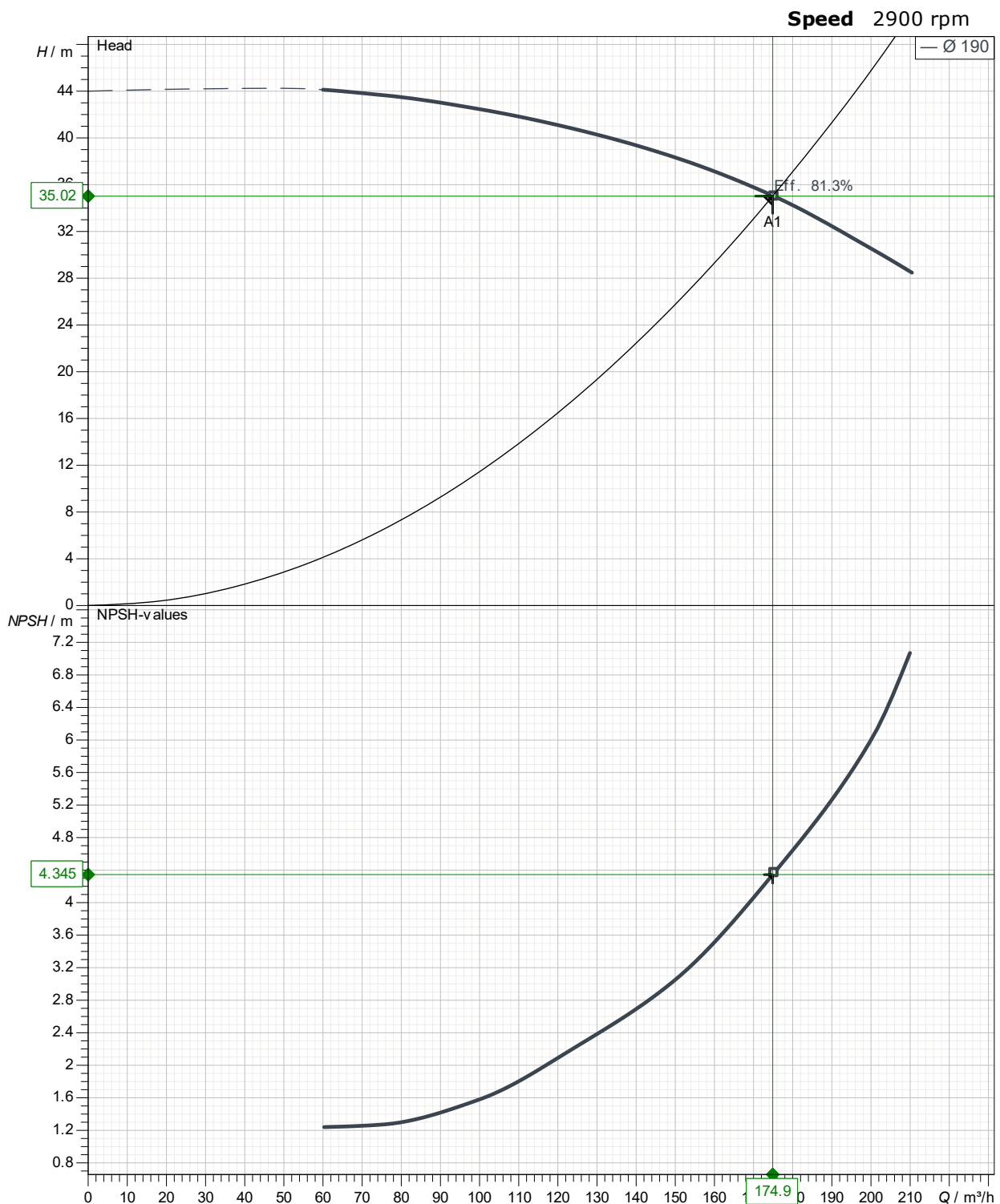
Company Name :

Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906

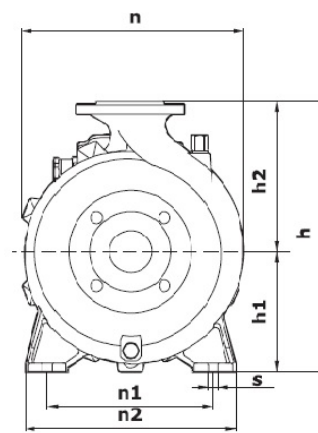
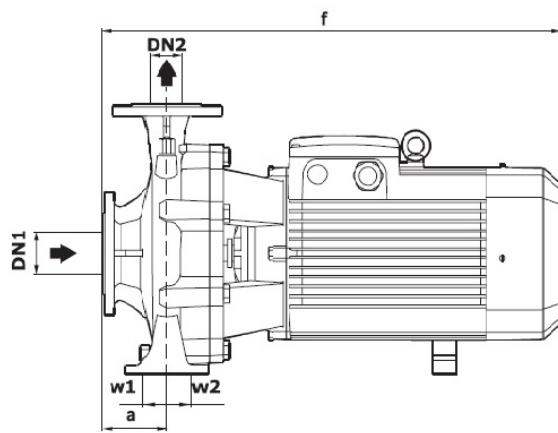




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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

a	88	w1	49
DN1	100	w2	49
DN2	80		
f	750		
h	435		
h1	186		
h2	250		
n	330		
n1	255		
n2	332		