

Date: 16/06/2022

Qty. | Description

1 TP 200-290/4 A-F-A-BQQE-SX3



Note! Product picture may differ from actual product

Product No.: On request

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter.

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.

The pump is fitted with an unbalanced rubber bellows seal.

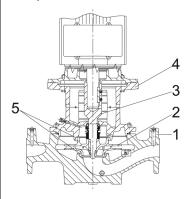
The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

The pump is fitted with a fan-cooled asynchronous motor.

The product's minimum efficiency index (MEI) is greater or equal to 0.70. This is by the Commission Regulation (EU) considered as an indicative benchmark for best-performing water pump available on the market as from 1 January 2013.

Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.

Pump



- 1: Pump housing
- 2: Impeller
- 3: Stub shaft
- 4: Pump head/motor stool
- 5: Wear rings

The pump housing is provided with a replaceable brass neck ring to reduce the amount of liquid running from the outlet side of the impeller to the inlet side.

The impeller is secured to the shaft with a nut.

The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft.

Seal faces:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.



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Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.

A circulation of liquid through the duct of the air vent screw ensures lubrication and cooling of the shaft seal.

The flanges have tappings for mounting of pressure gauges.

The motor stool forms connection between the pump housing and the motor, and is equipped with a manual air vent screw for venting of the pump housing and the shaft seal chamber. The sealing between motor stool and pump housing is an O-ring.

The central part of the motor stool is provided with guards for protection against the shaft and coupling. The pump shaft is fastened directly on the motor shaft with key and set screws.

Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.

The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5, IM V 1 (Code I) / IM 3001, IM 3011 (Code II).

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.

A variable speed drive makes adjustment of pump performance to any duty point possible. If the motor is to be connected to a variable speed drive, the pump must be ordered with an electrically insulated motor bearing.

Further product details

Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.

Technical data

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
Liquid temperature range: -25 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 1480 rpm

Rated flow: 517 m³/h
Rated head: 21 m
Actual impeller diameter: 285 mm
Code for shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-GJL-250 ASTM class 35

Impeller: Cast iron

EN-GJL-200 ASTM class 30

Installation:



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Range of ambient temperature: -20 .. 55 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

Type of connection: DIN
Size of connection: DN 200
Pressure rating for connection: PN 16
Port-to-port length: 900 mm
Flange size for motor: FF400

Electrical data:

Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 37 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V

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Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 %

Number of poles:

Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F

Motor No: 99032123

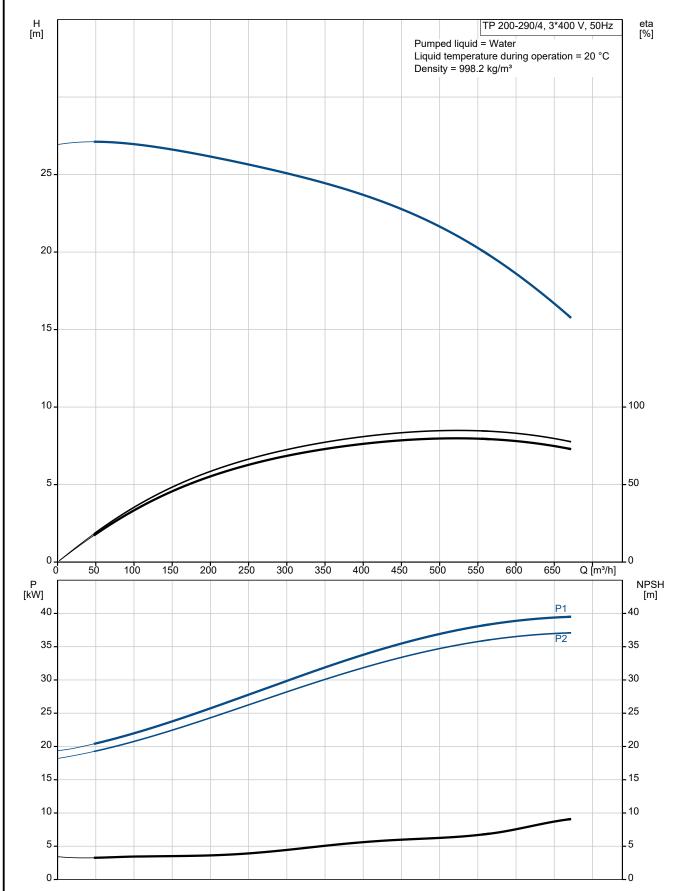
Others:

Minimum efficiency index, MEI ≥: 0.70 Net weight: 588 kg 626 kg Gross weight: Shipping volume: 1.25 m³ Danish VVS No.: 381719290 Finnish LVI No.: 4616173 Country of origin: HU Custom tariff no .: 84137051



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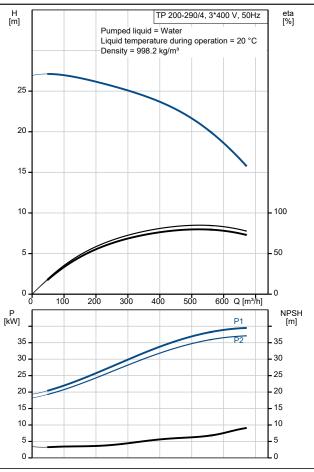
On request TP 200-290/4 A-F-A-BQQE-SX3 50 Hz

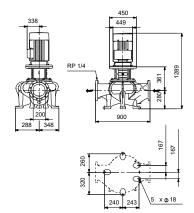


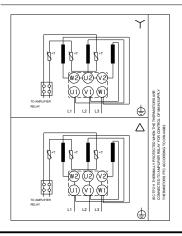


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General information: TP 200-290/4 A-F-A-BQQE-SX3 Product No: On request EAN number: On request Technical: On request Pump speed on which pump data are based: 1480 rpm Rated flow: 517 m³/h Rated head: 21 m Maximum head: 290 dm Actual impeller diameter: 285 mm Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Pump version: A Materials: ISO9906:2012 3B Pump housing: Cast iron Pump housing: Cast iron Pump housing: ASTM class 35 Impeller: Cast iron Impeller: ASTM class 35 Impeller: ASTM class 30 Material code: A Installation: Isoaction: Range of ambient temperature: -20 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Siz	General information: TP 200-290/4		
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Pump version: Materials: Pump housing: Pump ler: Pump of cast iron Pun le bar A	Pump version: Materials: Pump housing: Pumpeller: Pungulier: Pumpulier: Pum	Code for shaft seal:	BQQE
Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Material code: A Installation: AR Range of ambient temperature: -20 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 200 Pressure rating for connection: PN 16 Port-to-port length: 900 mm Flange size for motor: FF400 Connect code: F Liquid: Water Liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: IE3 Rated power - P2: 37 kW Mains	Materials: Pump housing: Cast iron Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Material code: A Installation: Impeller: Range of ambient temperature: -20 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar Max pressure at stated temp: 16 bar Max pressure at stated temp: 10 bar / 120 °C Type of connection: DN 200 Pressure rating for connection: PN 16 Port-to-port length: 900 mm Flange size for motor: FF400 Connect code: F Liquid: Water Pumped liquid: Water Liquid: Water Pumped liquid temperature: -25 120 °C Selected liquid temperature: 20 °C Selected liquid temperature: 30 °C	Curve tolerance:	ISO9906:2012 3B
Pump housing: EN-GJL-250 Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Impeller: Cast iron Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Material code: A Installation: Range of ambient temperature: -20 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 200 Pressure rating for connection: PN 16 Port-to-port length: 900 mm Flange size for motor: FF400 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: F Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Euitrin motor protection: PTC Motor No: 99032123	Pump housing: EN-GJL-250 Pump housing: EN-GJL-250 Pump housing: ASTM class 35 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: EN-GJL-200 Impeller: ASTM class 30 Material code: A Installation: Range of ambient temperature: -20 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of connection: DN 200 Pressure rating for connection: PN 16 Port-to-port length: 900 mm Flange size for motor: FF400 Connect code: F Liquid: Water Liquid temperature range: -25 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Eated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	Pump version:	A
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Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: 66/38.5 A Starting current: Cos phi - power factor: Rated speed: Hated speed: Efficiency at full load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: PTC Motor PSI Mates Motor efficiency at 998.2 kg/m³ SIEMENS IE3 RAW Motor SIEMENS IE3 RAW Motor 460-640 % 66/38.5 A 640-640 %	Liquid temperature range: Selected liquid temperature: Density: 998.2 kg/m³ Electrical data: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Rated voltage: Rated current: 66/38.5 A Starting current: Cos phi - power factor: Rated speed: Efficiency: IE3 Rated speed: Rated speed: I478 rpm Efficiency: IE3 Rated speed: I478 rpm Efficiency: Motor efficiency at 1/2 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: PTC Motor No: 99032123 Controls:	•	
Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:		
Density: 998.2 kg/m³ Electrical data: SIEMENS Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Density: 998.2 kg/m³ Electrical data: SIEMENS Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:		
Electrical data: SIEMENS Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls: PTC		
Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls: 90032123		996.2 kg/m²
IE Efficiency class:	IE Efficiency class:		CIEMENIC
Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	, , , , , , , , , , , , , , , , , , , ,	
Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	-	
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Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Rated current: 66/38.5 A Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:		
Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Starting current: 640-640 % Cos phi - power factor: 0.86 Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	•	
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Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Rated speed: 1478 rpm Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	_	
Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Efficiency: IE3 93,9% Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: PTC Motor No: 99032123 Controls:		****
Motor efficiency at full load: 93.9-93.9 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Motor efficiency at full load: Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: Motor No: 99032123 Controls:	•	
Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	· · · · · · · · · · · · · · · · · · ·	•
Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	_	
Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	_	
Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	-	
Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123	Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 99032123 Controls:	•	IP55
Built-in motor protection: PTC Motor No: 99032123	Built-in motor protection: PTC Motor No: 99032123 Controls:		
Motor No: 99032123	Motor No: 99032123 Controls:	i i	PTC
Control			99032123
Controls:	Frequency converter: NONE	Controls:	
Frequency converter: NONE		Frequency converter:	NONE









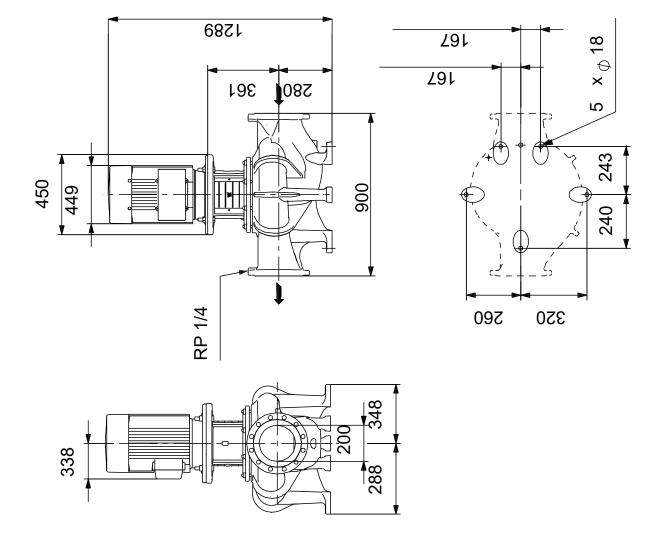
Date: 16/06/2022

Description	Value
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	588 kg
Gross weight:	626 kg
Shipping volume:	1.25 m³
Danish VVS No.:	381719290
Finnish LVI No.:	4616173
Country of origin:	HU
Custom tariff no.:	84137051



16/06/2022 Date:

On request TP 200-290/4 A-F-A-BQQE-SX3 50 Hz

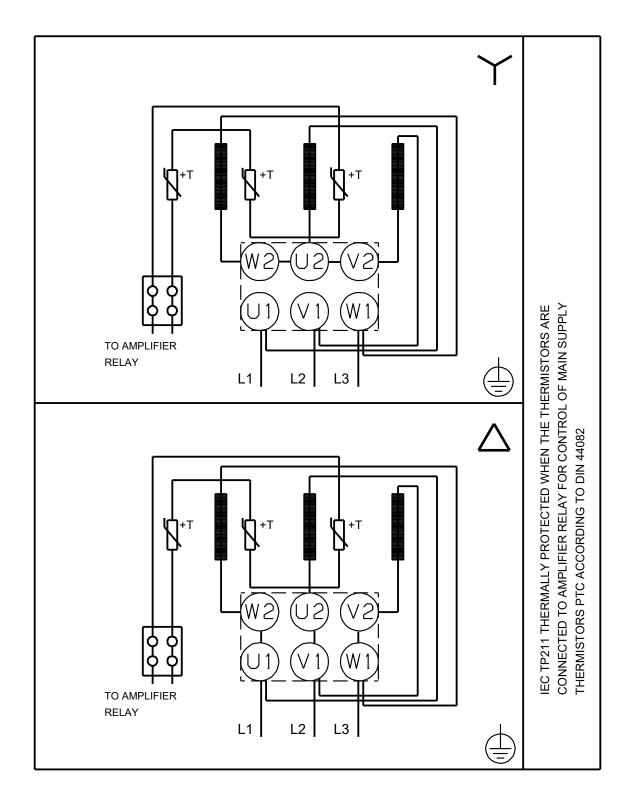


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 16/06/2022

On request TP 200-290/4 A-F-A-BQQE-SX3 50 Hz



Note! All units are in [mm] unless others are stated.



Date: 16/06/2022

Order Data:

Product name: TP 200-290/4

Amount: 1

Product No: On request

Total: Price on request