

PROJECT:	_____	UNIT TAG:	_____	QUANTITY:	_____
REPRESENTATIVE:	Hurley Engineering	TYPE OF SERVICE:	_____	DATE:	_____
ENGINEER:	_____	SUBMITTED BY:	Devin Carle	DATE:	_____
CONTRACTOR:	TBD	APPROVED BY:	_____	DATE:	_____
		ORDER NO.:	_____	DATE:	_____

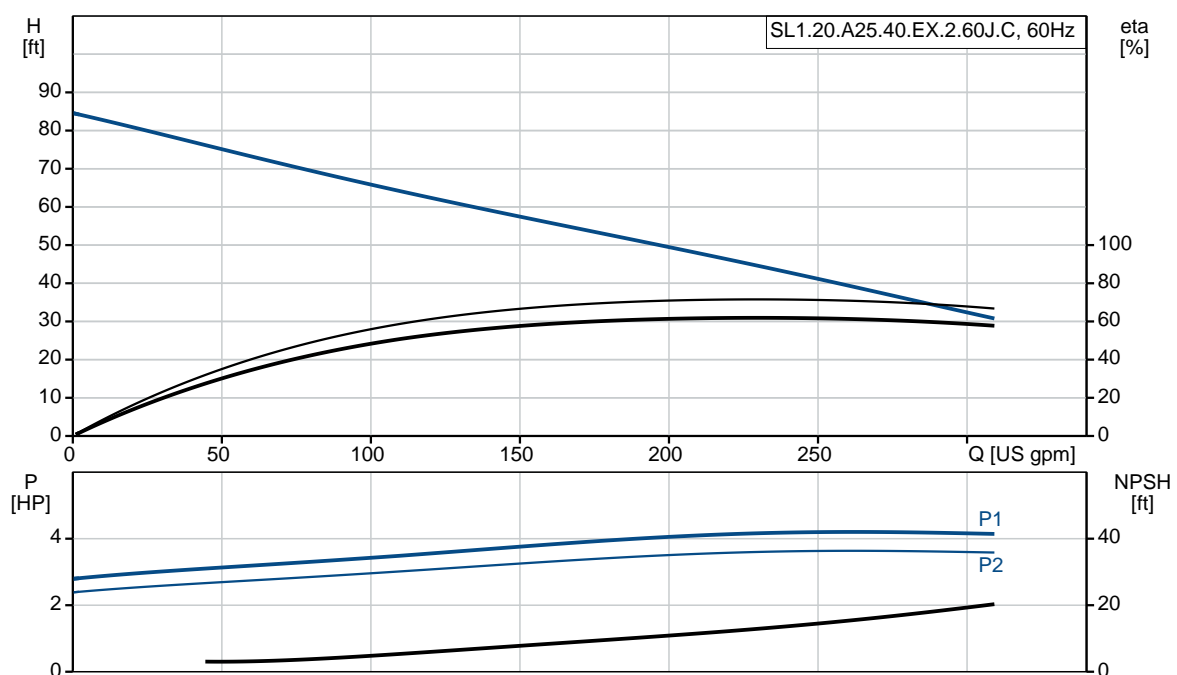
### SL1.20.A25.40.EX.2.60J.C

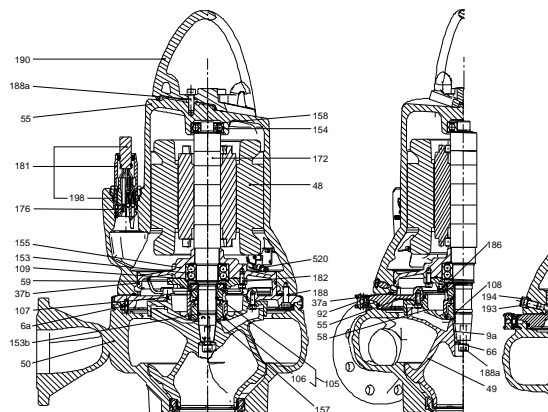
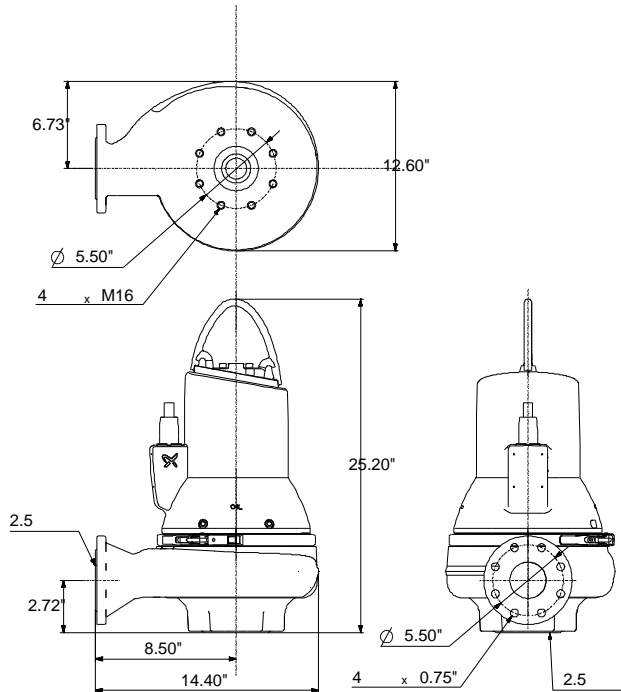
#### Sewage pumps



Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Maximum ambient temperature: 104 °F	Rated voltage: 208-230 V
Head: _____	Approvals: CSA, FM	Main frequency: 60 Hz
Efficiency: _____	Flange standard: ANSI	Number of poles: 2
Liquid: any viscous fluid	Product number: 99034402	Enclosure class: IP68
Temperature: _____		Insulation class: H
NPSH required: ft		Motor protection: THERMAL SWITCH
Viscosity: _____		Motor_efficiency: 86.5 %
Specific Gravity: 1.000		





**Materials:**

Pump housing: Cast iron  
EN 5.1301 EN-GJL-250  
ASTM A48-250B

Impeller: Cast iron  
EN 5.1301 EN-GJL-250  
ASTM A48-250B

Motor: EN-GJL-250

Count	Description																												
1	<p><b>SL1.20.A25.40.EX.2.60J.C</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: <a href="#">99034402</a></p> <p>Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.</p> <p>The pump is designed for intermittent and continuous operations in submerged installation. The revolutionary S-tube® impeller provides free spherical passage of solids up to 1 15/16 in and is suitable for wastewater with a dry matter content of up to 3 %.</p> <p>A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a ANSI flange.</p> <p>The pump is explosion-proof.</p> <p><b>Controls:</b></p> <table> <tr> <td>Moisture sensor:</td><td>with moisture sensors</td></tr> <tr> <td>Water-in-oil sensor:</td><td>without water-in-oil sensor</td></tr> </table> <p><b>Liquid:</b></p> <table> <tr> <td>Pumped liquid:</td><td>any viscous fluid</td></tr> <tr> <td>Maximum liquid temperature:</td><td>104 °F</td></tr> <tr> <td>Density:</td><td>62.29 lb/ft³</td></tr> </table> <p><b>Technical:</b></p> <table> <tr> <td>Type of impeller:</td><td>S-TUBE</td></tr> <tr> <td>Maximum particle size:</td><td>1 15/16 in</td></tr> <tr> <td>Primary shaft seal:</td><td>SIC/SIC</td></tr> <tr> <td>Secondary shaft seal:</td><td>CARBON/CERAMICS</td></tr> <tr> <td>Approvals on nameplate:</td><td>CSA, FM</td></tr> <tr> <td>Curve tolerance:</td><td>ANSI/HI11.6:2012 3B2</td></tr> </table> <p><b>Materials:</b></p> <table> <tr> <td>Pump housing:</td><td>Cast iron EN 5.1301 EN-GJL-250 ASTM A48-250B</td></tr> <tr> <td>Impeller:</td><td>Cast iron EN 5.1301 EN-GJL-250 ASTM A48-250B</td></tr> <tr> <td>Motor:</td><td>EN-GJL-250</td></tr> </table> <p><b>Installation:</b></p>	Moisture sensor:	with moisture sensors	Water-in-oil sensor:	without water-in-oil sensor	Pumped liquid:	any viscous fluid	Maximum liquid temperature:	104 °F	Density:	62.29 lb/ft³	Type of impeller:	S-TUBE	Maximum particle size:	1 15/16 in	Primary shaft seal:	SIC/SIC	Secondary shaft seal:	CARBON/CERAMICS	Approvals on nameplate:	CSA, FM	Curve tolerance:	ANSI/HI11.6:2012 3B2	Pump housing:	Cast iron EN 5.1301 EN-GJL-250 ASTM A48-250B	Impeller:	Cast iron EN 5.1301 EN-GJL-250 ASTM A48-250B	Motor:	EN-GJL-250
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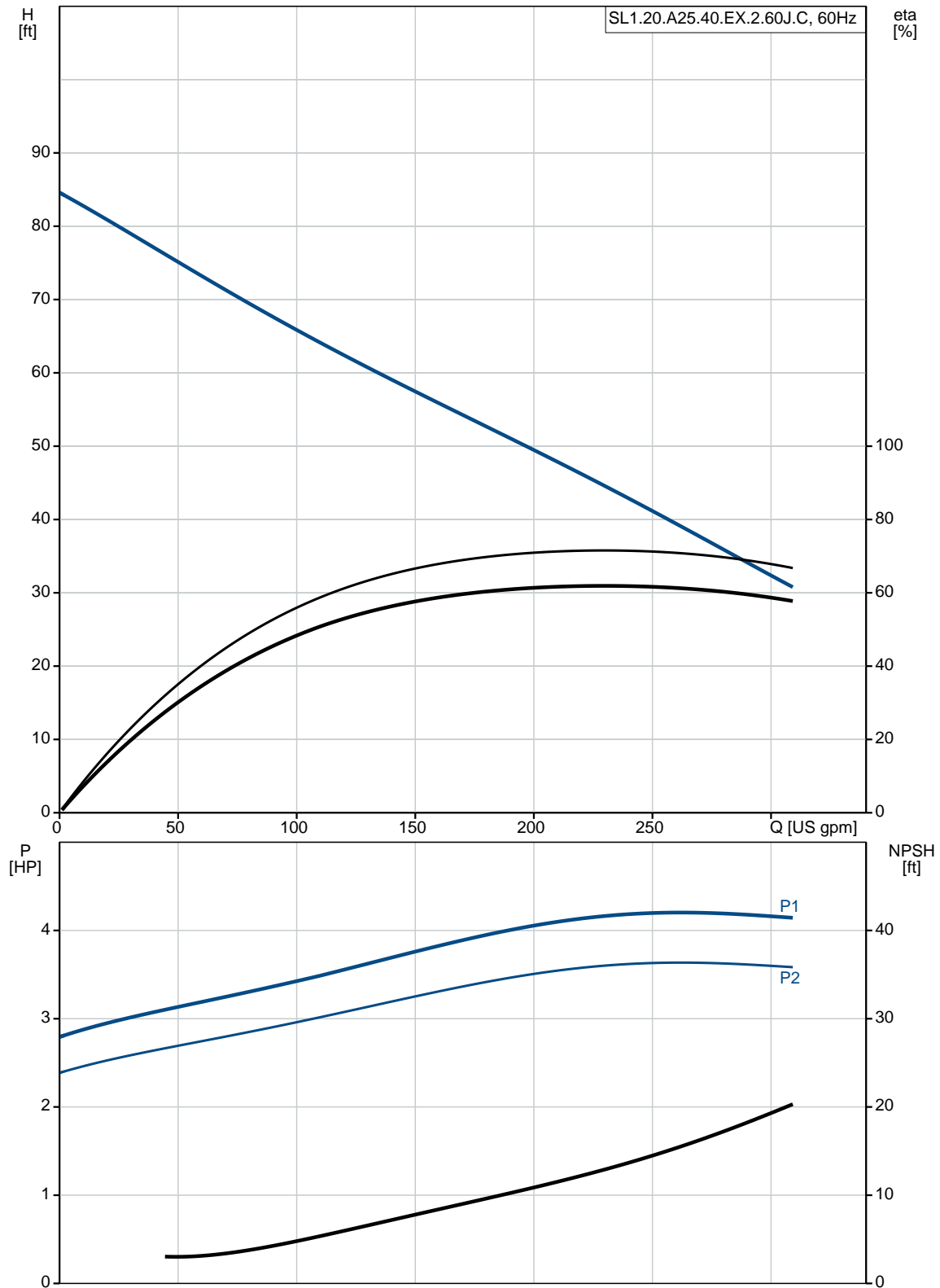


Company name: Hurley Engineering  
Created by:  
Phone:

Date: 1/6/2020

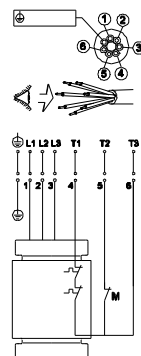
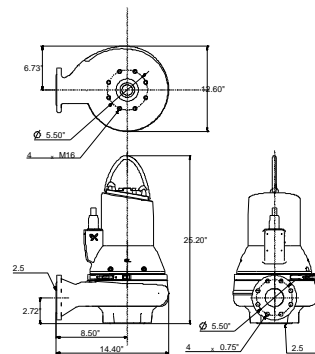
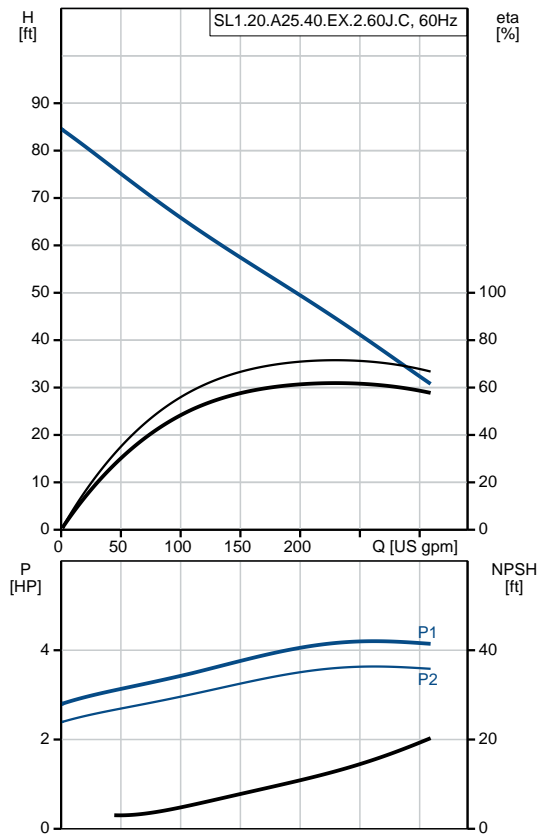
Count	Description
	Maximum ambient temperature: 104 °F Flange standard: ANSI Pump inlet: 65 Pump outlet: 65 Pressure stage: PN 10 Maximum installation depth: 65.6 ft Frame range: B  <b>Electrical data:</b> Power input - P1: 3.8 kW Rated power - P2: 4 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230 V Voltage tolerance: +10/-10 % Max starts per. hour: 20 Rated current: 12.4-12.3 A Starting current: 97.6 A Cos phi - power factor: 0.87 Cos phi - p.f. at 3/4 load: 0.83 Cos phi - p.f. at 1/2 load: 0.74 Rated speed: 3510 rpm Motor efficiency at full load: 86.5 % Motor efficiency at 3/4 load: 86.5 % Motor efficiency at 1/2 load: 84.8 % Number of poles: 2 Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): H Explosion proof: yes Length of cable: 49 ft Cable type: SEOOW 600V  <b>Others:</b> Net weight: 207 lb

## 99034402 SL1.20.A25.40.EX.2.60J.C 60 Hz



Date: 1/6/2020

Description	Value
<b>General information:</b>	
Product name:	SL1.20.A25.40.EX.2.60J.C
Product No.:	99034402
EAN:	5712605497523
	5712605497523
<b>Technical:</b>	
Max flow:	308 US gpm
Head max:	84.65 ft
Type of impeller:	S-TUBE
Maximum particle size:	1 15/16 in
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	CSA, FM
Curve tolerance:	ANSI/HI11.6:2012 3B2
Cooling jacket:	without cooling jacket
<b>Materials:</b>	
Pump housing:	Cast iron
	EN 5.1301 EN-GJL-250
	ASTM A48-250B
Impeller:	Cast iron
	EN 5.1301 EN-GJL-250
	ASTM A48-250B
Motor:	EN-GJL-250
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Flange standard:	ANSI
Pump inlet:	65
Pump outlet:	65
Pressure stage:	PN 10
Maximum installation depth:	65.6 ft
Inst dry/wet:	SUBMERGED
Installation:	Vertical
Frame range:	B
<b>Liquid:</b>	
Pumped liquid:	any viscous fluid
Maximum liquid temperature:	104 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Power input - P1:	3.8 kW
Rated power - P2:	4 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230 V
Voltage tolerance:	+10/-10 %
Max starts per. hour:	20
Rated current:	12.4-12.3 A
Starting current:	97.6 A
Cos phi - power factor:	0.87
Cos phi - p.f. at 3/4 load:	0.83
Cos phi - p.f. at 1/2 load:	0.74
Rated speed:	3510 rpm
Motor efficiency at full load:	86.5 %
Motor efficiency at 3/4 load:	86.5 %



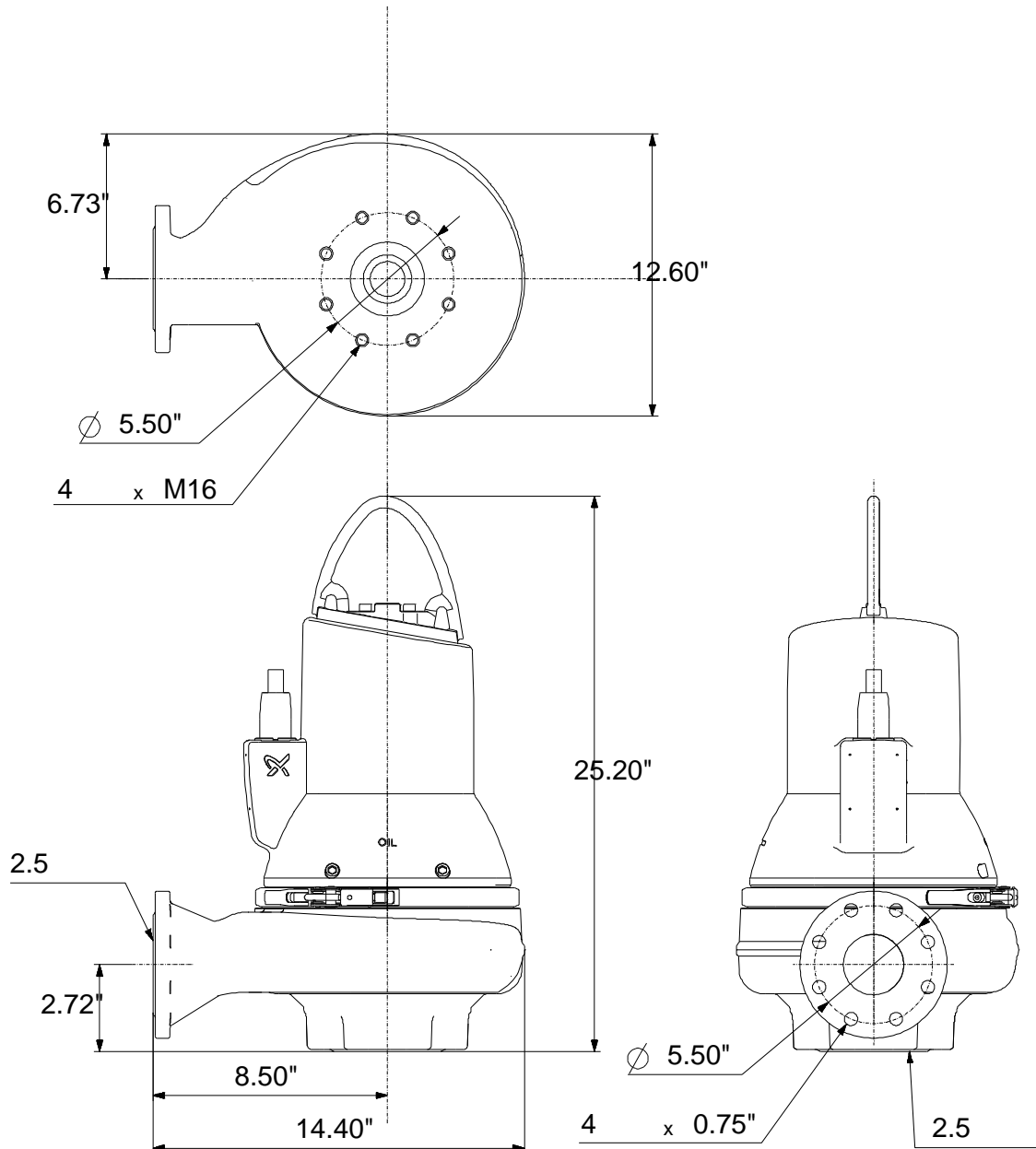


Company name: Hurley Engineering  
Created by:  
Phone:

Date: 1/6/2020

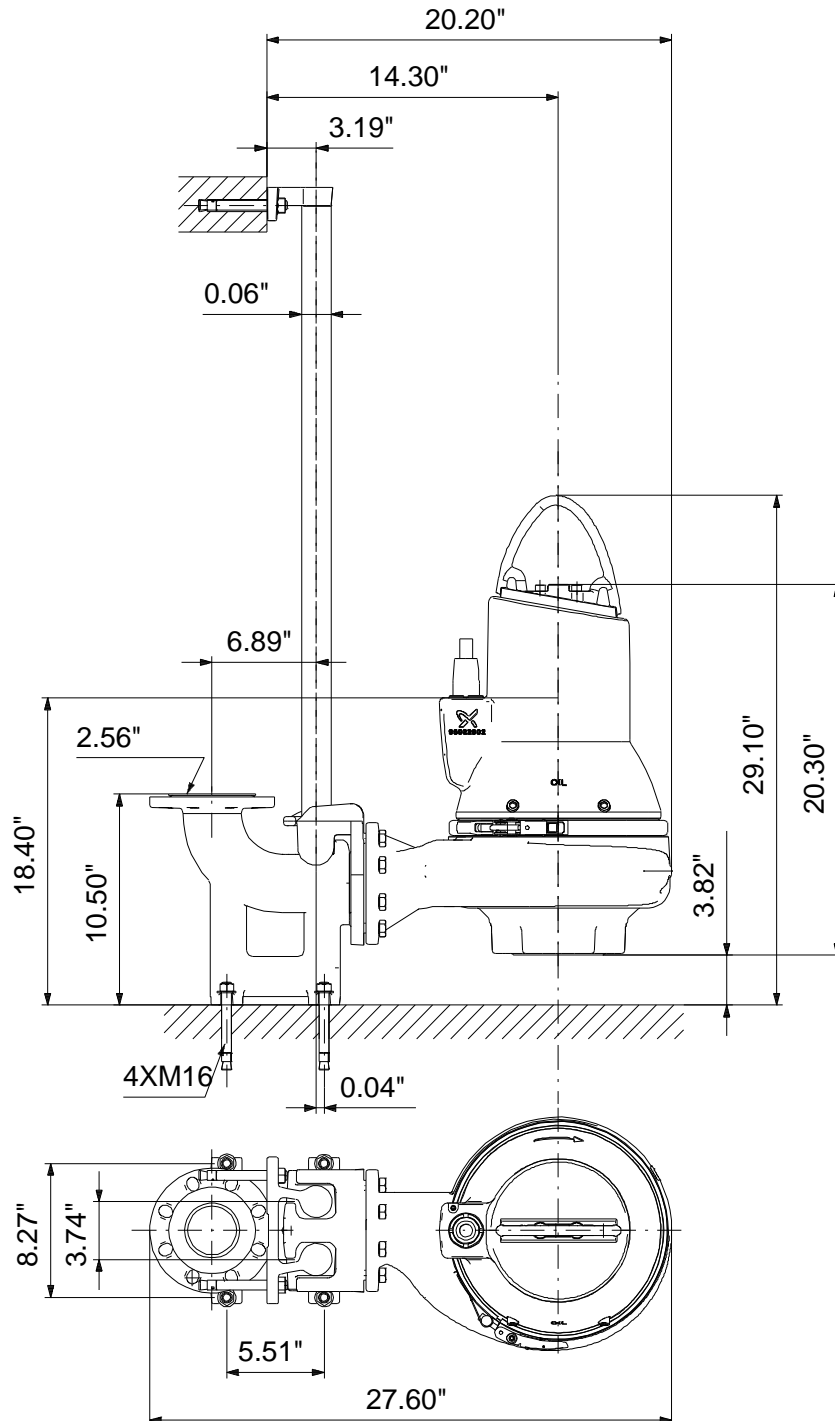
Description	Value
Motor efficiency at 1/2 load:	84.8 %
Number of poles:	2
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	H
Explosion proof:	yes
Motor protection:	THERMAL SWITCH
Length of cable:	49 ft
Cable type:	SEOOW 600V
<b>Controls:</b>	
Control box:	not included
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
<b>Others:</b>	
Net weight:	207 lb

## 99034402 SL1.20.A25.40.EX.2.60J.C 60 Hz



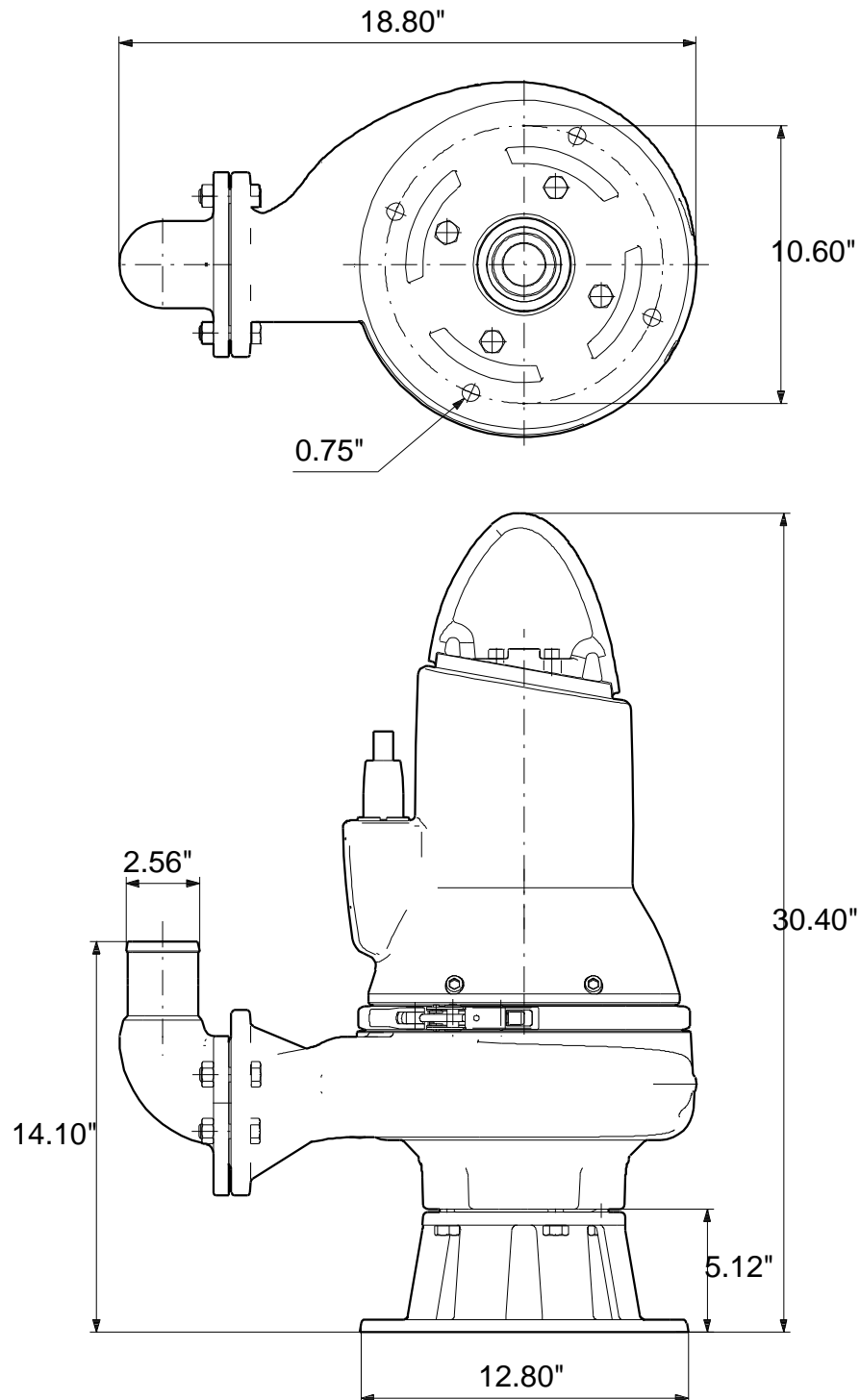
Note! All units are in [in] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

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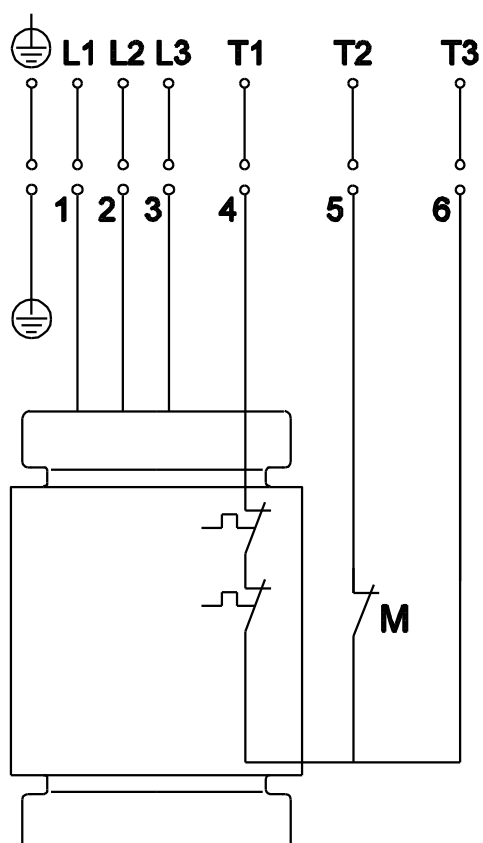
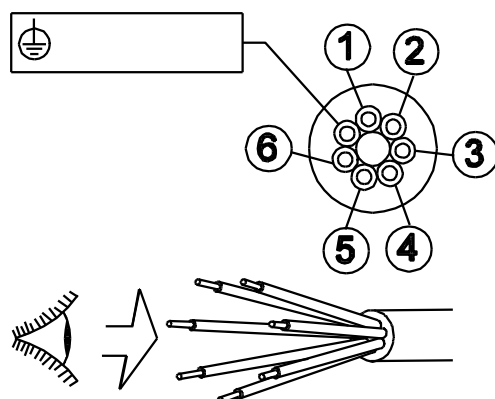
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## 99034402 SL1.20.A25.40.EX.2.60J.C 60 Hz



All units are [in] unless otherwise presented.