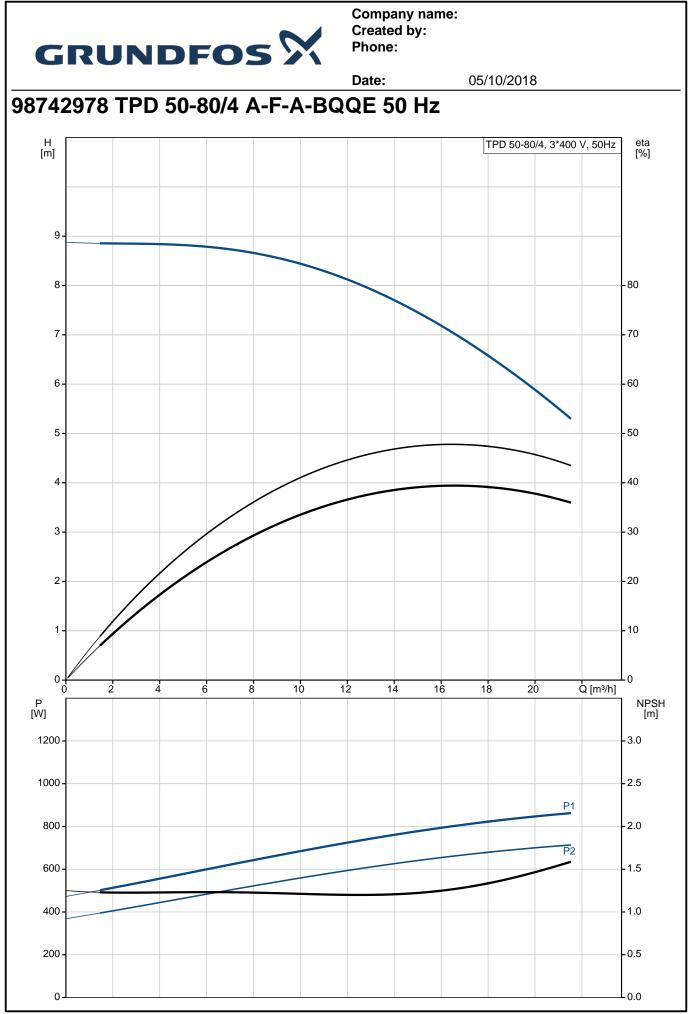
| G | RI | UNDFOS | Company name Created by: Phone: | : | | | |
|----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------|--|--|--|
| | | | Date: | 05/10/2018 | | | |
| Position | Qty. | Description | | | | | |
| | 1 | TPD 50-80/4 A-F-A-BQQE | | | | | |
| | | Product No.: 98742978 | | | | | |
| | | Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework. | | | | | |
| | | Each power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). Each power head is fitted with a fan-cooled asynchronous motor of indentical size. | | | | | |
| | | Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density: | Water -25 120 °C tion: 20 °C 998.2 kg/m³ | | | | |
| | | Technical: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance: | 16.6 m³/h 6.97 m 176 mm BQQE ISO9906:2012 3B | | | | |
| | | Materials: | | | | | |
| | | Pump housing: | 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: (@): Flange size for motor: | -30 60 °C 16 bar DIN DN 50 DN 50 DN 50 PN 16 440 mm FF165 | | | | |
| | | Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: | 90SC IE3 2 x 0.75 kW 50 Hz 3 x 220-240D/380-415Y V | | | | |

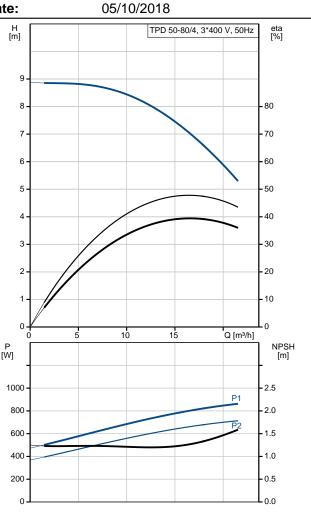


| | | Date: | 05/10/2018 |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------|
| | cription | | |
| Rate Start Cos Rate Effici Moto Moto Num Encle Insul Othe Minir ErP s Net v Gros | cription d current: ing current: phi - power factor: d speed: iency: or efficiency at full load: or efficiency at 3/4 load: or efficiency at 1/2 load: ber of poles: osure class (IEC 34-5): ation class (IEC 85): | Date: 3.30/1.90 A 620-670 % 0.71-0.64 1455-1463 rpm IE3 82,5% 82.5 % 83.6 % 81.1 % 4 55 Dust/Jetting F | |



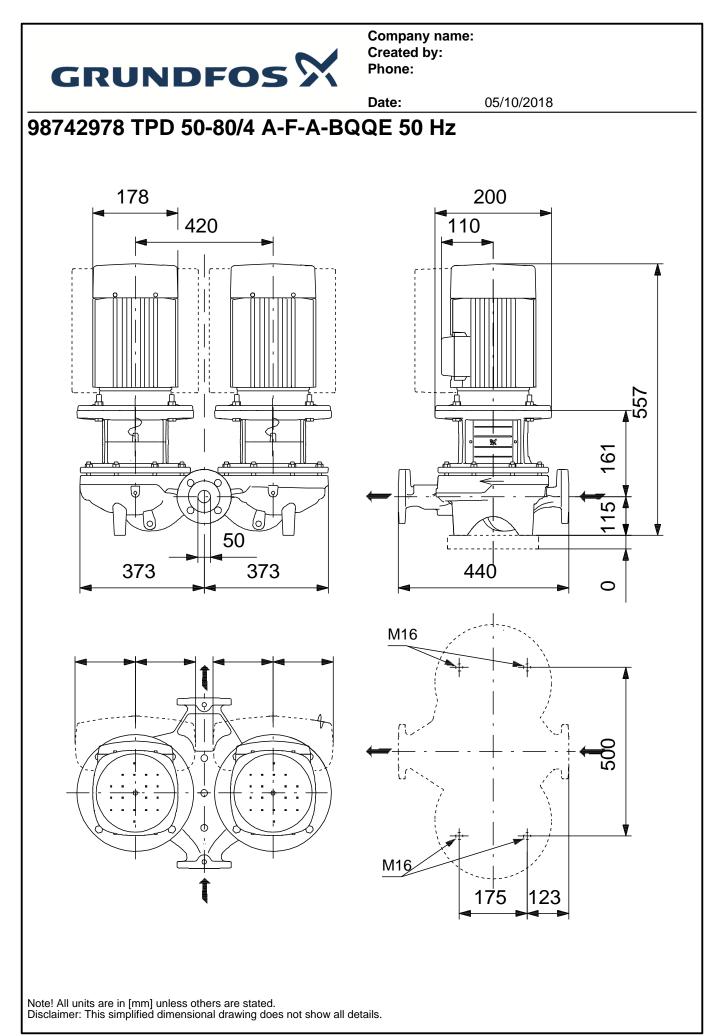


| | | н |
|--------------------------------------|-------------------------|------------------|
| Description | Value | [m] |
| General information: | TPD 50-80/4 A-F-A-BQQE | - |
| Product name: Product No: | 98742978 | 9 |
| EAN number: | 5712600816893 | |
| | 5712000610693 | 8- |
| Technical: | 40.0 | _ |
| Rated flow: | 16.6 m ³ /h | 7- |
| Rated head: | 6.97 m | |
| Head max: | 80 dm | 6 - |
| Actual impeller diameter: | 176 mm | _ |
| Primary shaft seal: | BQQE | 5 - |
| Curve tolerance: | ISO9906:2012 3B | 4 - |
| Pump version: | A | 4 - |
| Model: | A | 3- |
| Materials: | 0 <i>i</i> : | _ |
| Pump housing: | Cast iron | 2 |
| | EN-JL1040 | - // |
| | ASTM A48-40 B | 1- |
| Impeller: | Cast iron | |
| | EN-JL1030 | - 0 1 |
| | ASTM A48-30 B | - P |
| Material code: | A | [W] |
| Installation: | | |
| Range of ambient temperature: | -30 60 °C | 1000 - |
| Maximum operating pressure: | 16 bar | |
| Flange standard: | DIN | 800 - |
| Pipe connection: | DN 50 | 600 - |
| Pump inlet: | DN 50 | |
| Pump outlet: | DN 50 | 400 - |
| Pressure rating: | PN 16 | 200 - |
| (@) | 440 mm | |
| Flange size for motor: | FF165 | 0 |
| Connect code: | F | |
| Liquid: | | |
| Pumped liquid: | Water | |
| Liquid temperature range: | -25 120 °C | |
| Liquid temperature during operation: | 20 °C | |
| Density: | 998.2 kg/m³ | |
| Electrical data: | - | |
| Motor type: | 90SC | |
| IE Efficiency class: | IE3 | |
| Rated power - P2: | 2 x 0.75 kW | |
| Mains frequency: | 50 Hz | |
| Rated voltage: | 3 x 220-240D/380-415Y V | |
| Rated current: | 3.30/1.90 A | |
| Starting current: | 620-670 % | |
| Cos phi - power factor: | 0.71-0.64 | |
| Rated speed: | 1455-1463 rpm | |
| Efficiency: | IE3 82,5% | |
| Motor efficiency at full load: | 82.5 % | |
| Motor efficiency at 3/4 load: | 83.6 % | |
| Motor efficiency at 1/2 load: | 81.1 % | |
| Number of poles: | 4 | |
| Enclosure class (IEC 34-5): | | |
| | 55 Dust/Jetting F | |
| Insulation class (IEC 85): | | |
| Motor protec: | NONE | |
| Motor No: Others: | 87120313 | |
| | | |





| | | Date: | 05/10/2018 | |
|------------------|----------------------|-------|------------|--|
| Description | Value | | | |
| ErP status: | EuP Standalone/Prod. | | | |
| Net weight: | 130 kg | | | |
| Gross weight: | 144 kg | | | |
| Shipping volume: | 0.52 m ³ | | | |





Date:

05/10/2018

98742978 TPD 50-80/4 A-F-A-BQQE 50 Hz

