

07/03/2019

Qty. | Description

1

TPE3 D 65-200-S A-F-A-BQQE



Note! Product picture may differ from actual product

Product No.: 99272573

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 6/10 DIN flanges (EN 1092-2 and ISO 7005-2).

Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

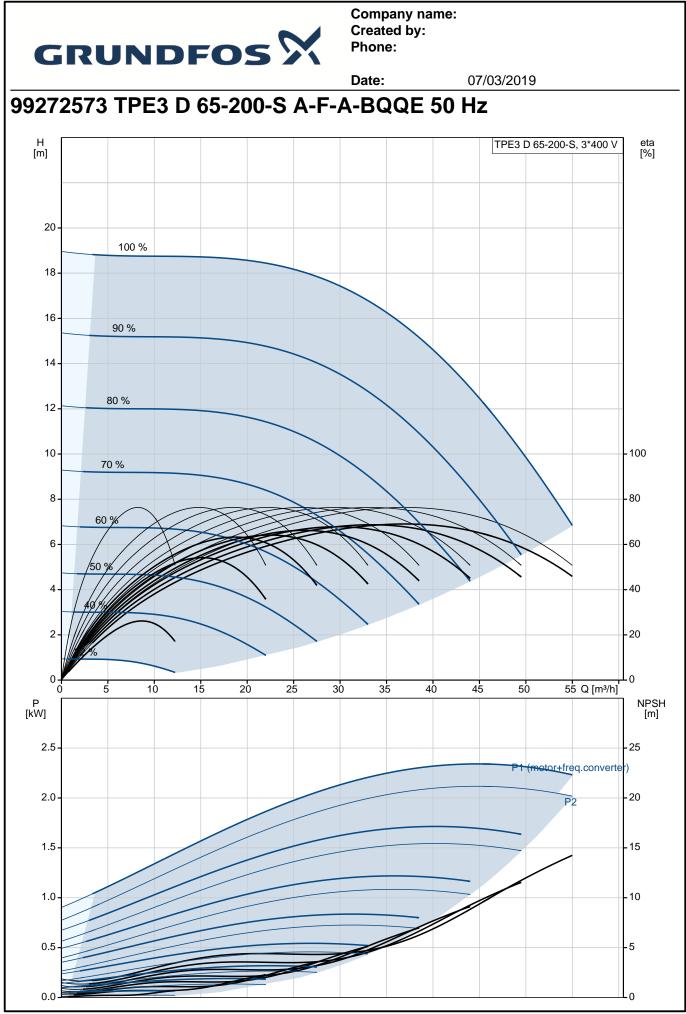
The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. The pump is fitted with a combined temperature- and differential-pressure sensor.

Controls:

| Frequency converter: | Built-in |
|--|---|
| Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density: | Water -25 120 °C ation: 20 °C 998.2 kg/m³ |
| Technical: Pump speed on which pump da Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance: | ta are based: 4800 rpm 34.9 m³/h 14.5 m 78 mm BQQE ISO9906:2012 3B |
| Materials: Pump housing: Impeller: | Cast iron EN-JL1040 ASTM A48-40 B Composite PES/PP 30% GF |
| Installation: Range of ambient temperature: Maximum operating pressure: Max pressure at stated temp: Flange standard: Pipe connection: | 10 bar |



| Pressure rating: PN 6/10 Port-o-port length: 340 mm Flange size for motor: 56C Electrical data: Motor type: 90LC IE Efficiency class: IE5 Rated power - P2: 2 x 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated voltage: 0.91-0.85 Rated speed: 480-5900 rpm Efficiency: 90.1% Motor efficiency at full load: 90.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 34-5): IP55 Insulation class (IEC 35): F Others: Minimum efficiency index, MEI â%*: 0.7 ErP status: EuP Standalone/Prod. Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m³ Country of origin: HU Custom tariff no.: 84137065 | Description | Date: | |
|--|----------------------------|----------|--|
| Port-to-port length:340 mmFlange size for motor:56CElectrical data:Motor type:90LCIE Efficiency class:IE5Rated power - P2:2 x 2.2 kWMains frequency:50 HzRated voltage:3 x 380-500 VRated current:4.35-3.55 ACos phi - power factor:0.91-0.85Rated speed:480-5900 rpmEfficiency:90.1 %Motor efficiency at full load:90.1 %Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI 剥:0.7ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Flange size for motor:56CElectrical data:Motor type:90LCIE Efficiency class:IE5Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency:50 HzRated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI 剥:0.7ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | | | |
| Electrical data:Motor type:90LCIE Efficiency class:IE5Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency:50 HzRated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor:0.91-0.85Rated speed:480-5900 rpmEfficiency:90.1%Motor efficiency at full load:90.1 %Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.7ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Motor type:90LCIE Efficiency class:IE5Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency: 50 Hz Rated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI 剥:0.7ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | Flange size for motor: | 56C | |
| Motor type:90LCIE Efficiency class:IE5Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency: 50 Hz Rated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FCothers:Minimum efficiency index, MEI ≥:0.7ErP status:ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | Electrical data: | | |
| IE Efficiency class:IE5Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency: 50 Hz Rated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI 剥:0.7ErP status:ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | | 90LC | |
| Rated power - P2: $2 \times 2.2 \text{ kW}$ Mains frequency: 50 Hz Rated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI al‰ *:0.7ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | | | |
| Mains frequency: 50 Hz Rated voltage: $3 \times 380-500 \text{ V}$ Rated current: $4.35-3.55 \text{ A}$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.7ErP status:ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | | | |
| Rated voltage: $3 \times 380-500 \vee$ Rated current: $4.35-3.55 \wedge$ Cos phi - power factor: $0.91-0.85$ Rated speed: $480-5900 \text{ rpm}$ Efficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI $å‰$ ¥: 0.7 ErP status:EuP Standalone/Prod.Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m^3 Country of origin:HU | | | |
| Rated current: $4.35-3.55$ ÅCos phi - power factor: $0.91-0.85$ Rated speed: $480-5900$ rpmEfficiency: 90.1% Motor efficiency at full load: 90.1% Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI 3% ¥: 0.7ErP status:EuP Standalone/Prod.Net weight: 60.3 kgGross weight: 73.5 kgShipping volume: 246 m³Country of origin:HU | | | |
| Cos phi - power factor:0.91-0.85Rated speed:480-5900 rpmEfficiency:90.1%Motor efficiency at full load:90.1 %Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.7ErP status:ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Rated speed:480-5900 rpmEfficiency:90.1%Motor efficiency at full load:90.1 %Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:VVErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Efficiency:90.1%Motor efficiency at full load:90.1%Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Vertex status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Motor efficiency at full load:90.1 %Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.7ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.7 ErP status: EuP Standalone/Prod. Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m³ Country of origin: HU | | | |
| Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.7 ErP status: EuP Standalone/Prod. Net weight: 60.3 kg Gross weight: 73.5 kg Shipping volume: 246 m³ Country of origin: HU | | | |
| Others:Minimum efficiency index, MEI ≥: 0.7ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Minimum efficiency index, MEI ≥:0.7ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | Insulation class (IEC 85): | F | |
| ErP status:EuP Standalone/Prod.Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Net weight:60.3 kgGross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Gross weight:73.5 kgShipping volume:246 m³Country of origin:HU | | | |
| Shipping volume:246 m³Country of origin:HU | | | |
| Country of origin: HU | | | |
| | | | |
| Custom tariff no.: 84137065 | | | |
| | Custom tariff no.: | 84137065 | |
| | | | |
| | | | |
| | | | |



Printed from Grundfos Product Centre [2019.01.000]



| | <u> </u> | | | | | | |
|---|--|------------|-----------------|-------------------|------------------|-------------------|-------------------------------|
| Description | Value | – H [m] | | | TPE3 | D 65-200- | S, 3*400 |
| General information: | | | | | | - | |
| roduct name: | TPE3 D 65-200-S A-F-A-BQQE | 20 - | 100 % | | | | |
| Product No: | 99272573 | | 100 % | | | | |
| EAN number: | 5713826366971 | 18 - | | | | | |
| Price: | 7.052,00 GBP | 16 - | | | | | |
| Fechnical: | 7.002,00 CDI | | 90 % | | | | |
| Pump speed on which pump data are | | 14 - | | | | | |
| based: | 4800 rpm | 12 - | 80 % | | \mathbf{n} | | |
| Rated flow: | 34.9 m³/h | | | | | | |
| Rated head: | 14.5 m | 10 - | 70 % | | \backslash | \setminus ' | |
| Head max: | 200 dm | _ | | | | $\langle \rangle$ | \backslash |
| Actual impeller diameter: | 78 mm | 8- | 60% | XXX | - | $ \rightarrow $ | |
| Primary shaft seal: | BQQE | 6- | 1/1 | | 1 | 67 | , |
| Curve tolerance: | ISO9906:2012 3B | 0- | 50% | | 1111 | NI | |
| Pump version: | Α | 4 - | | $\langle $ | 1/1 | | · ` |
| Model: | Α | _ | AS | | \backslash | T | |
| Materials: | | 2- | | $\langle \rangle$ | | | |
| Pump housing: | Cast iron | — | ¥% | | | | |
| | EN-JL1040 | 0 | 10 | 20 | 30 4 | 10 5 | 50 Q [m³/ł |
| | ASTM A48-40 B | – P (| 10 | | | | |
| | Composite PES/PP 30% | [kW] | | | | | |
| mpeller: | GF | 2.5 - | | | | P1 (mo | tor+freq.c |
| Material code: | A | 2.0 - | | | | | |
| Installation: | | 2.0 | | // | | | P2 |
| Range of ambient temperature: | -20 50 °C | 1.5 - | | /// | | | |
| Maximum operating pressure: | 10 bar | _ | | // | | | \vee |
| Max pressure at stated temp: | 10 bar / 120 °C | 1.0 - | | | | -/ | |
| Flange standard: | DIN | - | | | | | |
| Pipe connection: | DN 65 | 0.5 - | | | | | |
| Pressure rating: | DN 65 PN 6/10 | | | | | | |
| | 340 mm | 0.0 | | | | | |
| Port-to-port length: | | _ | | · · · · · | | | |
| Flange size for motor: | 56C | - + | 317 | 317 | | | |
| Connect code: | F | _ | | 260 | | | |
| Liquid: | | _ | | | ک ار | 6 | m |
| Pumped liquid: | Water | _ | | | | | |
| Liquid temperature range: | -25 120 °C | _ | 9 | | | | |
| Liquid temperature during operation: | 20 °C | _ | | | , LIU | × | |
| Density: | 998.2 kg/m ³ | _ | | 1 | 1 | T. | নৱ |
| Electrical data: | | | | | , , | | ر لگر |
| Motor type: | 90LC | | ₽ <u>~</u> -(-(| () MIT | 켜 🗕 | | |
| E Efficiency class: | IE5 | | 1 the | | | | 165 |
| Rated power - P2: | 2 x 2.2 kW | | 228 | 240 | | 34 | |
| Mains frequency: | 50 Hz | | <u>م</u> | | -1 | - | |
| Rated voltage: | 3 x 380-500 V | 134 | · \ | 1 | | 2 | |
| Rated current: | 4.35-3.55 A | - 134 | , > | <u>'</u> | 134 <u>M</u> | <u>*</u> | $\langle \mathcal{A} \rangle$ |
| Cos phi - power factor: | 0.91-0.85 | - 🔨 122 | $^{\circ}$ | N/ | 134 | | * ∦∠ |
| Rated speed: | 480-5900 rpm | - / ' | X / A | | \sim | | |
| Efficiency: | 90.1% | _ \ | |)° ((| \mathbf{N} | Ĩ. | (/ ۲ |
| Motor efficiency at full load: | | | | (\cap) | > > | un l | th # |
| | 90.1 % | | | | 158 | | YV) |
| Enclosure class (IEC 34-5): | IP55 | | | l | | <u>M12</u> | |
| Insulation class (IEC 85): | F | | | | | | |
| Motor protec: | YES | | | | | | |
| Motor No: | 99138039 | | | | | | |
| | | | | | | | |
| Controls: | | | | | | | |
| Control panel: | HMI300 - Graphical | | | | | | |
| Controls: Control panel: Function Module: Frequency converter: | HMI300 - Graphical FM300 - Advanced | | | | | | |



| | | Date: | 07/03/2019 |
|----------------------------------|----------------------|-------|------------|
| Description | Value | | |
| Minimum efficiency index, MEI ≥: | 0.7 | _ | |
| ErP status: | EuP Standalone/Prod. | | |
| Net weight: | 60.3 kg | | |
| Gross weight: | 73.5 kg | | |
| Shipping volume: | 246 m ³ | | |
| Config. file no: | 98484882 | | |
| Country of origin: | HU | | |
| Custom tariff no.: | 84137065 | | |

