

**Qty. Description**

1 TPD 50-140/4 A-F-A-BQQE-HW3



Note! Product picture may differ from actual product

Product No.: [98742918](#)

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 identical size.

**Controls:**

Frequency converter: None

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: -25 .. 120 °C  
 Selected liquid temperature: 20 °C  
 Density: 998.2 kg/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 1462 rpm  
 Rated flow: 20.69 m<sup>3</sup>/h  
 Rated head: 11.57 m  
 Actual impeller diameter: 214 mm  
 Primary shaft seal: BQQE  
 Code for shaft seal: BQQE  
 Curve tolerance: ISO9906:2012 3B2

**Materials:**

Pump housing: Cast iron  
 EN-GJL-250  
 ASTM class 35  
 Impeller: Cast iron  
 EN-GJL-200  
 ASTM class 30

**Installation:**

Range of ambient temperature: -20 .. 55 °C  
 Maximum operating pressure: 16 bar  
 Max pressure at stated temp: 16 bar / 120 °C  
 Pipe connection standard: EN 1092-2  
 Type of connection: DIN  
 Size of connection: DN 50  
 Pressure rating for connection: PN 16  
 Port-to-port length: 440 mm  
 Flange size for motor: FF165

Qty.	Description
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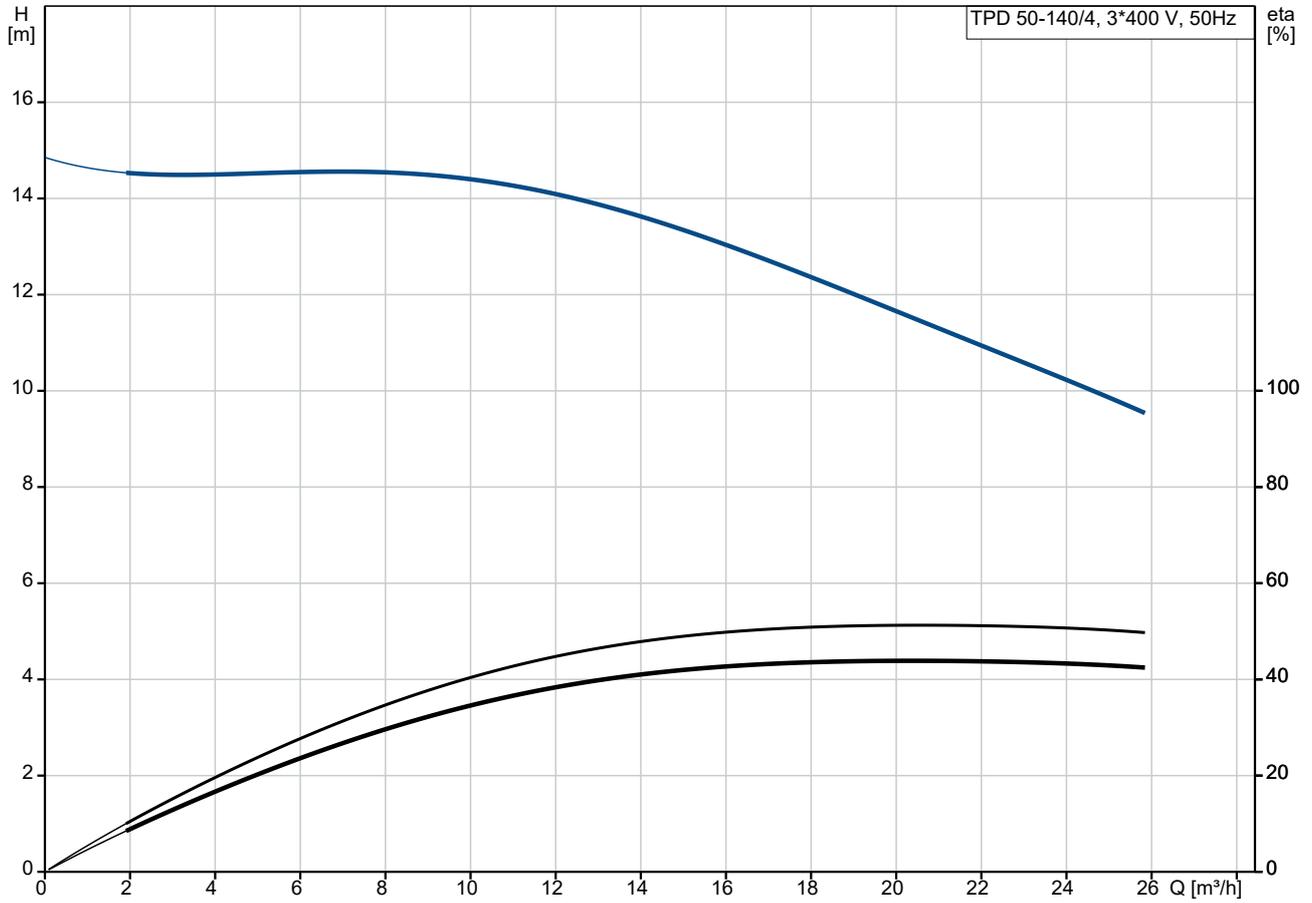
1	Electrical data:
	Motor type: INNOMOTICS
	Rated power - P2: 1.5 kW
	Mains frequency: 50 Hz
	Rated voltage: 3 x 220-240D/380-420Y V
	Rated current: 5.5/3.15 A
	Starting current: 730 %
	Cos phi - power factor: 0.8
	Rated speed: 1445 rpm
	IE efficiency: IE3 85,3%
	IE Efficiency class: IE3
	Motor efficiency at full load: 85.3 %
	Motor efficiency at 3/4 load: 86 %
	Motor efficiency at 1/2 load: 85.2 %
	Number of poles: 4
	Enclosure class (IEC 34-5): IP55
	Insulation class (IEC 85): F
	Motor No: 83V02206
	Others:
	Minimum efficiency index, MEI $\geq$ : 0.70
	Net weight: 133 kg
	Gross weight: 156 kg
	Shipping volume: 0.683 m <sup>3</sup>



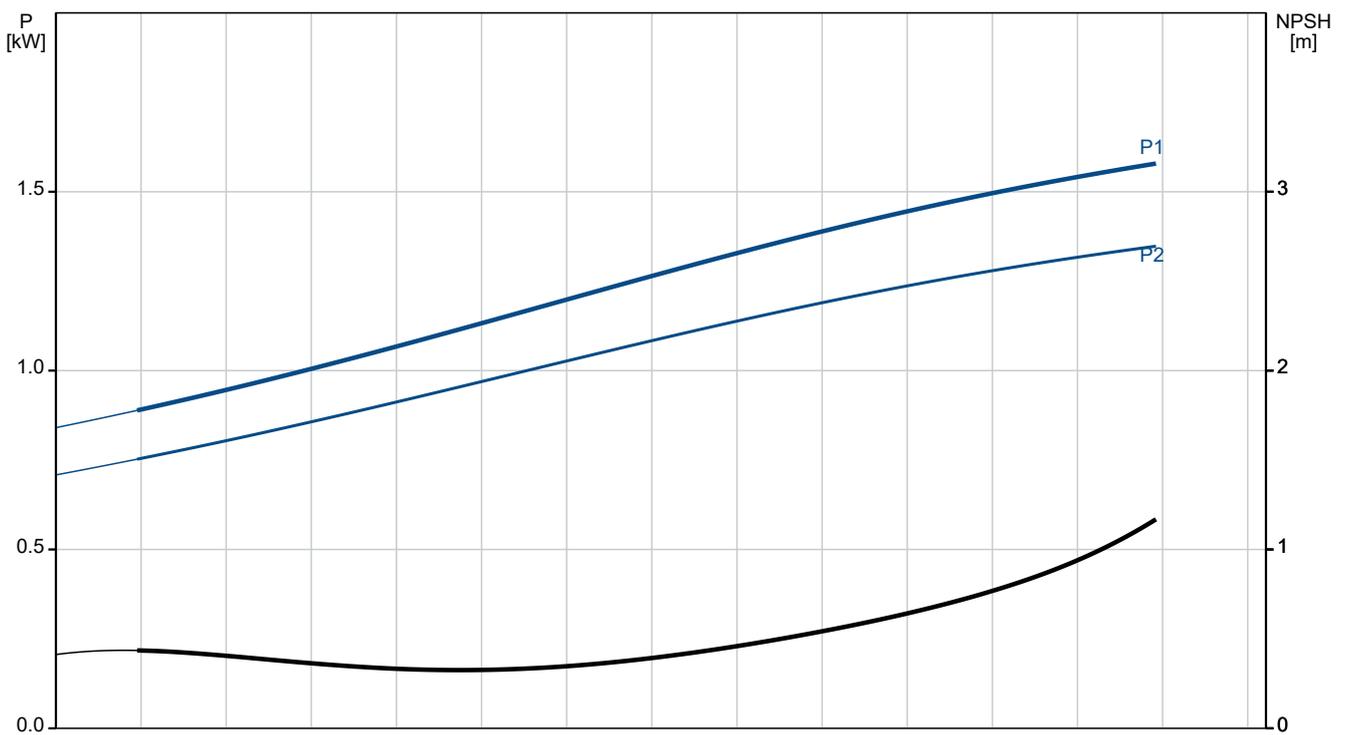
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Created by:  
Phone:

Date: 30/09/2025

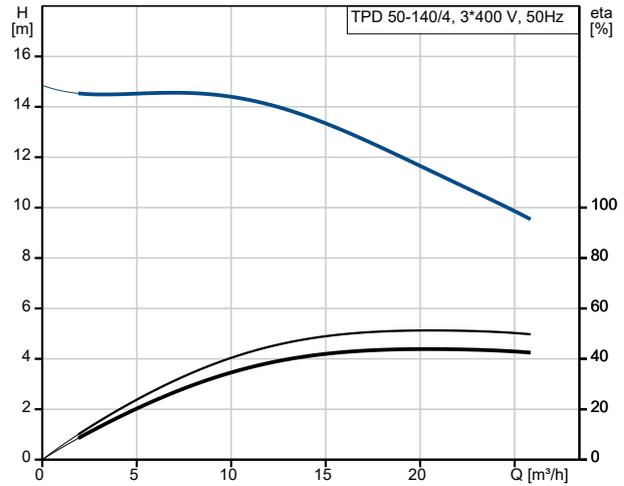
### 98742918 TPD 50-140/4 A-F-A-BQQE-HW3 50 Hz



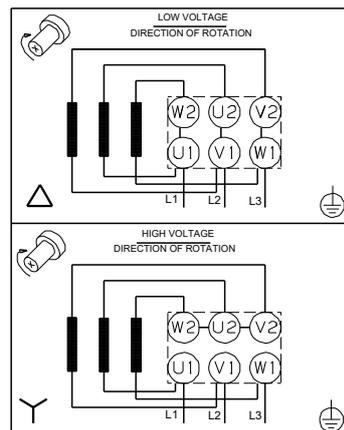
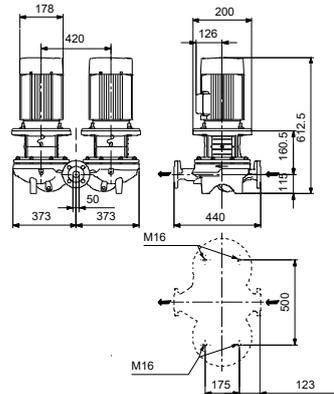
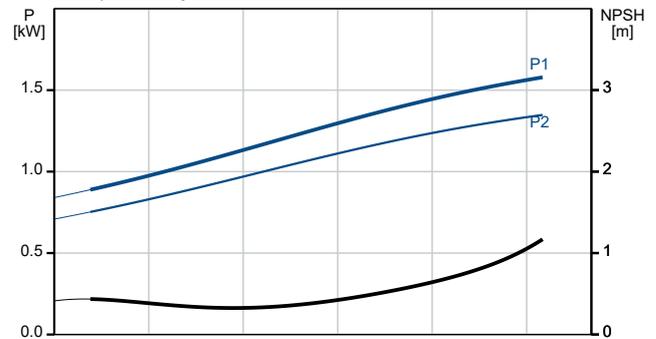
Pumped liquid = Water  
Liquid temperature during operation = 20 °C  
Density = 998.2 kg/m³



Description	Value
<b>General information:</b>	
Product name:	TPD 50-140/4 A-F-A-BQQE-HW3
Product No:	98742918
EAN number:	5712600816299
<b>Technical:</b>	
Pump speed on which pump data are based:	1462 rpm
Rated flow:	20.69 m <sup>3</sup> /h
Rated head:	11.57 m
Maximum head:	140 dm
Actual impeller diameter:	214 mm
Primary shaft seal:	BQQE
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A
<b>Materials:</b>	
Pump housing:	Cast iron EN-GJL-250 ASTM class 35
Impeller:	Cast iron EN-GJL-200 ASTM class 30
Material code:	A
<b>Installation:</b>	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Pipe connection standard:	EN 1092-2
Type of connection:	DIN
Size of connection:	DN 50
Pressure rating for connection:	PN 16
Port-to-port length:	440 mm
Flange size for motor:	FF165
Connect code:	F
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor type:	INNOMOTICS
Rated power - P2:	1.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-420Y V
Rated current:	5.5/3.15 A
Starting current:	730 %
Cos phi - power factor:	0.8
Rated speed:	1445 rpm
IE efficiency:	IE3 85,3%
IE Efficiency class:	IE3
Motor efficiency at full load:	85.3 %
Motor efficiency at 3/4 load:	86 %
Motor efficiency at 1/2 load:	85.2 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	NONE



Pumped liquid = Water  
Liquid temperature during operation = 20 °C  
Density = 998.2 kg/m<sup>3</sup>





Company name:

Created by:

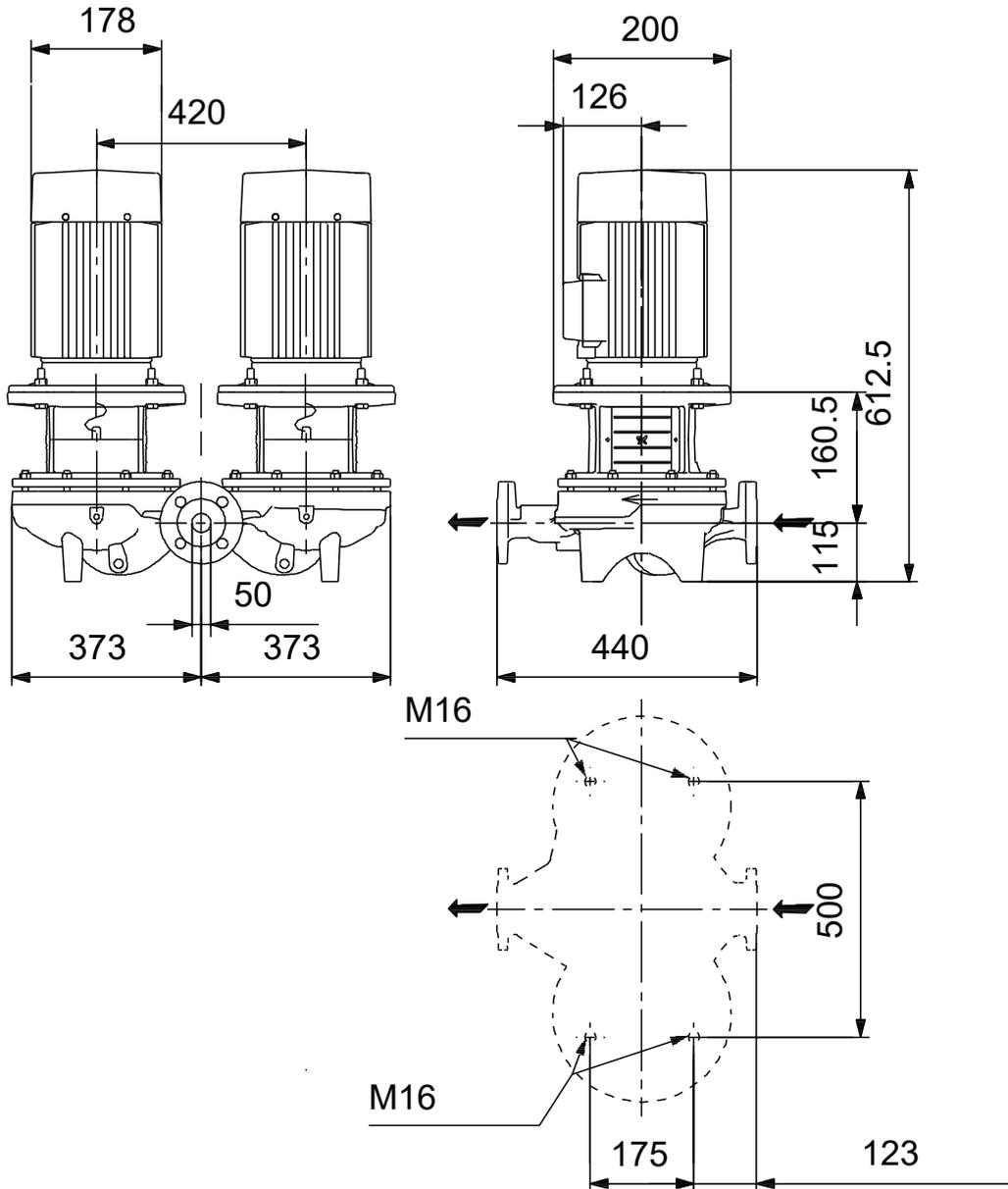
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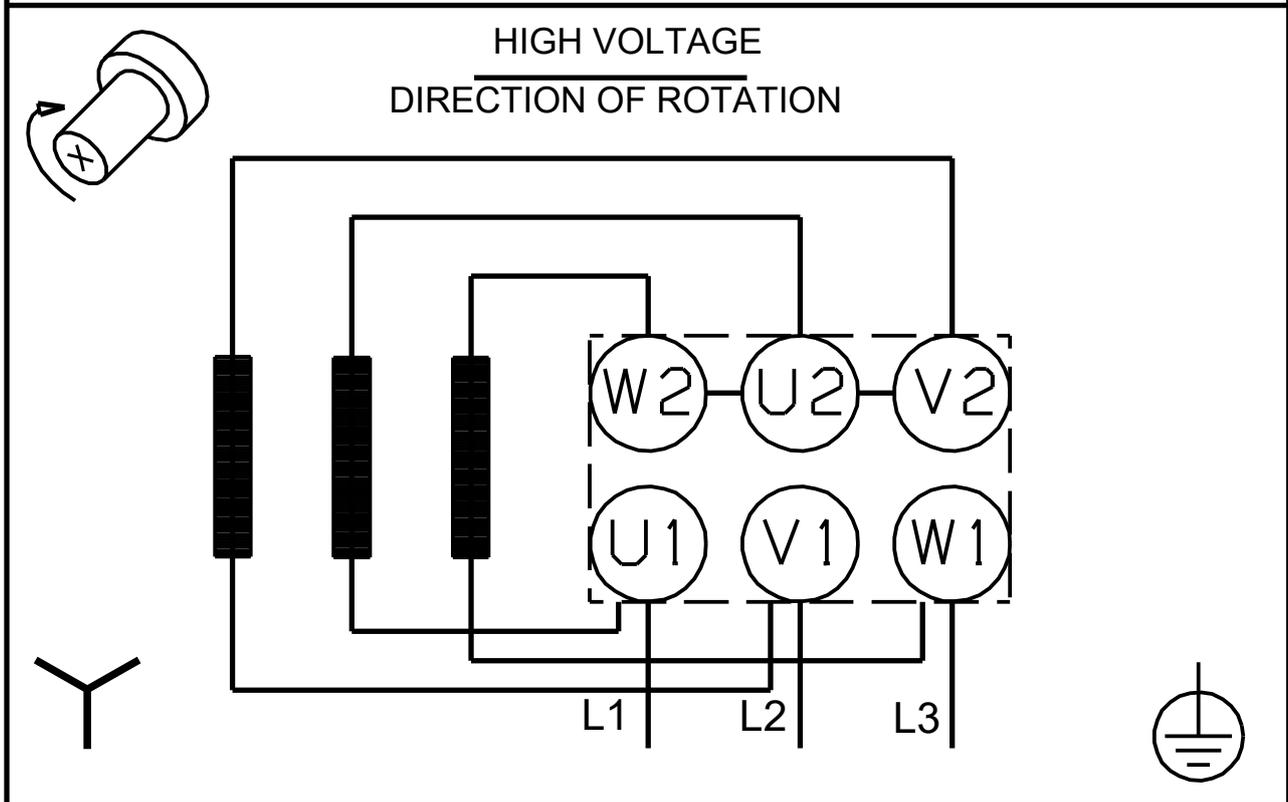
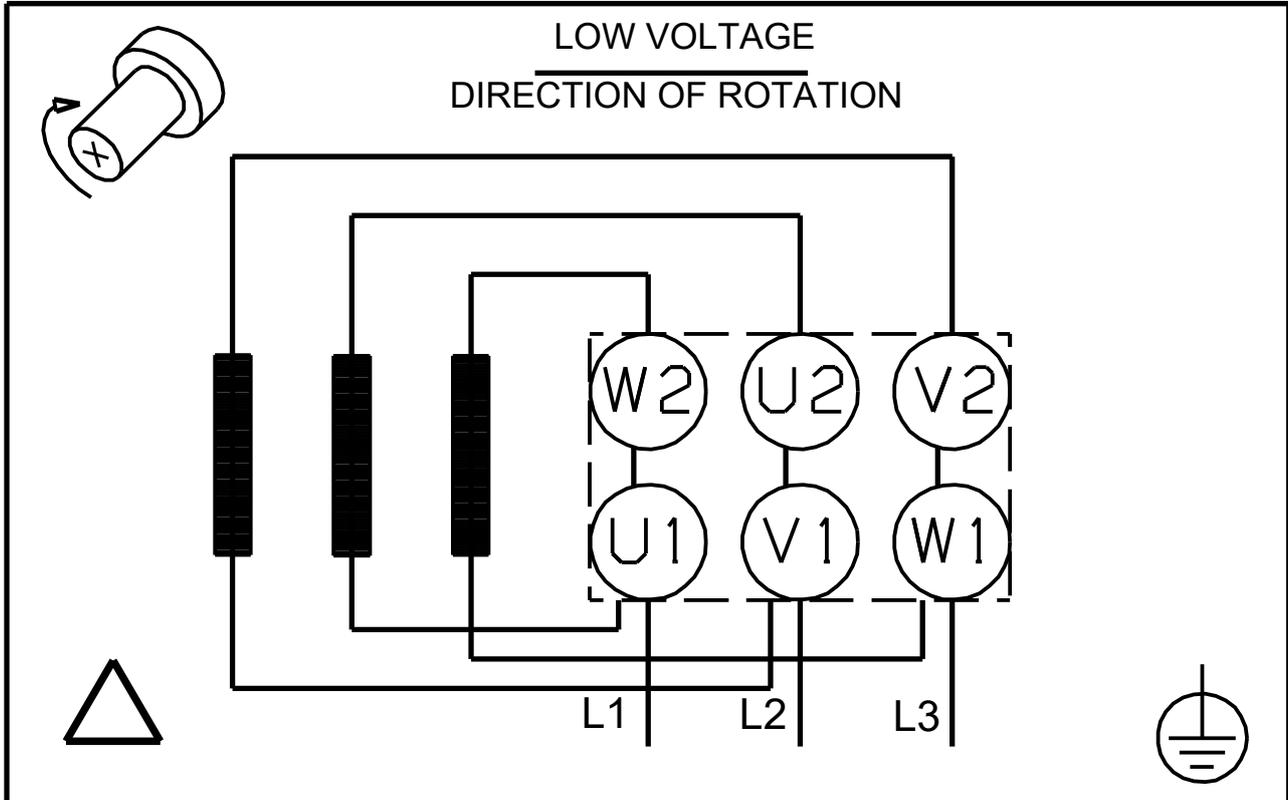
Description	Value
Motor No:	83V02206
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
Minimum efficiency index, MEI $\geq$ :	0.70
Net weight:	133 kg
Gross weight:	156 kg
Shipping volume:	0.683 m <sup>3</sup>

**98742918 TPD 50-140/4 A-F-A-BQQE-HW3 50 Hz**



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

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