



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

Technical Data

Pump Model
S10S-160/04RR

Project Name : Untitled project 2025-03-21 17:37:15.521	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 158 m ³ /h	Fluid : Water
Head : 71.64 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-160/04RR	Minimum Continuous Flow : 50 m ³ /h
No. of Stages : 4	Flow Nominal : 157.8 m ³ /h
Outlet Size : 150	Max- : 200.4 m ³ /h
Speed : 2900 1/min	Min- : 50 m ³ /h
Direction of Rotation : Counter clockwise	Head Nominal : 70.86 m
Impeller type : Mixed Flow Impeller	Max- : 106.3 m
Impeller Design : Closed	Min- : 42.98 m
pump weight(Approx) : 48.93 kg	Efficiency Overall Efficiency : 67.24 %
Pump Standard :	Pump Efficiency : 78.32 %

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		Motor	
Check Valve Housing	S.S 304	Shaft Seal Housing	Cast Iron
Check Valve Disc	S.S 304	Shaft Seal / Mechanical Seal	Nitrile Rubber / Ceramic - Carbon , SiC
Check Valve Seat	Nitrile Butyle Rubber	Upper & Lower Housings	Cast Iron
Diffuser Chamber	S.S 304	Stator Shell	SS 304
Impeller	S.S 304	Thrust Pad	Carbon Graphite
Split Cone with Nut	S.S 304	Thrust Bearing	SS 420
Impeller Wearing / Seal Ring	Nitrile Butyle Rubber	Diaphragm	High Nitrile Rubber
Upthrust Washer / Stop Ring	S.S 420	Motor Base	Cast Iron
Intermediate Bearing	Nitrile Butyle Rubber	Shaft	EN-8
Suction Interconnector	S.S 304	Shaft Extension	S.S 410
Inlet Screen	S.S 304	Sleeves	SS 431
Pump Shaft	S.S 431		
Coupling Splines	S.S 329		
Locking Strap	S.S 304		
Cable Guard	S.S 304		



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Performance Curve

Pump Model
S10S-160/04RR

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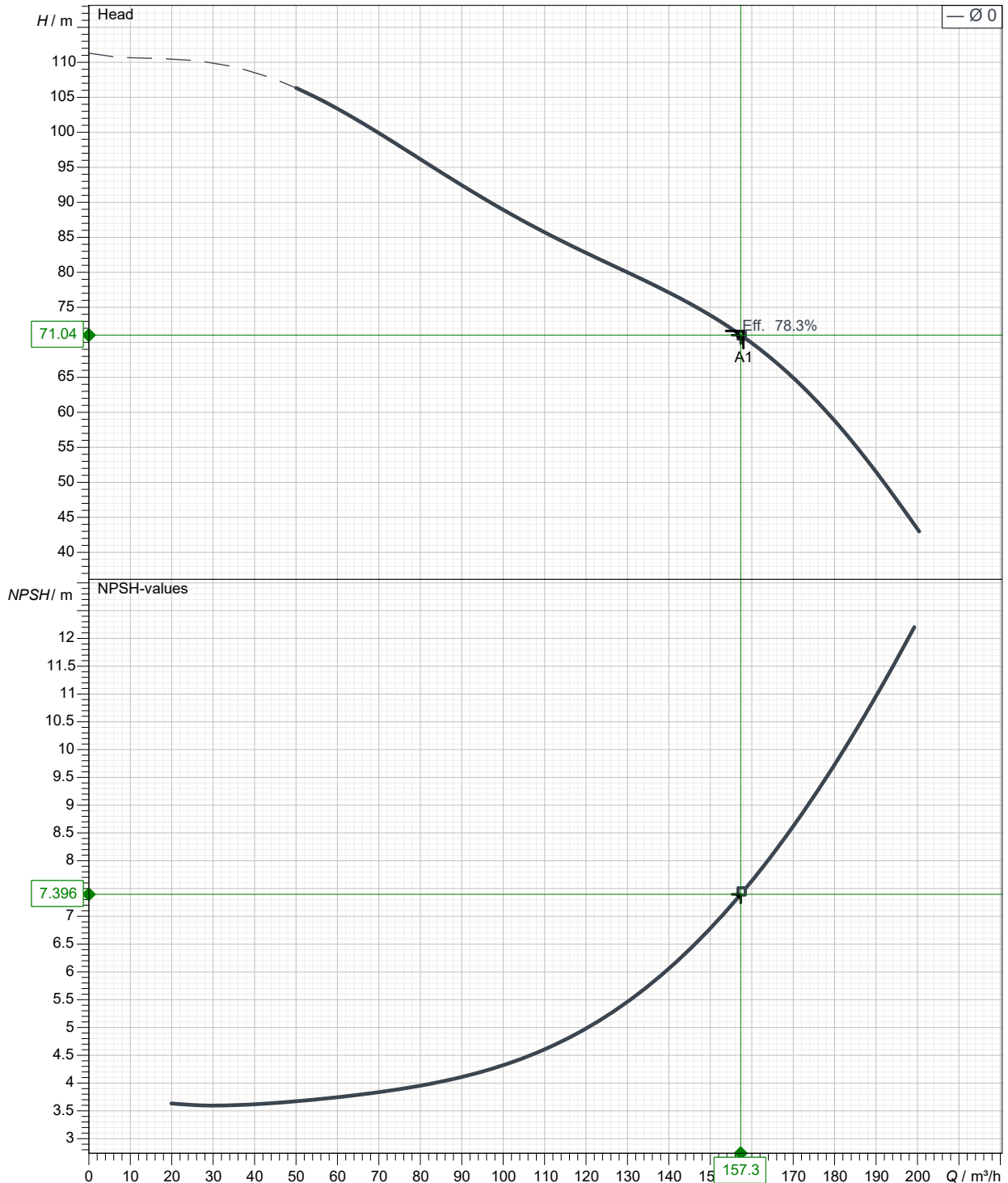
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm





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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

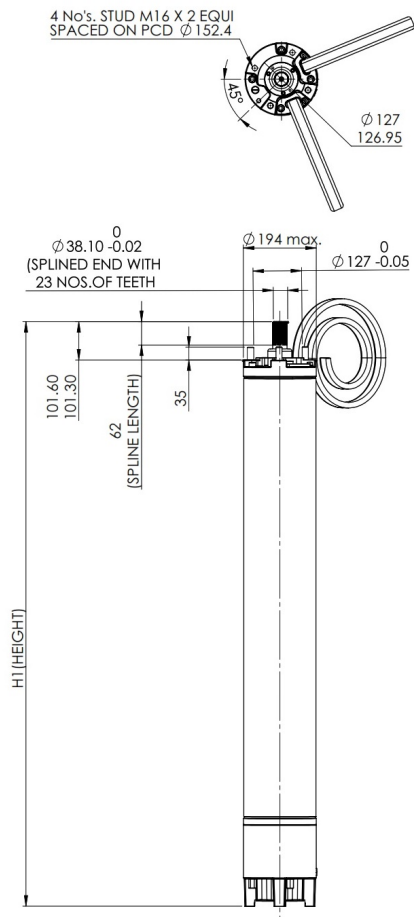
H	1114		
OD-DOL	208		
OD-SD	211		
RP	150		



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Dimensions in mm

H1	1195		
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Motor Model
W8B-450DI

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Curve Tolerance ISO : 9906, Grade-3B

