



30+ years  
pump manufacturer

Company name: ZHENGZHOU SHENLONG PUMP CO., LTD

Created by:

Phone:

Date: 17/04/2018

## DATA SHEET FOR SUBMERSIBLE CENTRIFUGAL PUMPS

Type: WQX450-35

2018.4.17

## DATA SHEET FOR SUBMERSIBLE CENTRIFUGAL PUMPS

Description	Value
<b>General information:</b>	
Product name:	submersible water pump
Site:	
Product No:	WQX450-35

<b>Technical:</b>	
Rated flow:	450m <sup>3</sup> /hr
Rated head:	35m
Main power supply:	400v,50hz,3phase
Type of impeller:	CLOSED
Impellor stages:	1
shaft seal:	Machnical seal
Curve tolerance:	ISO9906:2012 3B
Cooling Type:	Oil FILLED
Pump efficiency:	76%

<b>Main Materials:</b>	
Pump housing:	SS304
Impeller:	SS304
shaft:	45# steel
Bearing	SS304
Motor:	Cast iron

<b>Installation:</b>	
Location:	Outdoor
Flange standard:	GB
Pump inlet:	FILTER
Discharge diameter:	DN200mm
Pressure stage:	PN 10
Maximum submerged depth:	20 m
Inst dry/wet:	SUBMERGED
Installation:	Vertically

<b>Liquid:</b>	
Pumped liquid:	clean river water
Maximum liquid temperature:	40°C
Liquid temp:	38°C
Relative density:	1.025
viscosity:	0.861
corrosive:	yes
Sand content:	≤150g/m <sup>3</sup>
Max allowed particle size	25mm

<b>Electrical data:</b>	
Number of poles:	2
Rated power :	75 kW
Mains frequency:	50 Hz
Rated voltage:	400 V
Rated speed:	2900rpm
Insulation class	F
IP class:	IP68
Voltage tolerance:	=10/-10%
Start. method:	soft starter
Max starts per. hour:	20
Rated current:	152.3A
Rated efficiency :	84.0%
Cos phi - power factor:	0.84
Cos phi - p.f. at 3/4 load:	0.82
Cos phi - p.f. at 1/2 load:	0.81

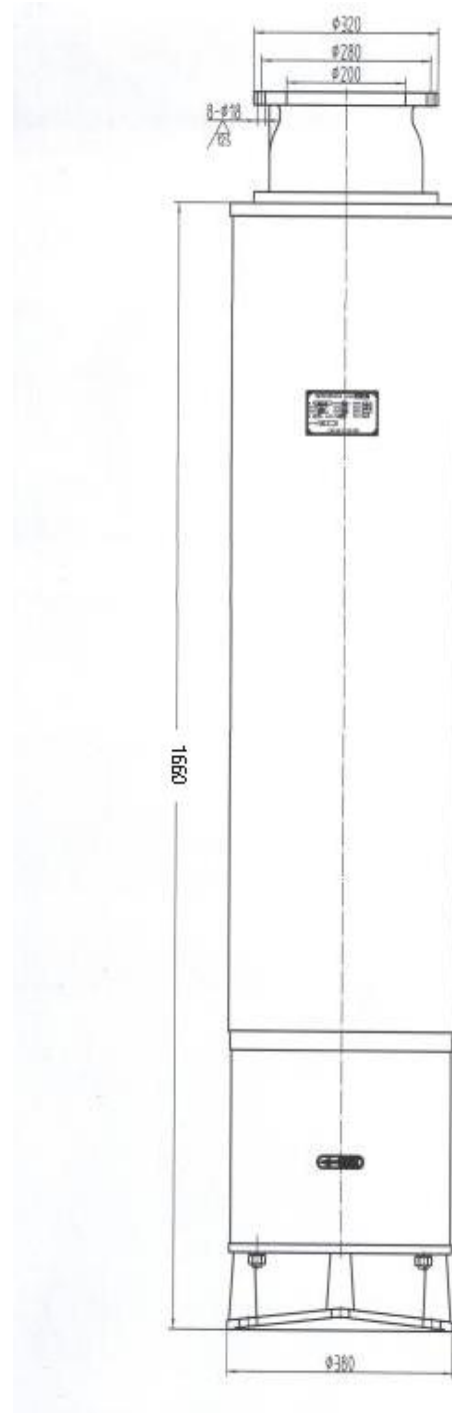
Company name: ZHENGZHOU SHENLONG PUMP CO., LTD

Created by:

Phone:

Date: 17/04/2018

Description	Value
Motor efficiency at full load:	83.00%
Motor efficiency at 3/4 load:	79.00%
Motor efficiency at 1/2 load:	69.00%





30+ years  
pump manufacturer

Company name: ZHENGZHOU SHENLONG PUMP CO., LTD

### DATA SHEET FOR SUBMERSIBLE CENTRIFUGAL PUMPS

Created by: \_\_\_\_\_

Phone: \_\_\_\_\_

Date: 17/04/2018

