

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:	

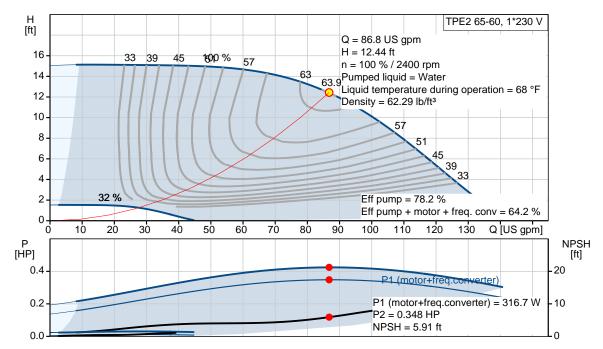


TPE2 65-60 N-A-G-I-BQQE-DAB

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

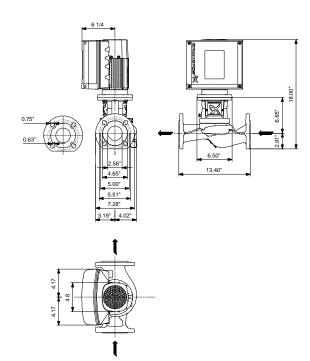
Product photo could vary from the actual product

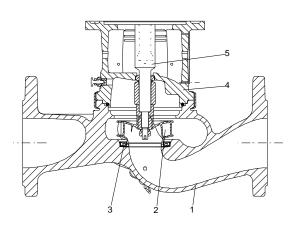
Conditions of Service		Pump Data		Motor Data	
Flow:	86.8 US gpm	Liquid temperature range:	-13 248 °F	Rated power - P2:	0.5 HP
Head:	12.44 ft	Maximum ambient temperature:	122 °F	Rated voltage:	200-240 V
Efficiency:	64.2 %	Shaft seal:	BQQE	Main frequency:	60 Hz
Liquid:	Water	Pipe connection:	DN 65	Number of poles:	0
Temperature:	68 °F	Product number:	98817753	Enclosure class:	IP55
NPSH required:	5.91 ft			Insulation class:	F
Viscosity:				Motor protection:	YES
Specific Gravity:	1.000			Motor type:	71A
				Motor_efficiency:	84.0 %





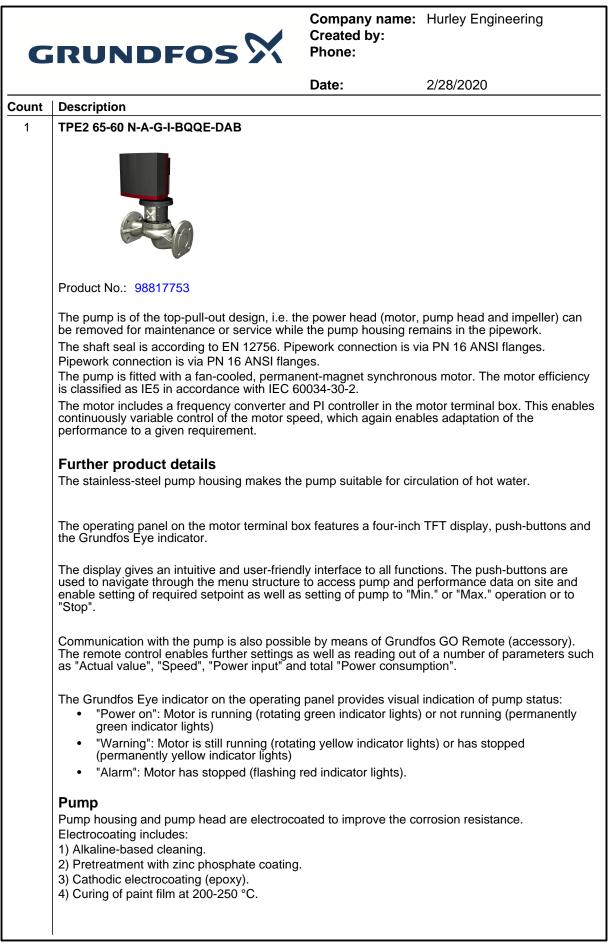
Submittal Data





Materials:

Pump housing:	Stainless steel ASTM CF8
Impeller:	Composite PES/PP 30% GF
Material code:	1



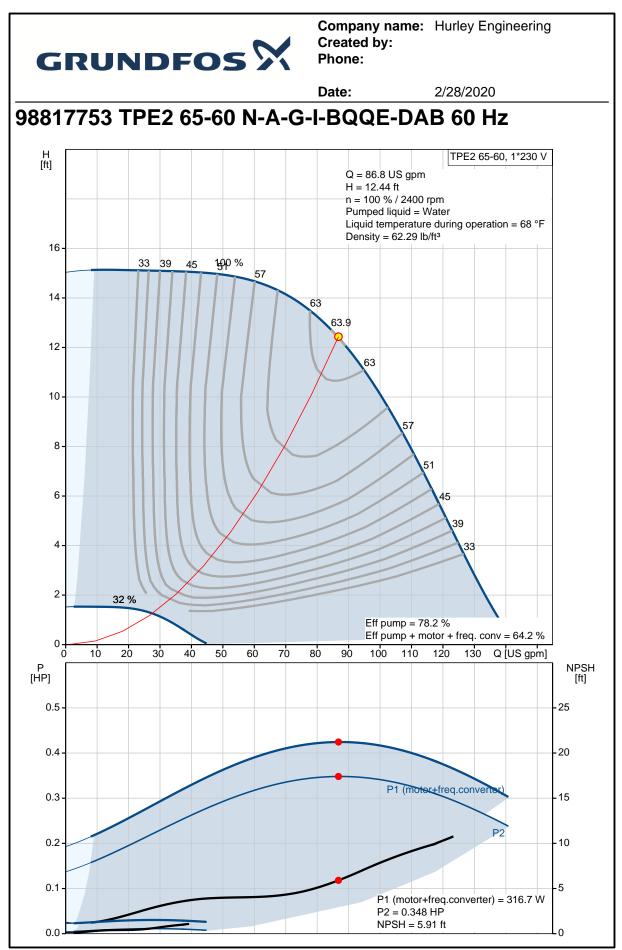
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		Date:	2/28/2020
t [Description		
S	The pump is fitted with an unbala spring and around the bellows. I movement is not prevented by d	Due to the bellows, the se	al with torque transmission across the eal does not wear the shaft, and the axia
	Primary seal:		
ſ	 Rotating seal ring materia 	II: silicon carbide (SiC)	
	Stationary seat material:		
t	his material pairing offers good	resistance against abrasi	•
	Secondary seal material: EPDM		
E	EPDM has excellent resistance t	o hot water. EPDM is no	t suitable for mineral oils.
ہر s	A circulation of liquid through the shaft seal.	e duct of the air vent scre	w ensures lubrication and cooling of the
ľ	Motor		
ר	The motor is a totally enclosed, f	an-cooled motor with prin	ncipal dimensions to IEC and DIN
S	standards. Electrical tolerances	comply with IEC 60034.	
-	The motor efficiency is classified	as IE5 in accordance wi	th IEC 60034-30-2
	Technical data		
	Controls:		
	Frequency converter:	Built-in	
·			
	Liquid:		
	Pumped liquid:	Water	
	Liquid temperature range:	-13 248 °F	
	Selected liquid temperature:	68 °F	
	Density:	62.29 lb/ft ³	
Т	Technical:		
	Pump speed on which pump dat		
	Actual calculated flow:	86.8 US gpm	
	Resulting head of the pump:	12.44 ft	
	Actual impeller diameter:	3.07 in	
	Code for shaft seal:	BQQE	
	Curve tolerance:	ISO9906:2012 3B2	
ſ	Materials:		
F	Pump housing:	Stainless steel	
		ASTM CF8	
		EN 1.4308	
	mpeller:	Composite PES/PP 30%	6 GF
	nstallation:		
	Range of ambient temperature:	-4 122 °F	
	Vaximum operating pressure:	PN 16 bar	
	Type of connection:	ANSI	
	Pipe connection:	DN 65	
	Pressure rating for pipe connecti	on: PN 16	
_ F		500	
	Flange size for motor:	56C	
F	Flange size for motor: Electrical data:	560	

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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: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor Number:	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 % 0 IP55 F 99630319	
	Others: Net weight: Gross weight:	63.5 lb 63.5 lb	



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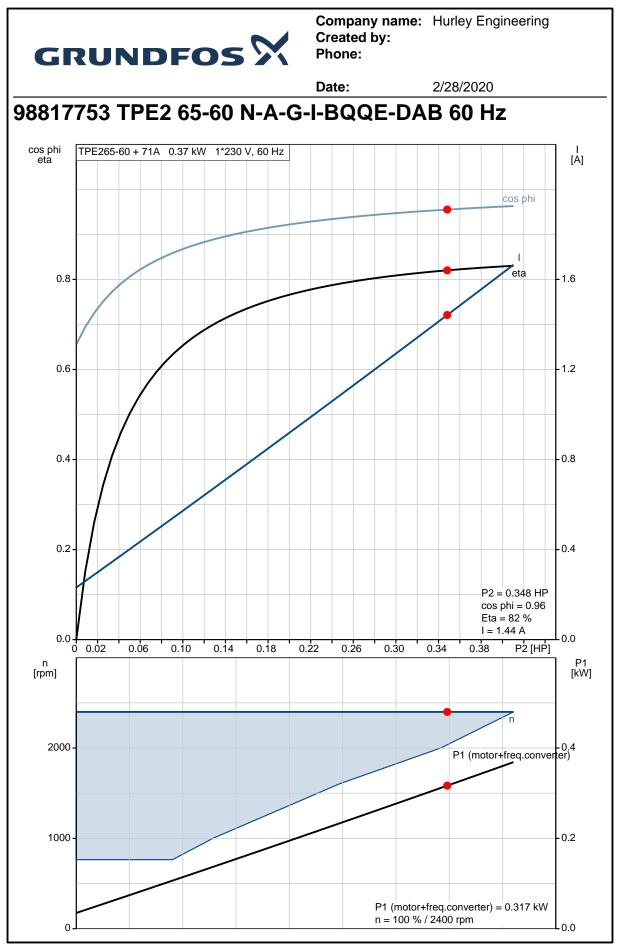


		Date:	2/28/2020
Description	Value	H [ft]	TPE2 65-60, 1*230 V
General information:	value		Q = 86.8 US gpm
Product name:	TPE2 65-60 N-A-G-I-BQQE-DAB	16 -	H = 12.44 ft n = 100 % / 2400 rpm Pumped liquid = Water
Product No.:	98817753	-	Liquid temperature during operation = 68 °F Density = 62.29 lb/ft ³
EAN:	5712601810678	14 -	63
	5712601810678	12 -	63.9
Technical:		12	63
Pump speed on which pump data is based:	2400 rpm	10 -	57
Actual calculated flow:	86.8 US gpm	8-	51
Resulting head of the pump:	12.44 ft	6	45
Head max:	19.69 ft	6-	39
Actual impeller diameter:	3.07 in	4 -	33
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2	2-	32 % Eff pump = 78.2 %
Pump version:	A		Eff pump + motor + freq. $conv = 64.2 \%$
Materials:		0	20 40 60 80 100 Q [US gpm]
Pump housing:	Stainless steel	P [HP]	NPSH [ft]
	ASTM CF8	- []	[¹]
	EN 1.4308	0.4 -	20
Impeller:	Composite PES/PP 30% GF	0.4 -	PT (motor+freq.sonvertes)
Material code:			P2 10
Installation:		0.2 -	
Range of ambient temperature:	-4 122 °F	_ []	P1 (motor+freq.converter) = 316.7 W P2 = 0.348 HP
Maximum operating pressure:	PN 16 bar		NPSH = 5.91 ft
Type of connection:	ANSI	0.0	
Pipe connection:	DN 65		
Pressure rating for pipe connection:	PN 16		
Flange size for motor:	56C		
Connect code:	G		
Liquid:			
Pumped liquid:	Water		2 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4
Liquid temperature range:	-13 248 °F		2017 - 501 - 5
Selected liquid temperature:	68 °F		+ <u></u> ++
Density:	62.29 lb/ft ³	F	T
Electrical data:	74.4	48	
Motor type:	71A IE5	7	
IE Efficiency class: Rated power - P2:			t
Main frequency:	0.5 HP 60 Hz		
Rated voltage:	1 x 200-240 V		~
Rated current:	2.40-2.10 A		
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:			

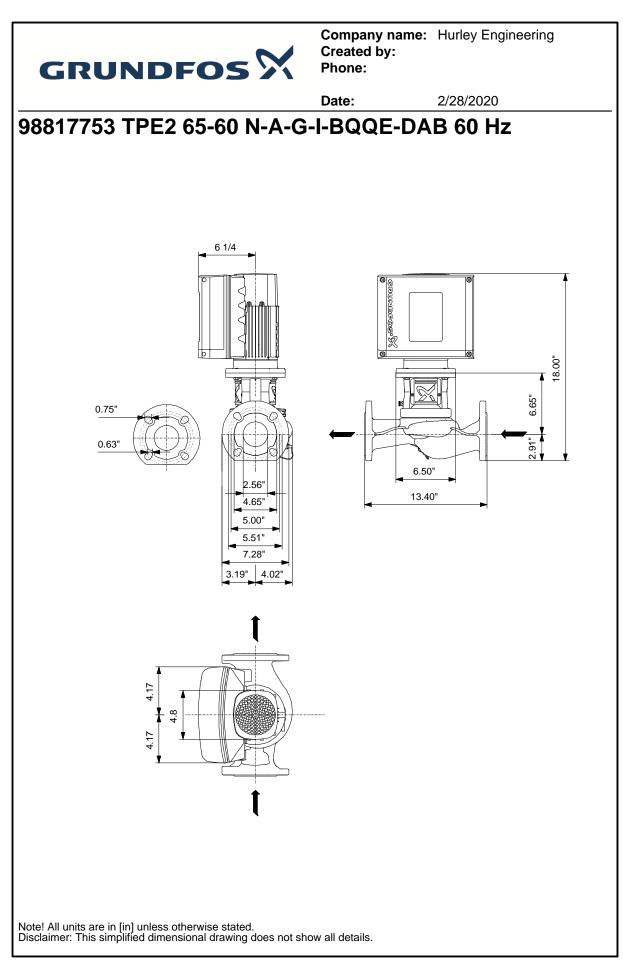
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		Date:	2/28/2020
Description	Value		
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Others:			
Net weight:	63.5 lb		
Gross weight:	63.5 lb		
Config. file no:	98819179		

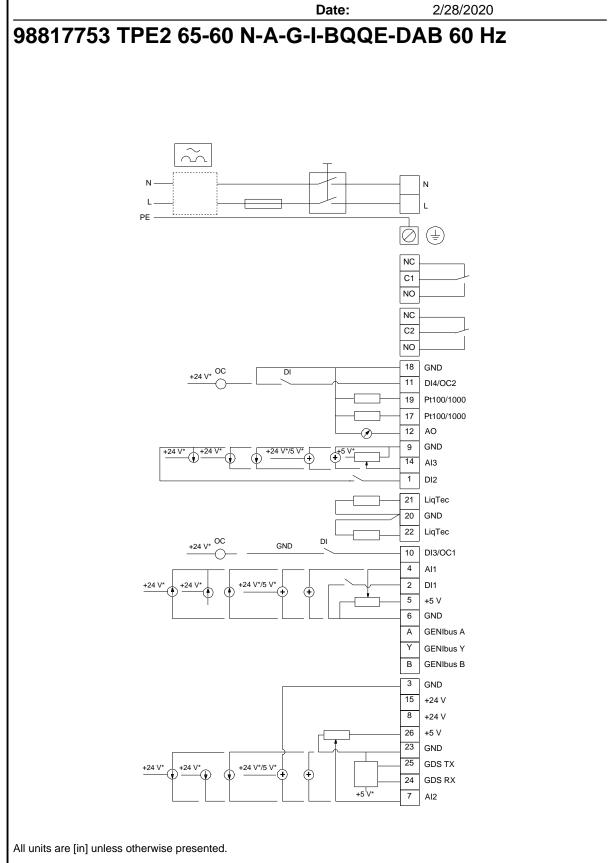


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2/28/2020

Date:

Ordor	Data	
Order	Data:	

Product name:TPE2 65-60 N-A-G-I-BQQE-DABAmount:1Product No.:98817753

Total: Price on request