GRUNDFOS

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:	

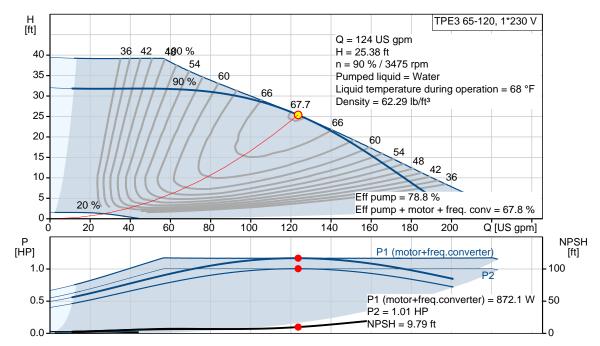


TPE3 65-120 S-A-G-I-BQQE-FAB

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

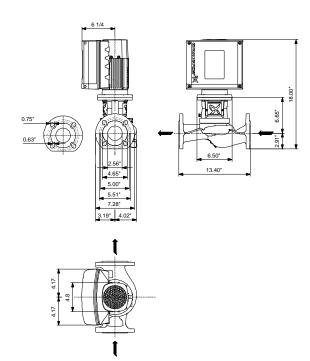
Product photo could vary from the actual product

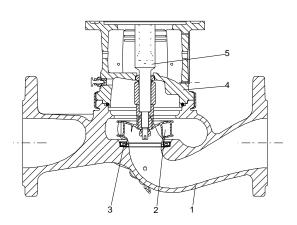
Conditions of Service		Pump Data	Motor Data		
Flow:	124 US gpm	Liquid temperature range:	-13 248 °F	Rated power - P2:	1 HP
Head:	25.38 ft	Maximum ambient temperature:	122 °F	Rated voltage:	200-240 V
Efficiency:	67.8 %	Shaft seal:	BQQE	Main frequency:	60 Hz
Liquid:	Water	Pipe connection:	DN 65	Number of poles:	0
Temperature:	68 °F	Product number:	98819696	Enclosure class:	IP55
NPSH required:	9.79 ft			Insulation class:	F
Viscosity:				Motor protection:	YES
Specific Gravity:	1.000			Motor type:	80A
				Motor_efficiency:	85.2 %





Submittal Data





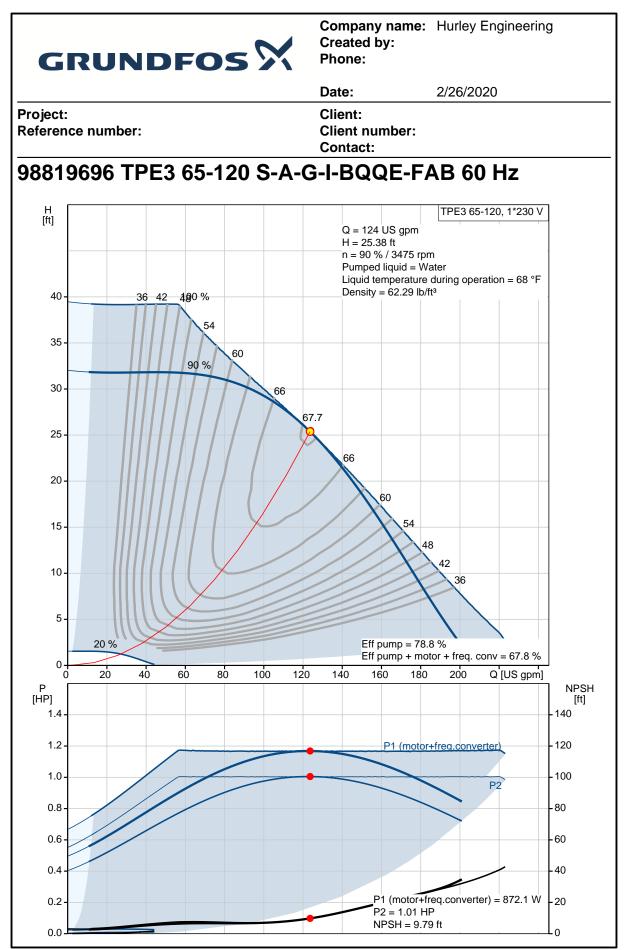
Materials:

Pump housing:	Stainless steel ASTM CF8
Impeller:	Composite PES/PP 30% GF
Material code:	I

G	RUNDFOS	X	Company name: Created by: Phone:	Hurley Engineering	
			Date:	2/26/2020	
Projec Refere	t: nce number:		Client: Client number: Contact:		
Count	Description				
1	TPE3 65-120 S-A-G-I-BQQE-FA	AB			
	Product No.: 98819696				
	The pump is of the top-pull-out of be removed for maintenance or The shaft seal is according to El Pipework connection is via PN 1 The pump is fitted with a fan-coo is classified as IE5 in accordance The motor includes a frequency continuously variable control of the performance to a given requirem Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range:	service while N 12756. Pip 6 ANSI flang bled, perman e with IEC 6 converter ar the motor sp	e the pump housing re rework connection is v ges. ent-magnet synchrono 0034-30-2. nd PI controller in the r eed, which again enab	mains in the pipework. ia PN 16 ANSI flanges. ous motor. The motor efficiency notor terminal box. This enables	
	Selected liquid temperature: Density:	68 °F 62.29 lb/ft ³			
	Technical: Pump speed on which pump data is based: 3530 rpm				
	Actual calculated flow: Resulting head of the pump: Actual impeller diameter: Code for shaft seal: Curve tolerance:	124 US gpr 25.38 ft 3.07 in BQQE ISO9906:20			
	Materials: Pump housing:	Stainless st ASTM CF8			
	Impeller:	EN 1.4308 Composite	PES/PP 30% GF		
	Installation: Range of ambient temperature:				
	Maximum operating pressure: Type of connection:	PN 16 bar ANSI			

GRUNDFOS 🕅

			Date:	2/26/2020
Project: Reference number:		Client: Client number: Contact:		
Count	Description			
	Pipe connection: Pressure rating for pipe connec Flange size for motor:	DN 65 ction: PN 16 56C		
	Electrical data:			
	Motor type: IE Efficiency class: Rated power - P2: Main frequency:	80A IE5 1 HP 60 Hz		
	Rated voltage: Rated current: Cos phi - power factor: Rated speed:	1 x 200-240 4.70-3.90 A 0.99 360-4000 rp		
	IE efficiency: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5):	85.2% 85.2 % 0 IP55		
	Insulation class (IEC 85): Motor Number:	F 99630338		
	Others:			
	DOE Pump Energy Index VL: Net weight: Gross weight: Country of origin:	0.39 63.3 lb 63.3 lb HU		
	Custom tariff no.:	8413.70.202		



Printed from Grundfos Product Center [2020.02.002]

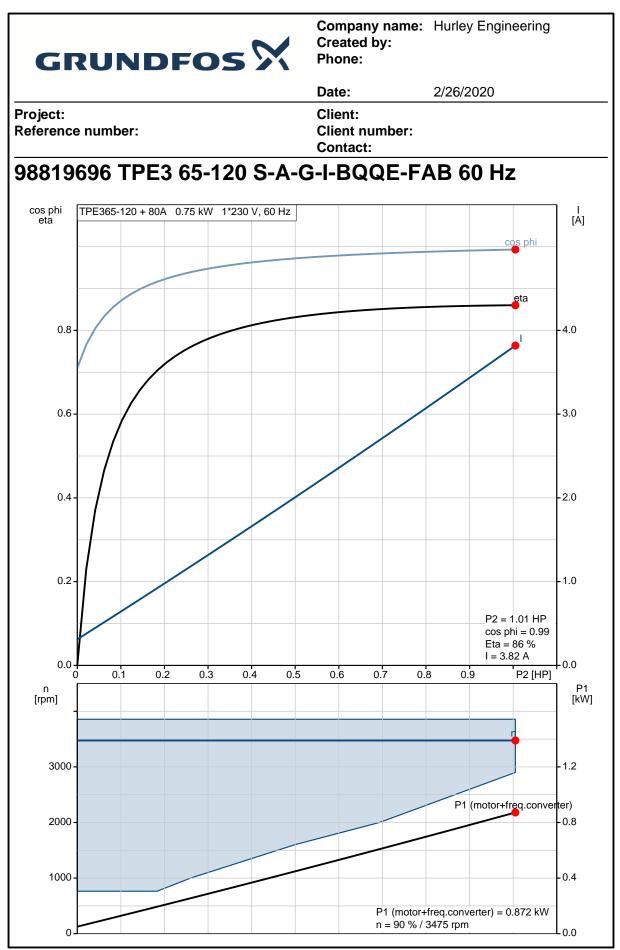


		Date: 2/26/2020
Project: Reference number:		Client: Client number: Contact:
Description	Value	H [ft] TPE3 65-120, 1*230 V
General information:	Fuldo	Q = 124 US gpm H = 25.38 ft
Product name:	TPE3 65-120 S-A-G-I-BQQE-FAB	40 - Pumped liquid = Water
Product No.:	98819696	Liquid temperature during operation = 68 °F 35 Density = 62.29 lb/ft ³
EAN:	5712601845076	90 %
	5712601845076	30 66
Technical:		25
Pump speed on which pump data is based:	3530 rpm	20-
Actual calculated flow:	124 US gpm	60
Resulting head of the pump:	25.38 ft	15
Head max:	39.37 ft	10-42
Actual impeller diameter:	3.07 in	30
Code for shaft seal:	BQQE	5 - 20 % Eff pump = 78.8 %
Curve tolerance:	ISO9906:2012 3B2	20% Eff pump + motor + freq. conv = 67.8 %
Pump version:	A	0 50 100 150 Q [US gpm]
Materials:		P NPSH [HP]
Pump housing:	Stainless steel	P1 (motor+freq.converter)
	ASTM CF8	1.0 P2 100
	EN 1.4308	
Impeller:	Composite PES/PP 30% GF	0.5 50
Material code:	I	P1 (motor+freq.converter) = 872.1 W
Installation:		P2 = 1.01 HP NPSH = 9.79 ft
Range of ambient temperature:	-4 122 °F	
Maximum operating pressure:	PN 16 bar	. 419
Type of connection:	ANSI	
Pipe connection:	DN 65	
Pressure rating for pipe connection:	PN 16	
Flange size for motor:	56C	
Connect code:	G	
Liquid:		I
Pumped liquid:	Water	
Liquid temperature range:	-13 248 °F	
Selected liquid temperature:	68 °F	
Density:	62.29 lb/ft ³	_
Electrical data:	004	_
Motor type:	80A	
IE Efficiency class:	IE5	
Rated power - P2:	1 HP 60 Hz	
Main frequency: Rated voltage:	1 x 200-240 V	
Rated current:	4.70-3.90 A	
Cos phi - power factor:	0.99	
Rated speed:	360-4000 rpm	
IE efficiency:	85.2%	
Motor efficiency at full load:	85.2 %	- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
Number of poles:	0	
	-	

Printed from Grundfos Product Center [2020.02.002]



		Date:	2/26/2020
Project: Reference number:		Client: Client number: Contact:	
Description	Value		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protection:	YES		
Motor Number:	99630338		
Controls:			
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Others:			
DOE Pump Energy Index VL:	0.39		
Net weight:	63.3 lb		
Gross weight:	63.3 lb		
Config. file no:	98481404		
Country of origin:	HU		
Custom tariff no.:	8413.70.2022		



Printed from Grundfos Product Center [2020.02.002]



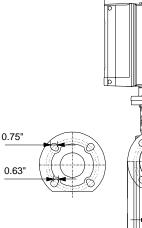
2/26/2020

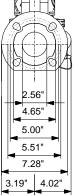
Project: Reference number: Date:

Client: **Client number:**

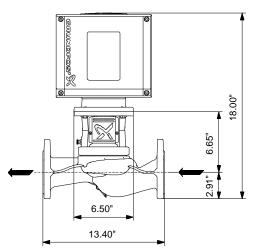
Contact:

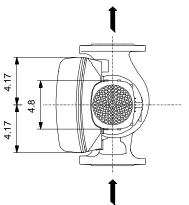
98819696 TPE3 65-120 S-A-G-I-BQQE-FAB 60 Hz





6 1/4





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

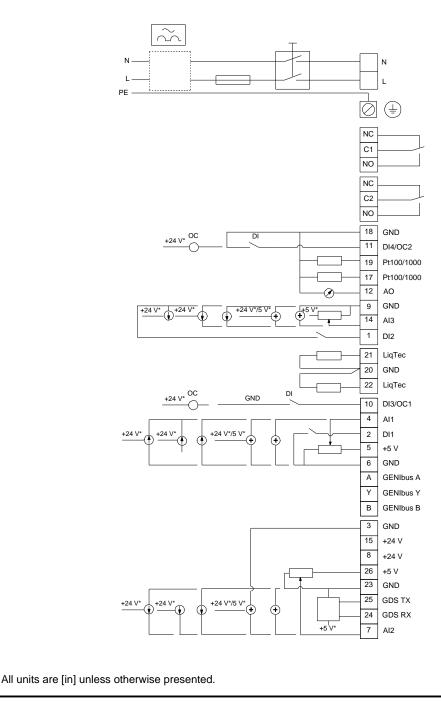


2/26/2020

Project: Reference number: Date: Client:

Client number: Contact:

98819696 TPE3 65-120 S-A-G-I-BQQE-FAB 60 Hz



Printed from Grundfos Product Center [2020.02.002]

GRUNDFOS

		Date:	2/26/2020
Project: Reference number:		Client: Client number: Contact:	
Order Data:			
Amount: Product No.:	TPE3 65-120 S-A-G-I-BC 1 98819696	QQE-FAB	
Total: Price on r	request		