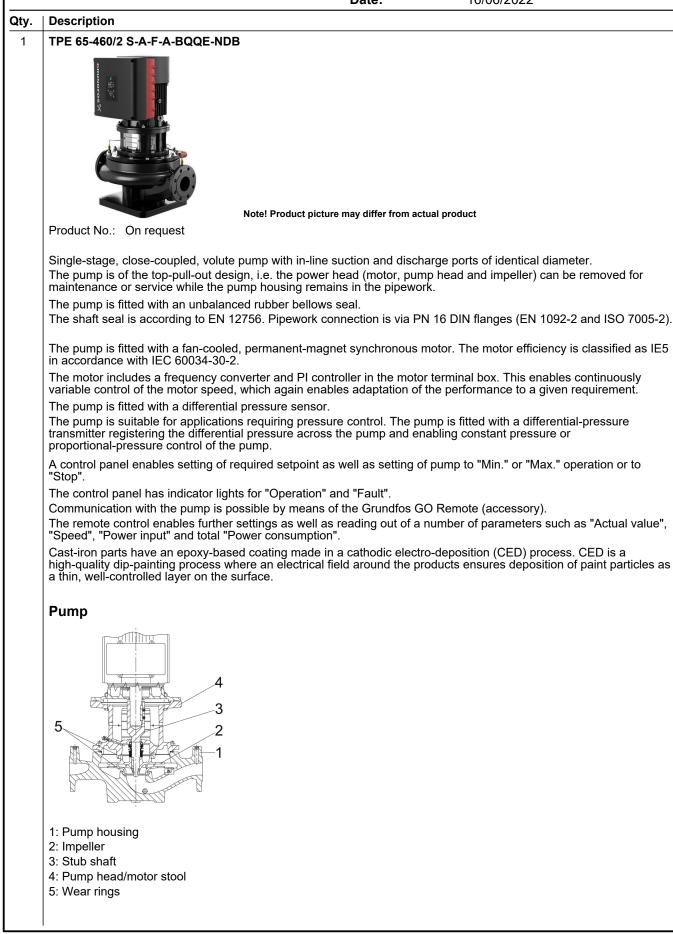


Date:

16/06/2022





Company name:

Qty.	Description

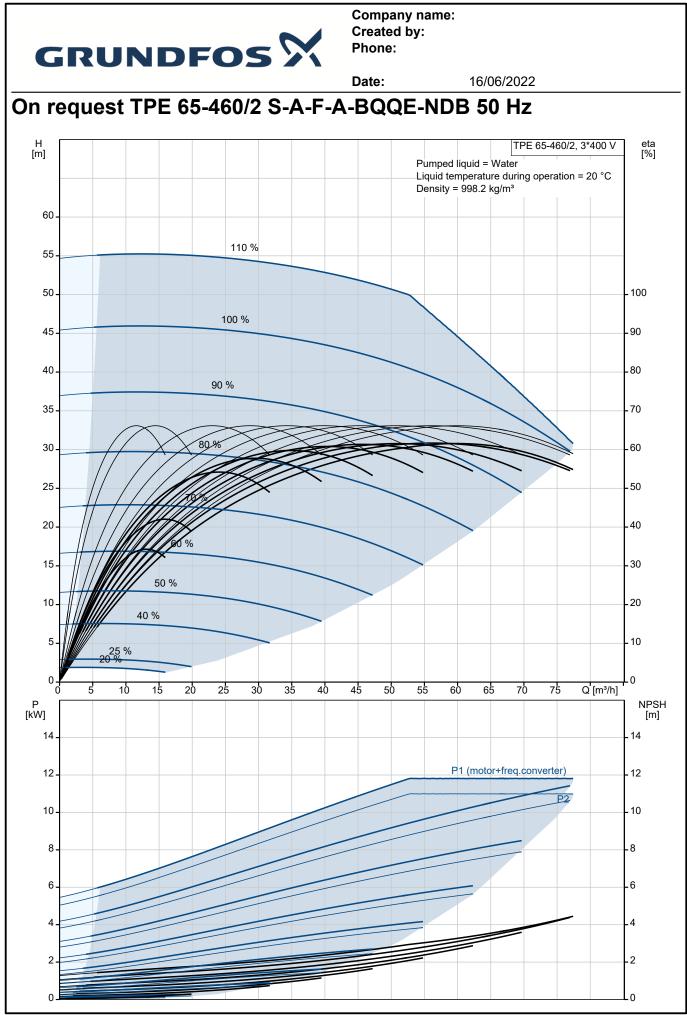
GRUNDFOS 🕅	Date:	16/06/2022
Description		10/00/2022
The pump housing is provided with a replaceable brass r outlet side of the impeller to the inlet side.	neck ring to	reduce the amount of liquid running from the
The impeller is secured to the shaft with a nut. The pump is fitted with an unbalanced rubber bellows se bellows. Due to the bellows, the seal does not wear the s on the shaft.	al with torqu shaft, and th	ue transmission across the spring and around the ne axial movement is not prevented by deposits
 Seal faces: Rotating seal ring material: silicon carbide (SiC) Stationary seat material: silicon carbide (SiC) 		
This material pairing is used where higher corrosion resis offers good resistance against abrasive particles.	stance is ree	quired. The high hardness of this material pairing
Secondary seal material: EPDM (ethylene-propylene rub EPDM has excellent resistance to hot water. EPDM is no A circulation of liquid through the duct of the air vent scree The flanges have tappings for mounting of pressure gaug The motor stool forms connection between the pump hou screw for venting of the pump housing and the shaft seal housing is an O-ring.	ot suitable fo w ensures ges. using and th	lubrication and cooling of the shaft seal.
The central part of the motor stool is provided with guard shaft is fastened directly on the motor shaft with key and The pump is mounted with a base plate.	s for protec set screws.	tion against the shaft and coupling. The pump
Motor The motor is a totally enclosed, fan-cooled motor with pri tolerances comply with IEC 60034.	ncipal dime	nsions to IEC and DIN standards. Electrical
The motor is flange-mounted with free-hole flange (FF). Motor-mounting designation in accordance with IEC 6003	34-7: IM B 5	5, IM V 1 (Code I) / IM 3001, IM 3011 (Code II).
The motor efficiency is classified as IE5 in accordance w The motor requires no external motor protection. The mo quick-rising temperatures, e.g. constant overload and sta The terminal box holds terminals for these connections: • one dedicated digital input	tor control u Illed condition	unit incorporates protection against slow- and ons.
 two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 one of these inputs 	5 - 3.5 V; the	e factory-fitted pressure sensor is connected to
 5 V voltage supply to potentiometer and sensor one configurable digital input or open-collector ou Grundfos Digital Sensor input and output 24 V voltage supply for sensors two signal relay outputs (potential-free contacts) GENIbus connection interface for Grundfos CIM fieldbus module. 	tput	
Further product details Cast-iron parts have an epoxy-based coating made in a chigh-quality dip-painting process where an electrical field a thin, well-controlled layer on the surface.	cathodic ele around the	ectro-deposition (CED) process. CED is a products ensures deposition of paint particles as

Technical data

Controls: Frequency converter:	Built-in
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -25 120 °C 20 °C 998.2 kg/m³

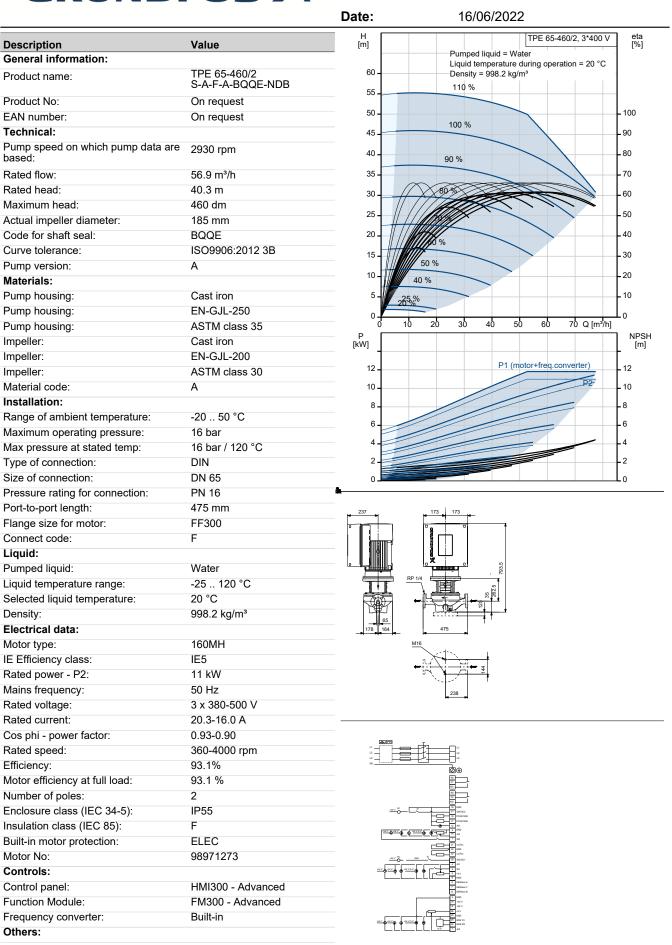


			Date:	16/06/2022
/ .	Description			
	Technical:			
	Pump speed on which pump data	a are based: 2930	rpm	
	Rated flow:	56.9 m³/h		
	Rated head:	40.3 m		
	Actual impeller diameter:	185 mm		
	Code for shaft seal:	BQQE		
	Curve tolerance:	ISO9906:2012 3B		
		1000000.2012.00		
	Materials:			
	Pump housing:	Cast iron		
		EN-GJL-250		
		ASTM class 35		
	Impeller:	Cast iron		
		EN-GJL-200		
		ASTM class 30		
	Installation:			
	Range of ambient temperature:	-20 50 °C		
	Maximum operating pressure:	16 bar		
	Max pressure at stated temp:	16 bar / 120 °C		
	Type of connection:	DIN		
	Size of connection:	DN 65		
	Pressure rating for connection:	PN 16		
	Port-to-port length:	475 mm		
	Flange size for motor:	FF300		
	Flange size for motor.	FF300		
	Electrical data:			
	Motor type:	160MH		
	IE Efficiency class:	IE5		
	Rated power - P2:	11 kW		
	Mains frequency:	50 Hz		
	Rated voltage:	3 x 380-500 V		
	Rated current:			
		20.3-16.0 A		
	Cos phi - power factor:	0.93-0.90		
	Rated speed:	360-4000 rpm		
	Efficiency:	93.1%		
	Motor efficiency at full load:	93.1 %		
	Number of poles:	2		
	Enclosure class (IEC 34-5):	IP55		
	Insulation class (IEC 85):	F		
	Motor No:	98971273		
	Others:	0.52		
	Minimum efficiency index, MEI ≥:			
	Net weight:	127 kg		
	Gross weight:	164 kg		
	Shipping volume:	0.56 m³		
	Danish VVS No.:	381944460		
	Finnish LVI No.:	4616395		
	Country of origin:	HU		
	Custom tariff no.:	84137051		
	1			



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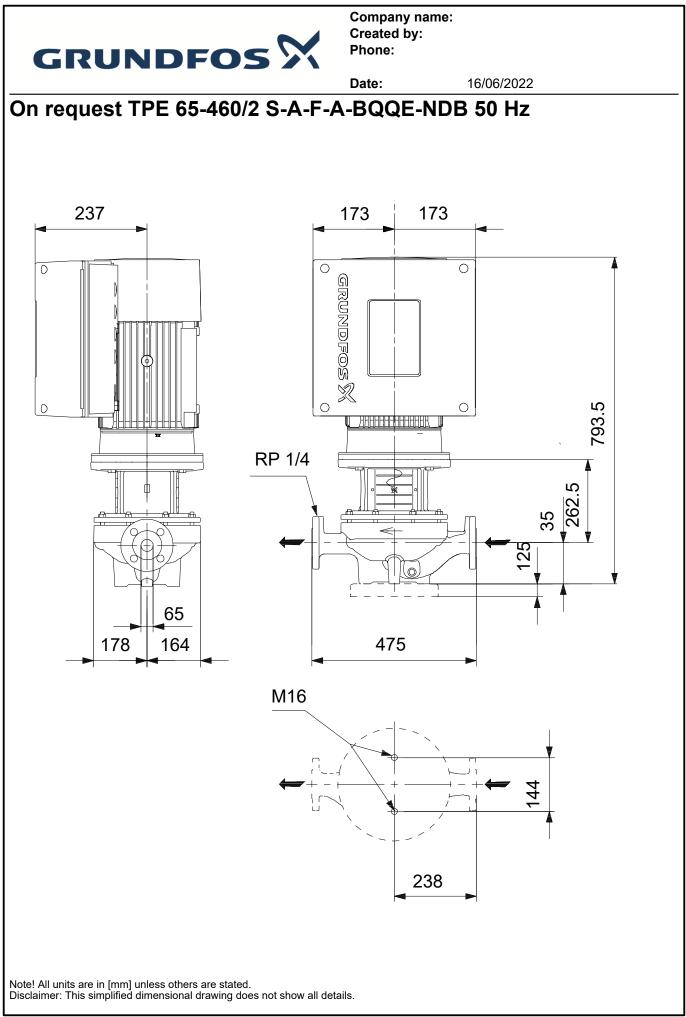


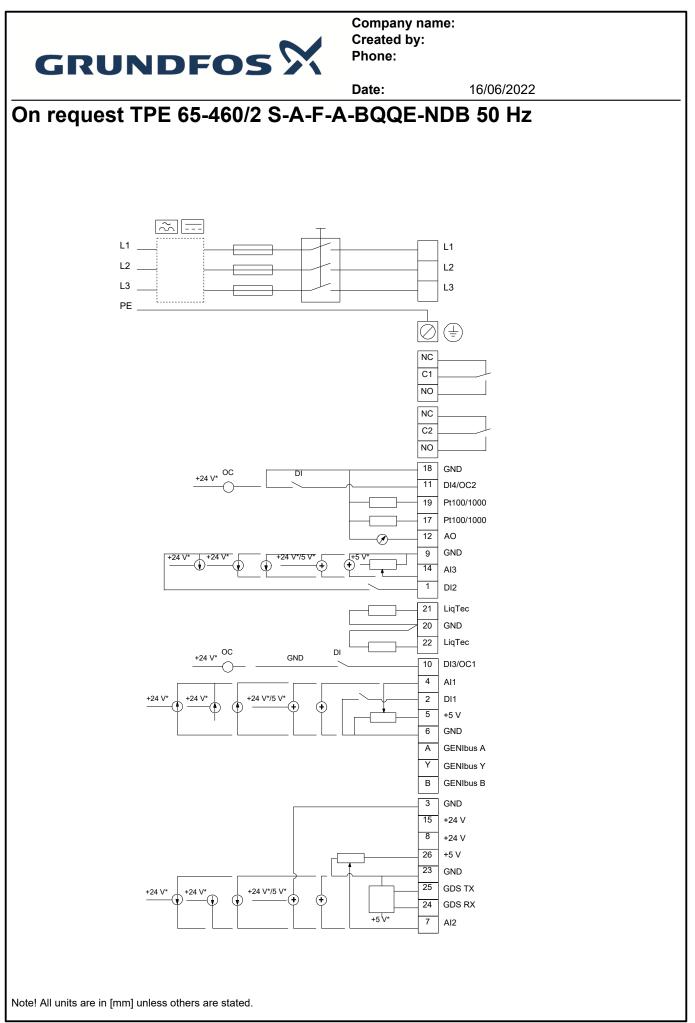


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		Date:	16/06/2022
Description	Value		
Minimum efficiency index, MEI ≥:	0.53		
Net weight:	127 kg		
Gross weight:	164 kg		
Shipping volume:	0.56 m³		
Config. file no:	99247888		
Danish VVS No.:	381944460		
Finnish LVI No.:	4616395		
Country of origin:	HU		
Custom tariff no.:	84137051		







16/06/2022

Order Data:

Product name:TPE 65-460/2Amount:1Product No:On request

Total: Price on request