

Submittal Data

PROJECT:	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:	

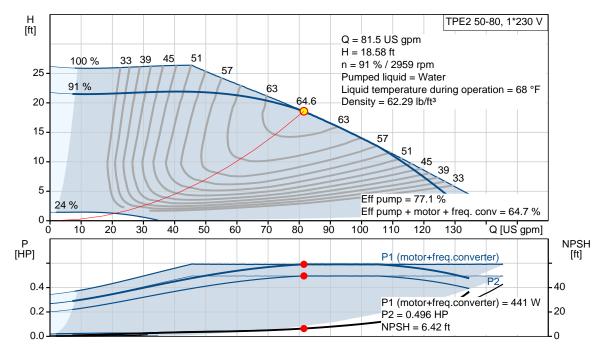


TPE2 50-80 N-A-G-I-BQQE-DAB

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

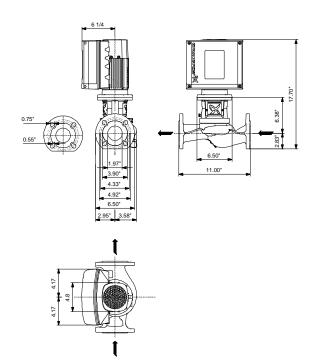
Product photo could vary from the actual product

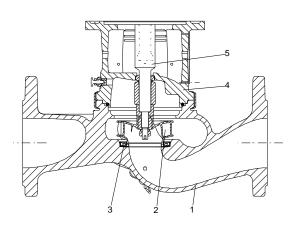
Conditions of Service		Pump Data	Motor Data		
Flow:	81.5 US gpm	Liquid temperature range:	-13 248 °F	Rated power - P2:	0.5 HP
Head:	18.58 ft	Maximum ambient temperature:	122 °F	Rated voltage:	200-240 V
Efficiency:	64.7 %	Shaft seal:	BQQE	Main frequency:	60 Hz
Liquid:	Water	Pipe connection:	DN 50	Number of poles:	0
Temperature:	68 °F	Product number:	98817728	Enclosure class:	IP55
NPSH required:	6.42 ft			Insulation class:	F
Viscosity:				Motor protection:	YES
Specific Gravity:	1.000			Motor type:	71A
				Motor_efficiency:	84.0 %





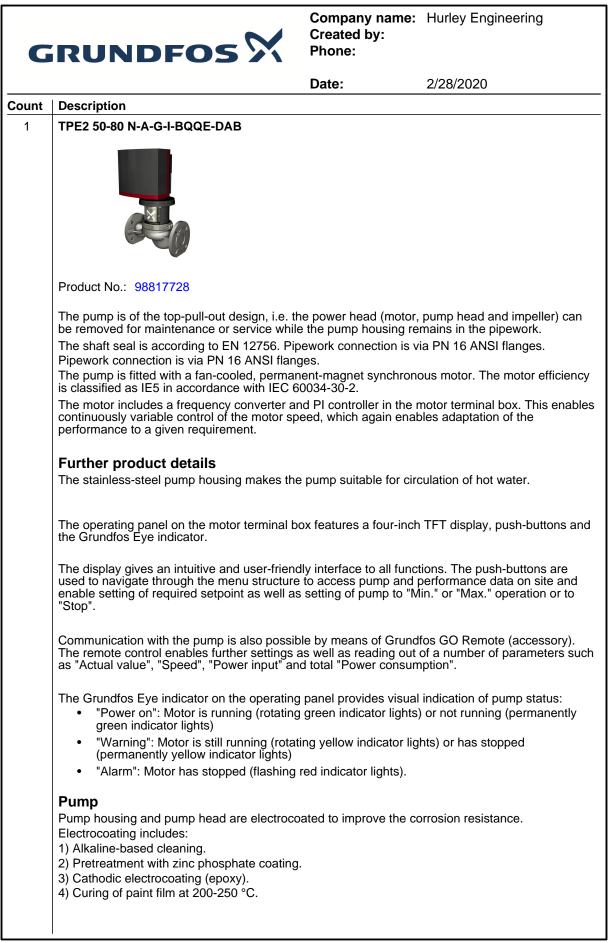
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Materials:

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



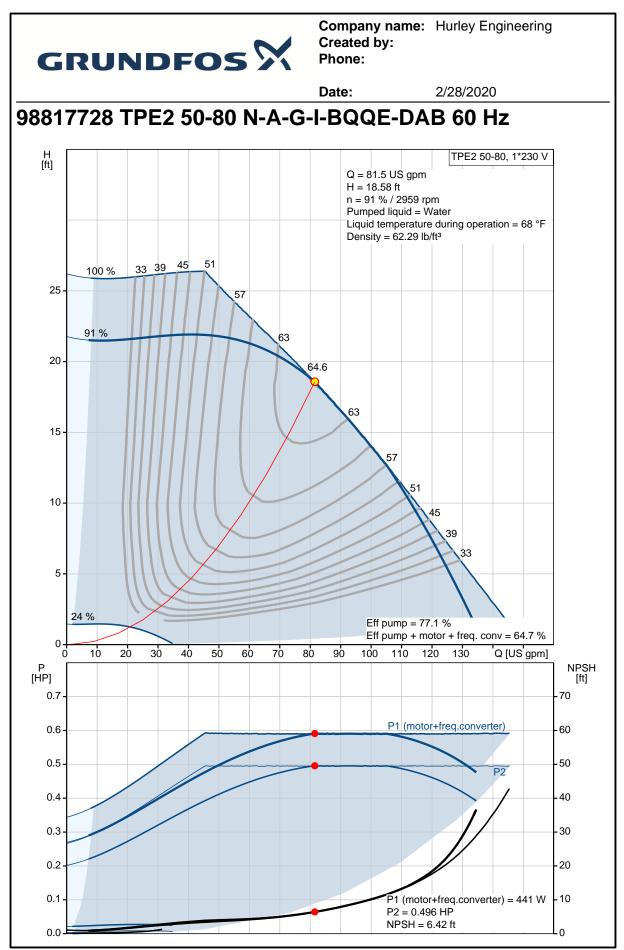
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			Date:	2/28/2020
ount	Description			
	The pump is fitted with an unbal spring and around the bellows. I movement is not prevented by d	Due to the be	ellows, the se	al with torque transmission across the eal does not wear the shaft, and the axia
	Primary seal:		ie shart.	
	 Rotating seal ring materia Stationary seat material: 			
	This material pairing is used whe this material pairing offers good	ere higher co resistance a	prrosion resignments	•
	Secondary seal material: EPDM EPDM has excellent resistance			
	A circulation of liquid through the shaft seal.	e duct of the	air vent scre	ew ensures lubrication and cooling of the
	Motor			
	The motor is a totally enclosed, standards. Electrical tolerances	fan-cooled m comply with	notor with pri IEC 60034.	incipal dimensions to IEC and DIN
	The motor efficiency is classified	d as IE5 in ac	cordance w	ith IEC 60034-30-2.
	Technical data			
	Controls:			
	Frequency converter:	Built-in		
	Liquid:			
	Pumped liquid:	Water	-	
	Liquid temperature range: Selected liquid temperature:	-13 248 °∣ 68 °F	F	
	Density:	62.29 lb/ft ³		
	Technical:			
	Pump speed on which pump dat	ta is based:	3000 rpm	
	Actual calculated flow:	81.5 US gp	m	
	Resulting head of the pump:	18.58 ft		
	Actual impeller diameter:	2.91 in		
	Code for shaft seal: Curve tolerance:	BQQE ISO9906:20	012 3B2	
	Materials:			
	Pump housing:	Stainless st	eel	
		ASTM CF8		
		EN 1.4308		
	Impeller:	Composite	PES/PP 309	% GF
	Installation:			
	Range of ambient temperature:			
	Maximum operating pressure: Type of connection:	PN 16 bar ANSI		
	Pipe connection:	DN 50		
	Pressure rating for pipe connect			
	Flange size for motor:	56C		
	Electrical data:			

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		Date:	2/28/2020
Count	Description		
	Motor type: IE Efficiency class: Rated power - P2: Main frequency: Rated voltage: Rated current: Cos phi - power factor: Rated speed: IE efficiency: Motor efficiency at full load:	71A IE5 0.5 HP 60 Hz 1 x 200-240 V 2.40-2.10 A 0.96 360-4000 rpm 84.0% 84.0 %	
	Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor Number:	0 IP55 F 99630319	
	Others: Net weight: Gross weight:	57.3 lb 57.3 lb	



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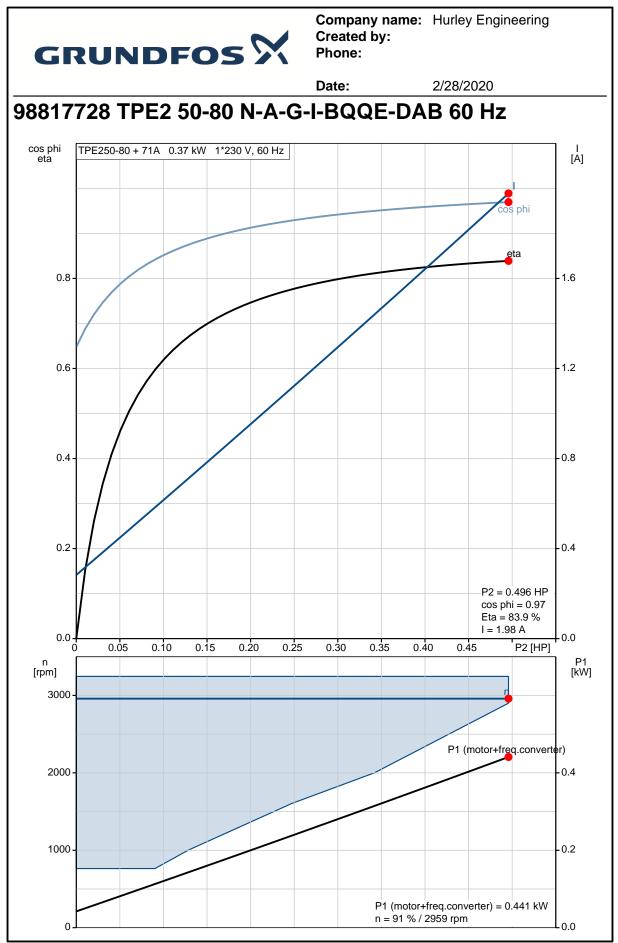
		Date:	2/28/2020
Description	Value	– H [ft]	TPE2 50-80, 1*230 V
General information:	Value	[14]	Q = 81.5 US gpm
Product name:	TPE2 50-80		H = 18.58 ft n = 91 % / 2959 rpm
	N-A-G-I-BQQE-DAB		Pumped liquid = Water 100 %Liquid temperature during operation = 68 °F
Product No.:	98817728	25 -	Density = 62.29 lb/ft^3
EAN:	5712601810173		91 % 63
	5712601810173	20 -	
Technical:		20-	64.6
Pump speed on which pump data is based:	3000 rpm	15 -	63
Actual calculated flow:	81.5 US gpm	10	57
Resulting head of the pump:	18.58 ft		51
Head max:	26.25 ft	10 -	45
Actual impeller diameter:	2.91 in		39
Code for shaft seal:	BQQE	5 -	33
Curve tolerance:	ISO9906:2012 3B2	5	
Pump version:	A		24 % Eff pump = 77.1 %
Materials:		0-	
Pump housing:	Stainless steel	(0 20 40 60 80 100 Q[USgpm]
r amp nodoling.	ASTM CF8	[HP]	[ft]
	EN 1.4308	0.6 -	P1 (motor+freq.converter) = 60
	Composite PES/PP 30%	_	
Impeller:	GF	0.4 -	P2 40
Material code:			
Installation:		0.2 -	20
Range of ambient temperature:	-4 122 °F	0.2 -	P1 (motor+freq.converter) = 441 W
Maximum operating pressure:	PN 16 bar		P2 = 0.496 HP NPSH = 6.42 ft
Type of connection:	ANSI	0.0 -	
Pipe connection:	DN 50		
Pressure rating for pipe connection:	PN 16		
Flange size for motor:	56C		
Connect code:	G		
Liquid:		· · · ·	
Pumped liquid:	Water		
Liquid temperature range:	-13 248 °F		
Selected liquid temperature:	68 °F		6.507 2.007 _ 2.00
Density:	62.29 lb/ft ³		t
Electrical data:	02.23 15/11	-	
Motor type:	71A		
IE Efficiency class:	IE5		Lange
			t
Rated power - P2:	0.5 HP		
Main frequency:	60 Hz		_
Rated voltage:	1 x 200-240 V		
Rated current:	2.40-2.10 A		<u></u>
Cos phi - power factor:	0.96		
Rated speed:	360-4000 rpm		
IE efficiency:	84.0%		
Motor efficiency at full load:	84.0 %	-	
Number of poles:	0		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protection:	YES		
Motor Number:	99630319		
Controls:			
Controls:			

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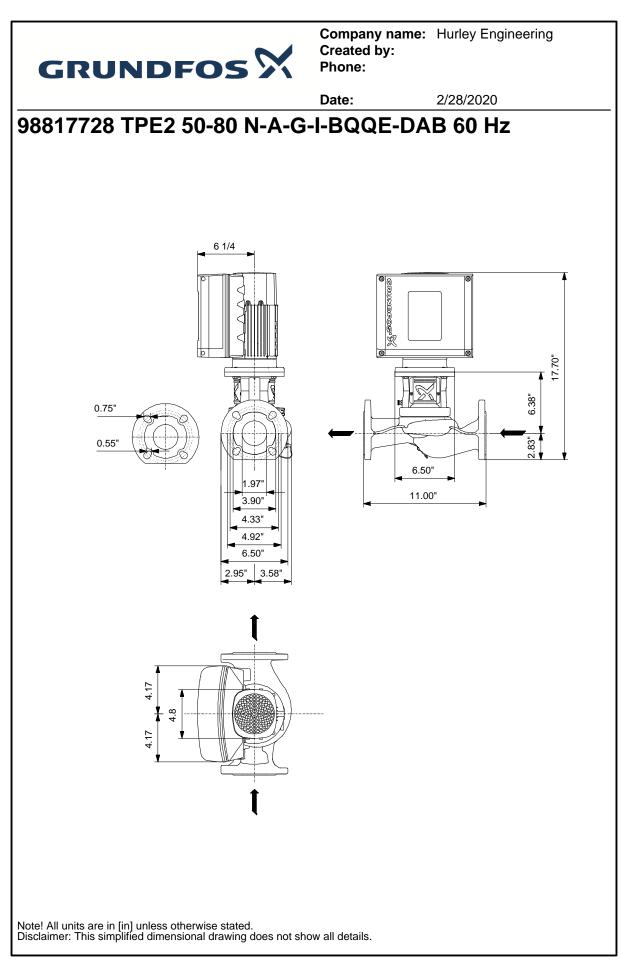


Company name: Hurley Engineering Created by: Phone:

		Date:	2/28/2020
Description	Value		
Control panel:	HMI300 - Graphical	-	
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Others:			
Net weight:	57.3 lb		
Gross weight:	57.3 lb		
Config. file no:	98819175		

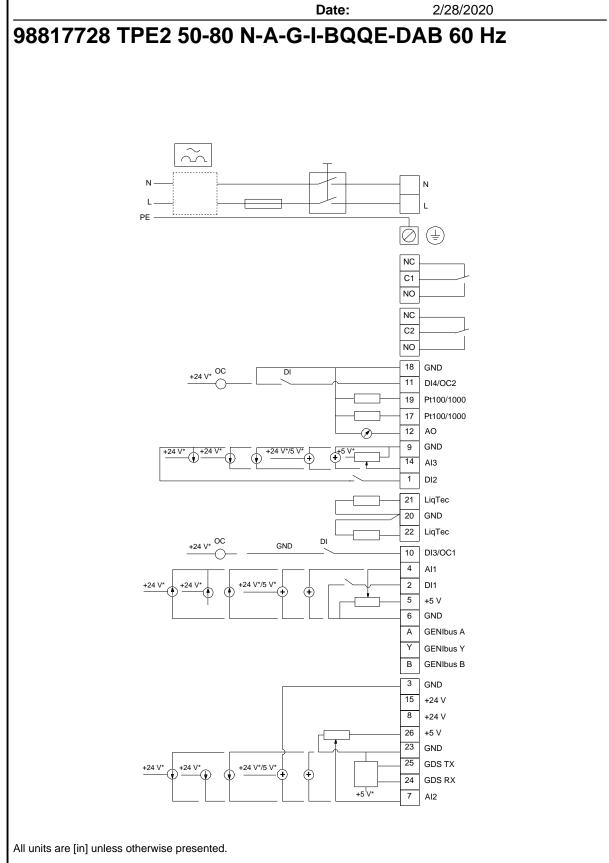


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2/28/2020

Date:

Order Data:

Product name: TPE2 50-80 N-A-G-I-BQQE-DAB Amount: 1 Product No.: 98817728

Total: Price on request