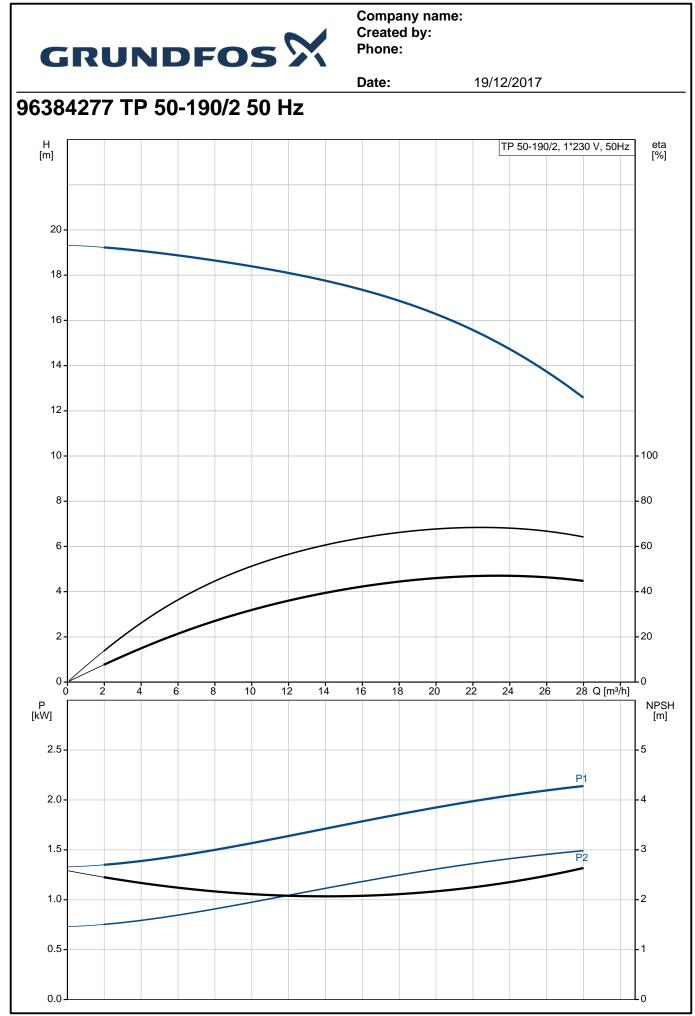
G	R	UNDFOS	Company r Created by Phone:				
			Date:	19/12/2017			
Position	Qty.	Description					
	1	TP 50-190/2 A-F-A-BQQE					
	Product No.: 96384277						
	Single-stage, close-coupled, volute pump with in-line suction and discharge ports The pump is of the top-pull-out design, i.e. the power head (motor, pump head ar removed for maintenance or service while the pump housing remains in the pipe						
	The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.						
		Technical: Speed for pump data: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	2900 rpm 22.2 m³/h 15.5 m 120 mm BQQE ISO9906:2012 3B				
		Materials: Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48-40 B Cast iron EN-JL1030 ASTM A48-30 B				
		Installation:					
		Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pump inlet: Pump outlet: Pressure rating: Port-to-port length: Flange size for motor:	-30 40 °C 16 bar DIN DN 50 DN 50 DN 50 PN 16 340 mm FF165				
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	90LB NA 1.5 kW 1.5 kW 50 Hz				



		Date:	19/12/2017
Qty.	Description		
	Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	1 x 220-230/240 V 9,90/8,90 A 390 % 0,98/0,99 2750/2740 rpm 72-70 % 2 55 Dust/Jetting F	
	Others:		
	Qty.	Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Others: Minimum efficiency index, MEI ErP status: Net weight: Gross weight:	Qty.DescriptionRated voltage:1 x 220-230/240 VRated current:9,90/8,90 AStarting current:390 %Cos phi - power factor:0,98/0,99Rated speed:2750/2740 rpmMotor efficiency at full load:72-70 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Uthers:Minimum efficiency index, MEI0.70ErP status:EuP Standalone/Prod.Net weight:52 kgGross weight:66 kg

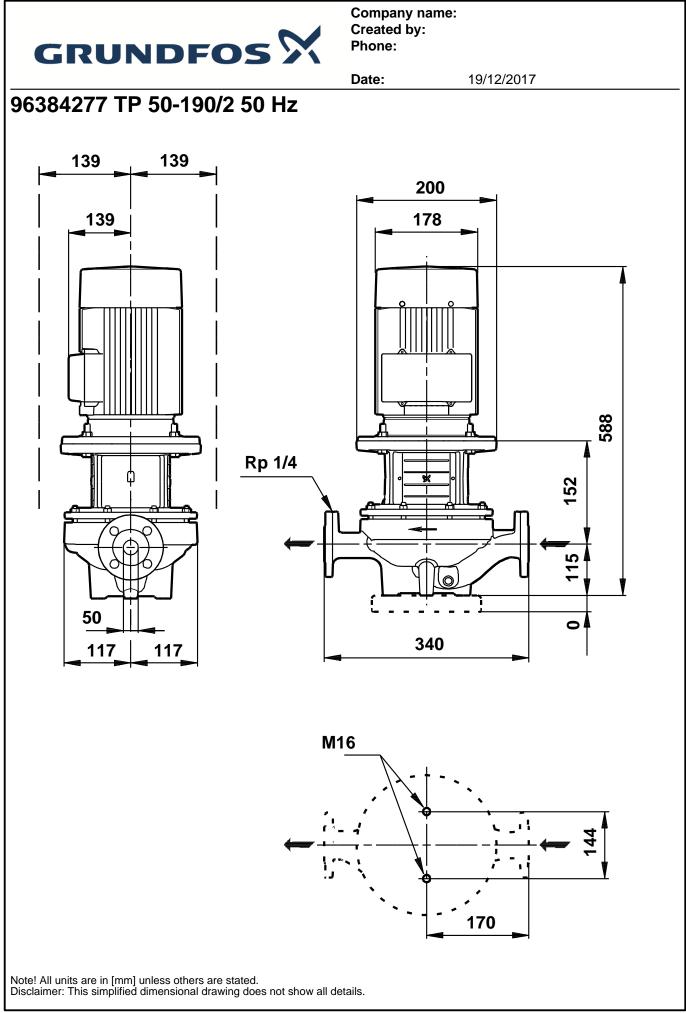




		Date:	19/1	12/2017		
Description	Description Value			TP 50-190/2, 1*230 V, 50Hz		z eta [%
General information:		[m]				- '´
Product name:	TP 50-190/2 A-F-A-BQQE	-				
Product No:	96384277	20 -				-
EAN number:	5700832152902					
EAN humber.	5700632152902	18 -				
Technical:		16 -				
Speed for pump data:	2900 rpm					
		14 -				_
Rated flow:	22.2 m³/h	_				
Rated head:	15.5 m	12 -				-
Head max:	190 dm					
Actual impeller diameter:	120 mm	10 -				100
Primary shaft seal:	BQQE	8 -				- 80
Curve tolerance:	ISO9906:2012 3B	0-				– ⁸⁰
Pump version:	A	6 -			<u> </u>	60
Model:	A					
		4 -				- 40
Materials:						
Pump housing:	Cast iron	2				- 20
	EN-JL1040					\int_{0}
	ASTM A48-40 B	0	5 10	15 20	25 Q [m³/h]	
Impeller:	Cast iron	P				NP
	EN-JL1030	[kW]				[n
	ASTM A48-30 B	2.5 -			D4	- 5
Material code:		2.0 -			P1	4
Material code:	Α	2.0 -				T [‡]
Installation:		1.5 -				-3
	00 10 00				P2	-
Range of ambient temperature:	-30 40 °C	1.0				2
Maximum operating pressure:	16 bar					
Flange standard:	DIN	0.5				-1
Connect code:	F	_				
Pipe connection:	DN 50	0.0				Lo
Pump inlet:	DN 50					
Pump outlet:	DN 50					
Pressure rating:	PN 16					
Port-to-port length:	340 mm					
Flange size for motor:	FF165					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:	20 °C					
Density:	998.2 kg/m ³					
Electrical data:						
Motor type:	90LB					
IE Efficiency class:	NA					
Rated power - P2:	1.5 kW					
Power (P2) required by pump:	1.5 kW					
Mains frequency:	50 Hz					
Rated voltage:	1 x 220-230/240 V					
Rated current:	9,90/8,90 A					
Starting current:	390 %					
Cos phi - power factor:	0,98/0,99					
Rated speed:	2750/2740 rpm					
Motor efficiency at full load:	72-70 %					
Number of poles:	2					
Enclosure class (IEC 34-5):	55 Dust/Jetting					
Insulation class (IEC 85):	F					
Motor protec:	PTO					



		Date:	19/12/2017
Description	Value		
Motor No:	87204305		
Others:			
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	52 kg		
Gross weight:	66 kg		
Shipping volume:	0.18 m ³		





Date:

19/12/2017

96384277 TP 50-190/2 50 Hz

