

Date: 05/10/2018

Position | Qty. | Description

1 TPD 150-200/4 A-F-A-BQQE



Product No.: 96109906

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: Water
Liquid temperature range: -25 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Rated flow: 233 m³/h
Rated head: 15.7 m
Actual impeller diameter: 243 mm
Primary shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-JL1040

ASTM A48-40 B

Impeller: Cast iron

EN-JL1030 ASTM A48-30 B

Installation:

Range of ambient temperature: -30 .. 60 °C Maximum operating pressure: 16 bar Flange standard: DIN Pipe connection: **DN 150** Pump inlet: DN 150 Pump outlet: DN 150 Pressure rating: PN 16 (@):800 mm Flange size for motor: FF300

Electrical data:

Motor type: 160LB
IE Efficiency class: IE3
Rated power - P2: 2 x 15 kW
Power (P2) required by pump: 15 kW
Mains frequency: 50 Hz



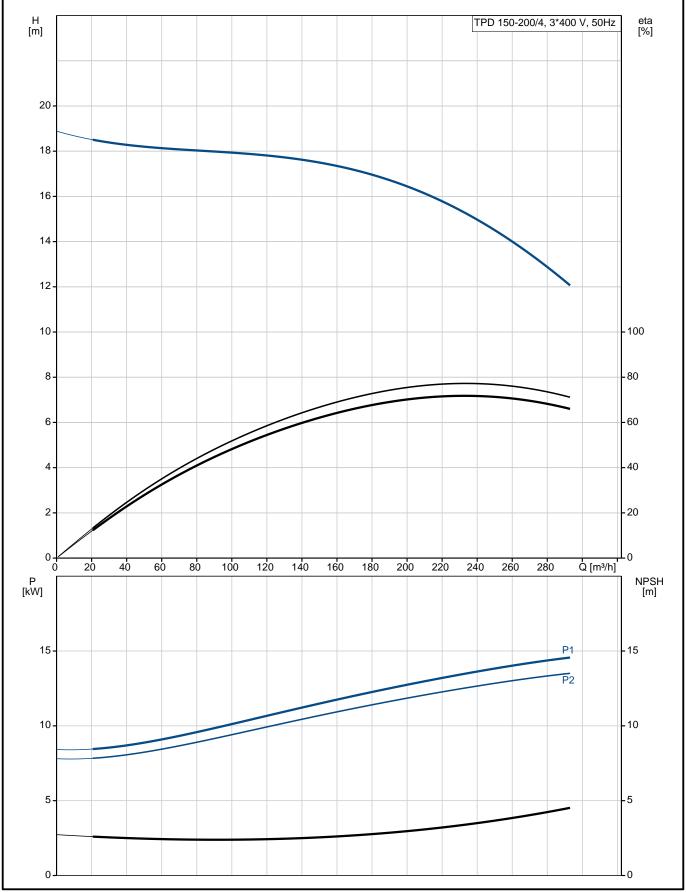
Date: 05/10/2018

			Date:	05/10/2018
Position	Qty.	Description		
	,		2 v 200 445D/660 600V V	
		Rated voltage:	3 x 380-415D/660-690Y V	
		Rated current:	29,0-28,0/16,8-16,4 A	
		Starting current:	760-870 %	
		Cos phi - power factor:	0.86-0.82	
		Rated speed:	1460-1470 rpm	
		Efficiency:	IE3 92,1%	
		Motor efficiency at full load:	92.1 %	
		Motor efficiency at 3/4 load:	92.3 %	
		Motor efficiency at 1/2 load:	92.1 %	
		Number of poles:	4	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others:		
		Minimum efficiency index, MEI		
		ErP status:	EuP Standalone/Prod.	
		Net weight:	744 kg	
		Gross weight:	852 kg	
		Shipping volume:	1.52 m³	
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Date: 05/10/2018

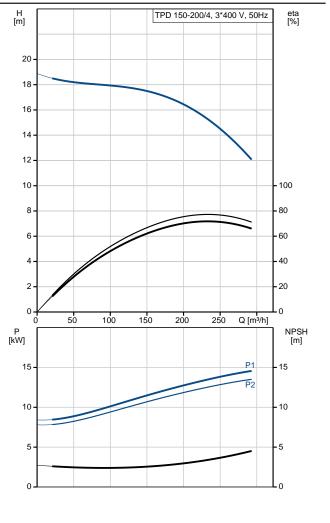
96109906 TPD 150-200/4 A-F-A-BQQE 50 Hz





Date: 05/10/2018

Description	Value
General information:	
Product name:	TPD 150-200/4 A-F-A-BQQ
Product No:	96109906
EAN number:	5700396988917
Technical:	
Rated flow:	233 m³/h
Rated head:	15.7 m
Head max:	200 dm
Actual impeller diameter:	243 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	Α
Model:	A
Materials:	
Pump housing:	Cast iron
Fullip flousing.	EN-JL1040
Impollor	ASTM A48-40 B
Impeller:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Material code:	A
Installation:	
Range of ambient temperature:	-30 60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Pipe connection:	DN 150
Pump inlet:	DN 150
Pump outlet:	DN 150
Pressure rating:	PN 16
(@)	800 mm
Flange size for motor:	FF300
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:	<u> </u>
Motor type:	160LB
IE Efficiency class:	IE3
Rated power - P2:	2 x 15 kW
Power (P2) required by pump:	15 kW
Mains frequency:	50 Hz
Rated voltage:	
o	3 x 380-415D/660-690Y V
Rated current:	29,0-28,0/16,8-16,4 A
Starting current:	760-870 %
Cos phi - power factor:	0.86-0.82
Rated speed:	1460-1470 rpm
Efficiency:	IE3 92,1%
Motor efficiency at full load:	92.1 %
Motor efficiency at 3/4 load:	92.3 %
Motor efficiency at 1/2 load:	92.1 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
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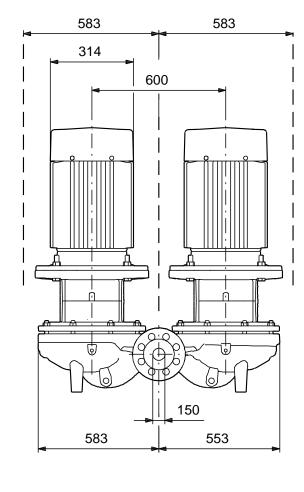
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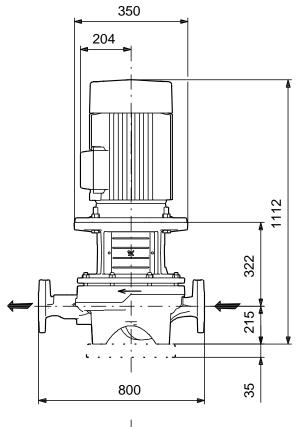
Description	Value
Others:	
Minimum efficiency index, MEI :	0.65
ErP status:	EuP Standalone/Prod.
Net weight:	744 kg
Gross weight:	852 kg
Shipping volume:	1.52 m³

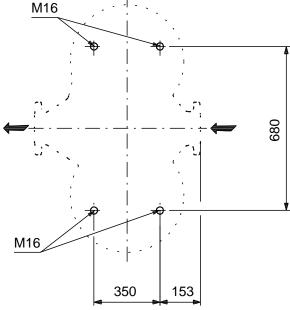


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96109906 TPD 150-200/4 A-F-A-BQQE 50 Hz







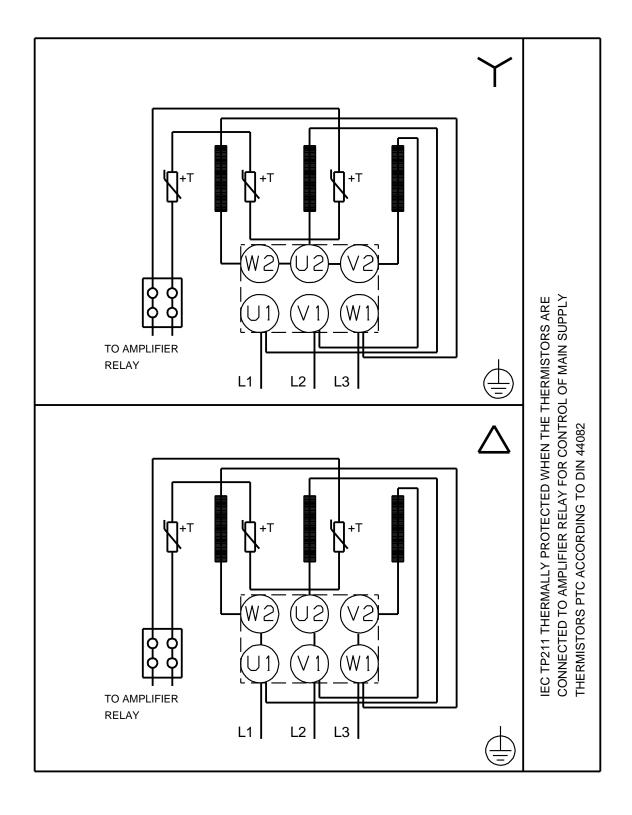
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

05/10/2018

96109906 TPD 150-200/4 A-F-A-BQQE 50 Hz



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