

Submittal Data

PROJECT:	Hurley Engineering-TPE3 READY TO SHIP	UNIT TAG:		QUANTITY:	1
		TYPE OF SERVICE:			
REPRESENTATIVE:	Hurley Engineering	SUBMITTED BY:	Devin Carle	DATE:	2/10/2020
ENGINEER:		APPROVED BY:		DATE:	
CONTRACTOR:	To Be Determined	ORDER NO.:		DATE:	



Product photo could vary from the actual product

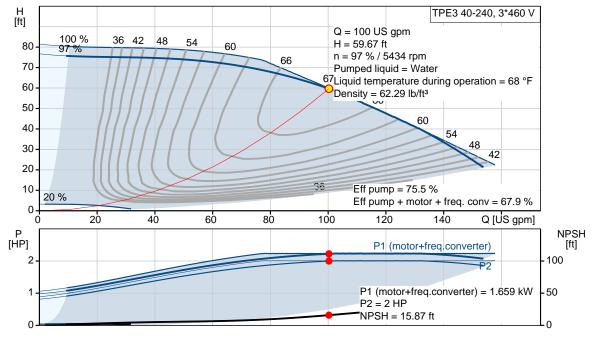
TPE3 40-240 S-A-G-I-BQBE-HCC

Single-stage stainless steel in-line pumps with frequency converters

Conditions of Service				
Flow:	100 US gpm			
Head:	59.67 ft			
Efficiency:	67.9 %			
Liquid:	Water			
Temperature:	68 °F			
NPSH required:	15.87 ft			
Viscosity:				
Specific Gravity:	1.000			

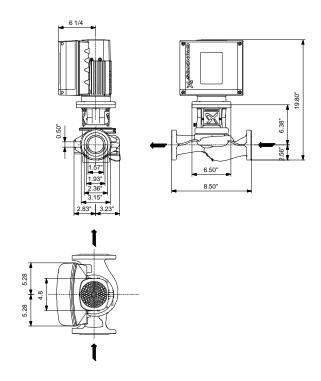
Pump Data					
Liquid temperature range:	32 248 °F				
Maximum ambient temperature:	122 °F				
Shaft seal:	BQBE				
Pipe connection:	DN 40				
Product number:	99223986				

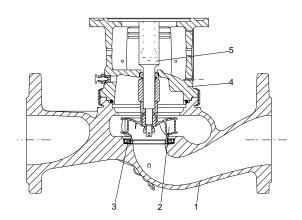
Motor Data				
Rated power - P2:	2 HP			
Rated voltage:	440-480 V			
Main frequency:	60 Hz			
Number of poles:	0			
Enclosure class:	IP55			
Insulation class:	F			
Motor protection:	YES			
Motor type:	90B			
Motor_efficiency:	88.4 %			





Submittal Data





Materials:

Pump housing: Stainless steel

ASTM CF8

Composite PES/PP 30% GF Impeller:

Material code:



Created by: Phone:

Date: 2/26/2020

Project: Reference number: Client:

Client number:

Contact:

Count | Description

1

TPE3 40-240 S-A-G-I-BQBE-HCC



Product No.: 99223986

The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.

The shaft seal is according to EN 12756. Pipework connection is via PN 16 ANSI flanges.

Pipework connection is via PN 16 ANSI flanges.

The pump is fitted with a fan-cooled, permanent-magnet synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement.

Controls:

Frequency converter: Built-in

Liquid:

Pumped liquid: Water
Liquid temperature range: 32 .. 248 °F
Selected liquid temperature: 68 °F
Density: 62.29 lb/ft³

Technical:

Pump speed on which pump data is based: 5500 rpm

Actual calculated flow: 100 US gpm
Resulting head of the pump: 59.67 ft
Actual impeller diameter: 2.91 in
Code for shaft seal: BQBE

Curve tolerance: ISO9906:2012 3B2

Materials:

Pump housing: Stainless steel

ASTM CF8 EN 1.4308

Impeller: Composite PES/PP 30% GF

Installation:

Range of ambient temperature: -4 .. 122 °F Maximum operating pressure: PN 16 bar Type of connection: ANSI



Created by: Phone:

Date: 2/26/2020

Project:

Reference number: Client number:

Contact:

Client:

Count | Description

Pipe connection: DN 40
Pressure rating for pipe connection: PN 16
Flange size for motor: 56C

Electrical data:

Motor type:90BIE Efficiency class:IE5Rated power - P2:2 HPMain frequency:60 Hz

Rated voltage: 3 x 440-480 V

Rated current: 2.8 A Cos phi - power factor: 0.83

Rated speed: 480-5900 rpm IE efficiency: 88.4% Motor efficiency at full load: 88.4 %

Number of poles: 0
Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F

Motor Number: 99630350

Others:

DOE Pump Energy Index VL: 0.35
Net weight: 56.4 lb
Gross weight: 73 lb
Country of origin: HU

Custom tariff no.: 8413.70.2022



Created by: Phone:

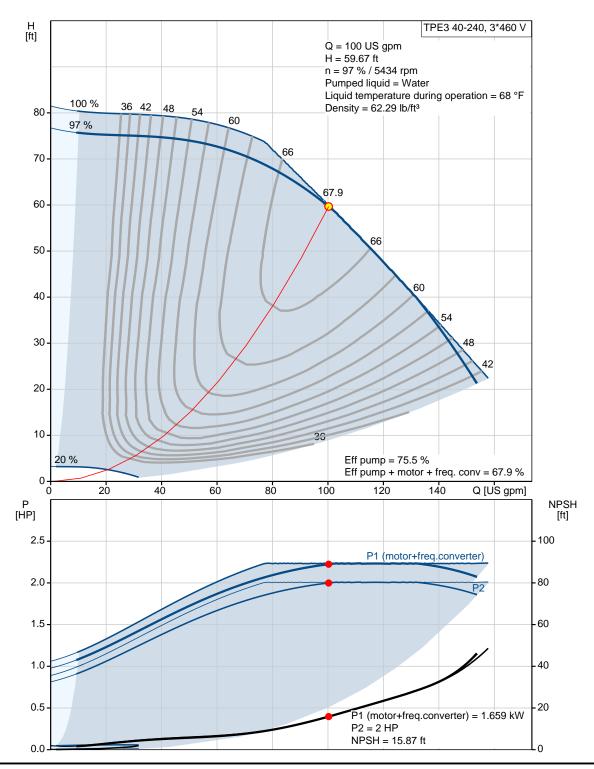
2/26/2020 Date:

Project: Client: Reference number:

Client number:

Contact:

99223986 TPE3 40-240 S-A-G-I-BQBE-HCC 60 Hz





Created by: Phone:

Date: 2/26/2020

Project:

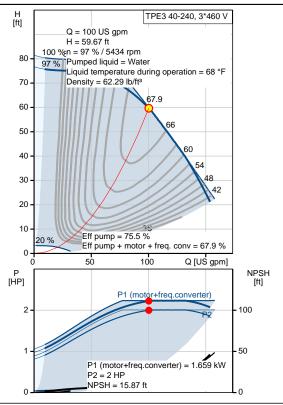
Reference number:

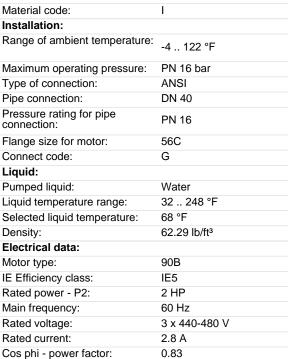
Client:

Client number:

Contact:

Description	Value	
General information:		
Product name:	TPE3 40-240 S-A-G-I-BQBE-HCC	
Product No.:	99223986	
EAN:	5712608991400	
	5712608991400	
Price:	\$ 10,836.00	
Technical:		
Pump speed on which pump data is based:	5500 rpm	
Actual calculated flow:	100 US gpm	
Resulting head of the pump:	59.67 ft	
Head max:	78.74 ft	
Actual impeller diameter:	2.91 in	
Code for shaft seal:	BQBE	
Curve tolerance:	ISO9906:2012 3B2	
Pump version:	A	
Materials:		
Pump housing:	Stainless steel	
	ASTM CF8	
	EN 1.4308	
Impeller:	Composite PES/PP 30% GF	
Material code:	1	
Installation:		
Range of ambient temperature:	-4 122 °F	

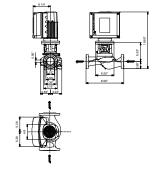


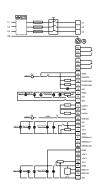


480-5900 rpm

88.4%

88.4 %





Rated speed:

IE efficiency:

Motor efficiency at full load:



Created by: Phone:

Date: 2/26/2020

Project:

Reference number:

Client:

Client number:

Contact:

Description	Value	
Number of poles:	0	
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	
Motor protection:	YES	
Motor Number:	99630350	
Controls:		
Control panel:	HMI300 - Graphical	
Function Module:	FM300 - Advanced	
Frequency converter:	Built-in	
Others:		
DOE Pump Energy Index VL:	0.35	
Net weight:	56.4 lb	
Gross weight:	73 lb	
Config. file no:	98484777	
Country of origin:	HU	
Custom tariff no.:	8413.70.2022	



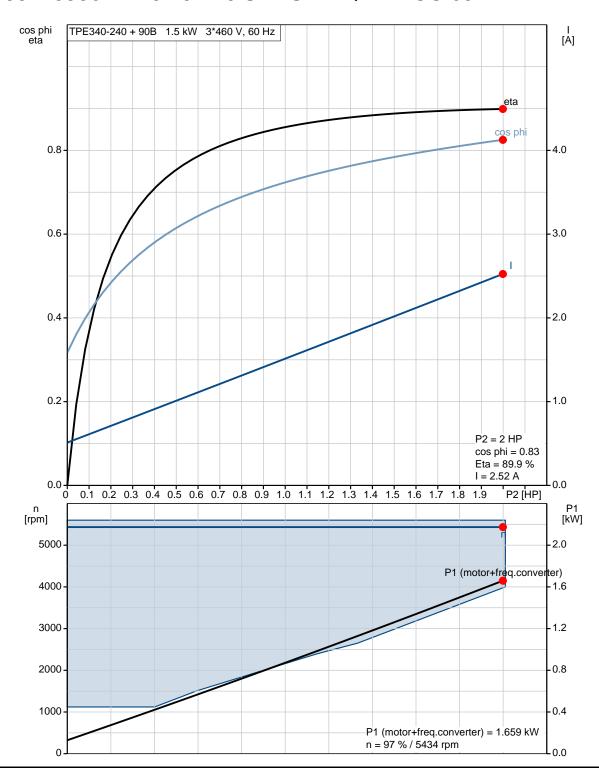
Created by: Phone:

Date: 2/26/2020

Project: Client:

Reference number: Client number: Contact:

99223986 TPE3 40-240 S-A-G-I-BQBE-HCC 60 Hz





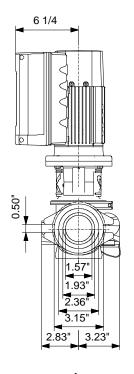
Created by: Phone:

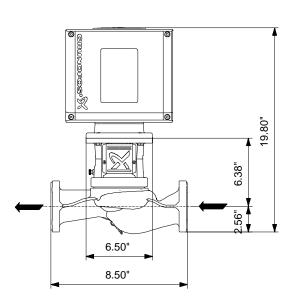
Date: 2/26/2020

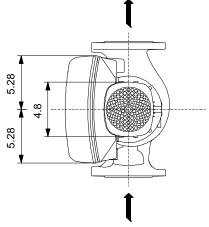
Project: Client:

Reference number: Client number: Contact:

99223986 TPE3 40-240 S-A-G-I-BQBE-HCC 60 Hz







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



Created by: Phone:

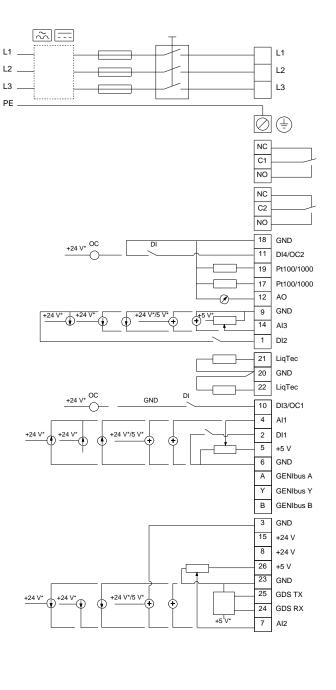
Date: 2/26/2020

Project: Client:

Reference number: Client number:

Contact:

99223986 TPE3 40-240 S-A-G-I-BQBE-HCC 60 Hz



All units are [in] unless otherwise presented.



Created by: Phone:

Date: 2/26/2020

Project:

Client:

Reference number:

Client number: Contact:

Order Data:

Product name: TPE3 40-240 S-A-G-I-BQBE-HCC

Amount: 1

Product No.: 99223986 Price: \$10,836.00

Total: \$ 10,836.00