



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

Technical Data

Pump Model
S10S-125/04

Project Name : Untitled project 2025-03-21 17:37:15.521

Project ID :

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

Requested Data

Flow	: 124.9 m ³ /h	Fluid	: Water
Head	: 79.64 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	: S10S-125/04	Minimum Continuous Flow	: 40 m ³ /h
No. of Stages	: 4	Flow Nominal	: 124.6 m ³ /h
Outlet Size	: 150	Max-	: 162.2 m ³ /h
Speed	: 2900 1/min	Min-	: 40 m ³ /h
Direction of Rotation	: Counter clockwise	Head Nominal	: 77.79 m
Impeller type	: Mixed Flow Impeller	Max-	: 111.4 m
Impeller Design	: Closed	Min-	: 50.22 m
pump weight(Approx)	: 49.05 kg	Efficiency Overall Efficiency	: 68.75 %
Pump Standard	:	Pump Efficiency	: 80.05 %

Motor

Motor Model	: W8B-450DI	Motor Standard	:
Frequency	: 50 Hz	Insulation Class	: Y
Phase	: 3~	Degree of Protection	: IP 68
Rated Voltage	: 380 V	Method of Starting	: Star-delta
Rated current	: 94.5 A	Service factor	: 1
Rated Power P2	: 45 kW	Power factor	: 0.87
Speed	: 2900 1/min	No.of.starts per hour	: 15
Efficiency	: 84 %	Starting current	:
Motor Weight (Approx)	: 164 kg	Starting torque	:

Material of Construction

Pump

Check Valve Housing	S.S 304
Check Valve Disc	S.S 304
Check Valve Seat	Nitrile Butyle Rubber
Diffuser Chamber	S.S 304
Impeller	S.S 304
Split Cone with Nut	S.S 304
Impeller Wearing / Seal Ring	Nitrile Butyle Rubber
Upthrust Washer / Stop Ring	S.S 420
Intermediate Bearing	Nitrile Butyle Rubber
Suction Interconnector	S.S 304
Inlet Screen	S.S 304
Pump Shaft	S.S 431
Coupling Splines	S.S 329
Locking Strap	S.S 304
Cable Guard	S.S 304

Motor

Shaft Seal Housing	Cast Iron
Shaft Seal / Mechanical Seal	Nitrile Rubber / Ceramic - Carbon , SiC
Upper & Lower Housings	Cast Iron
Stator Shell	SS 304
Thrust Pad	Carbon Graphite
Thrust Bearing	SS 420
Diaphragm	High Nitrile Rubber
Motor Base	Cast Iron
Shaft	EN-8
Shaft Extension	S.S 410
Sleeves	SS 431



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Performance Curve

Pump Model
S10S-125/04

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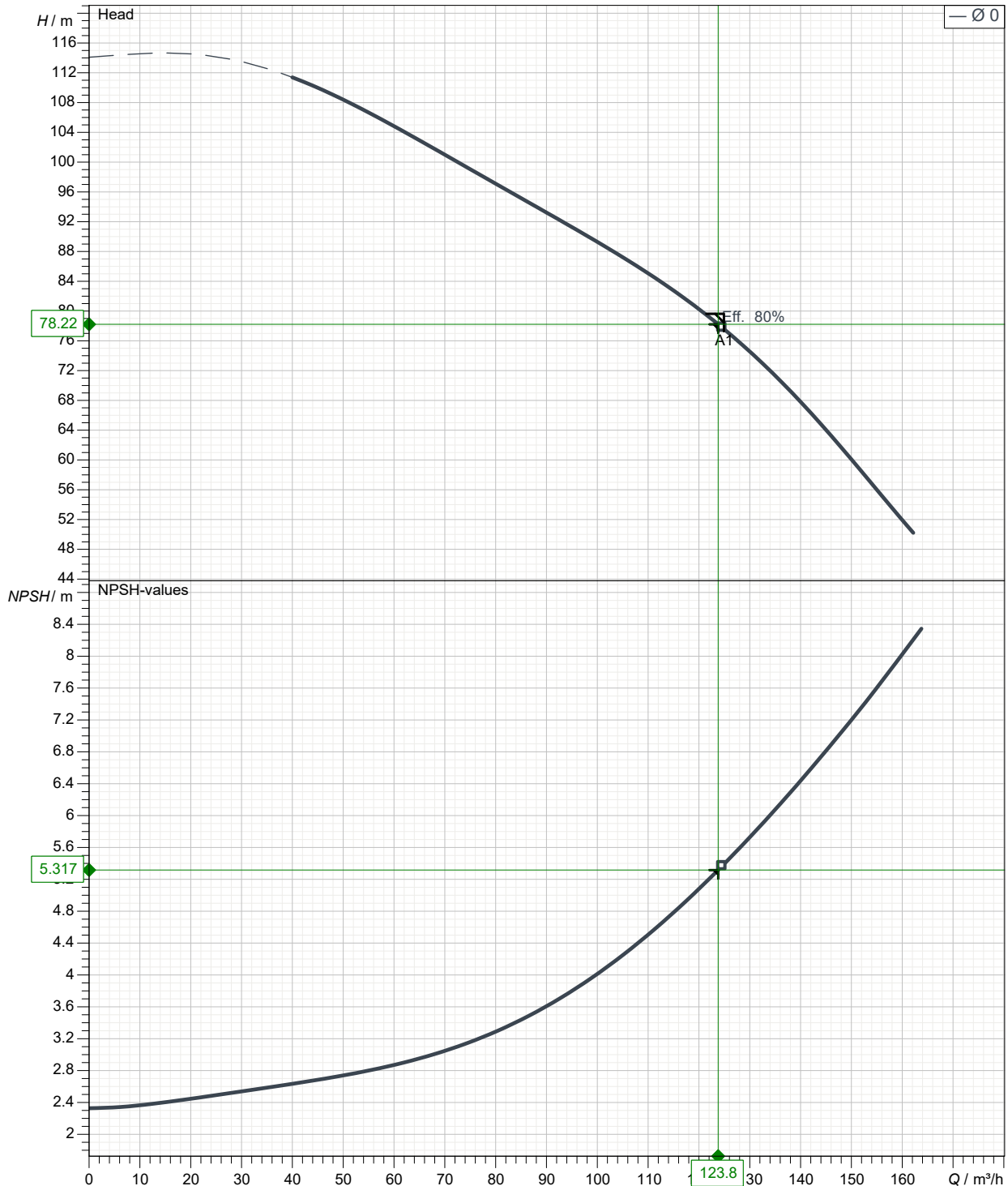
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm





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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

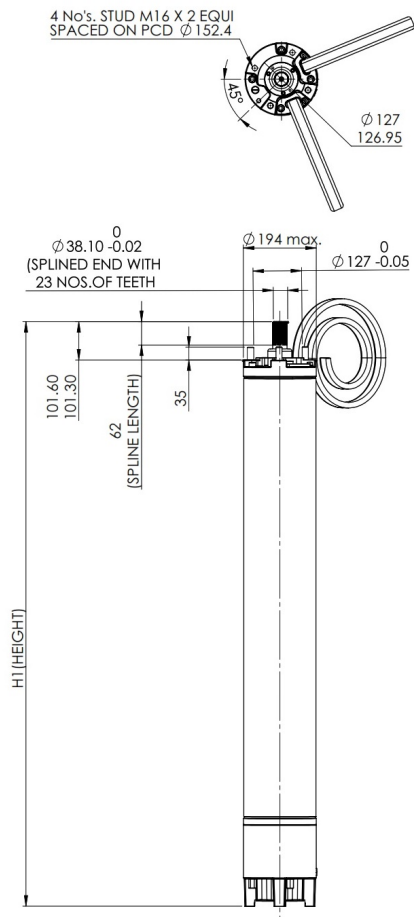
H	1106		
OD-DOL	204		
OD-SD	207		
RP	150		



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Dimensions in mm

H1	1195		
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Performance Curve

Motor Model
W8B-450DI

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Project ID :

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Curve Tolerance ISO : 9906, Grade-3B

