

Qty. Description

1 TPD 80-90/4 A-F-A-BQQE-HW3



Note! Product picture may differ from actual product

Product No.: [96108658](#)

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/m³

Technical:

Pump speed on which pump data are based: 1460 rpm
 Rated flow: 44.58 m³/h
 Rated head: 7.25 m
 Actual impeller diameter: 164 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

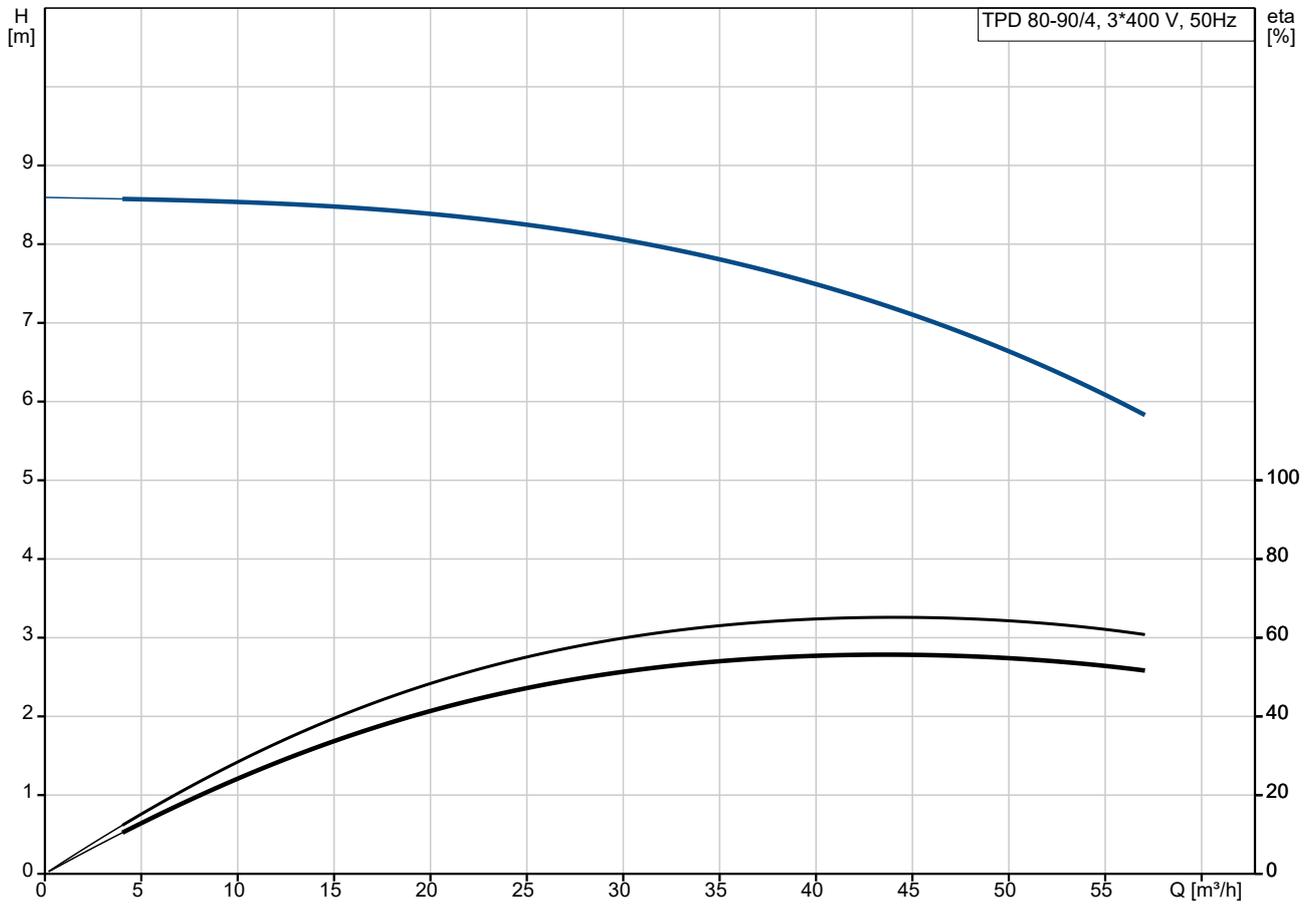
Installation:

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 80
 Pressure rating for connection: PN 16
 Port-to-port length: 440 mm
 Flange size for motor: FF165

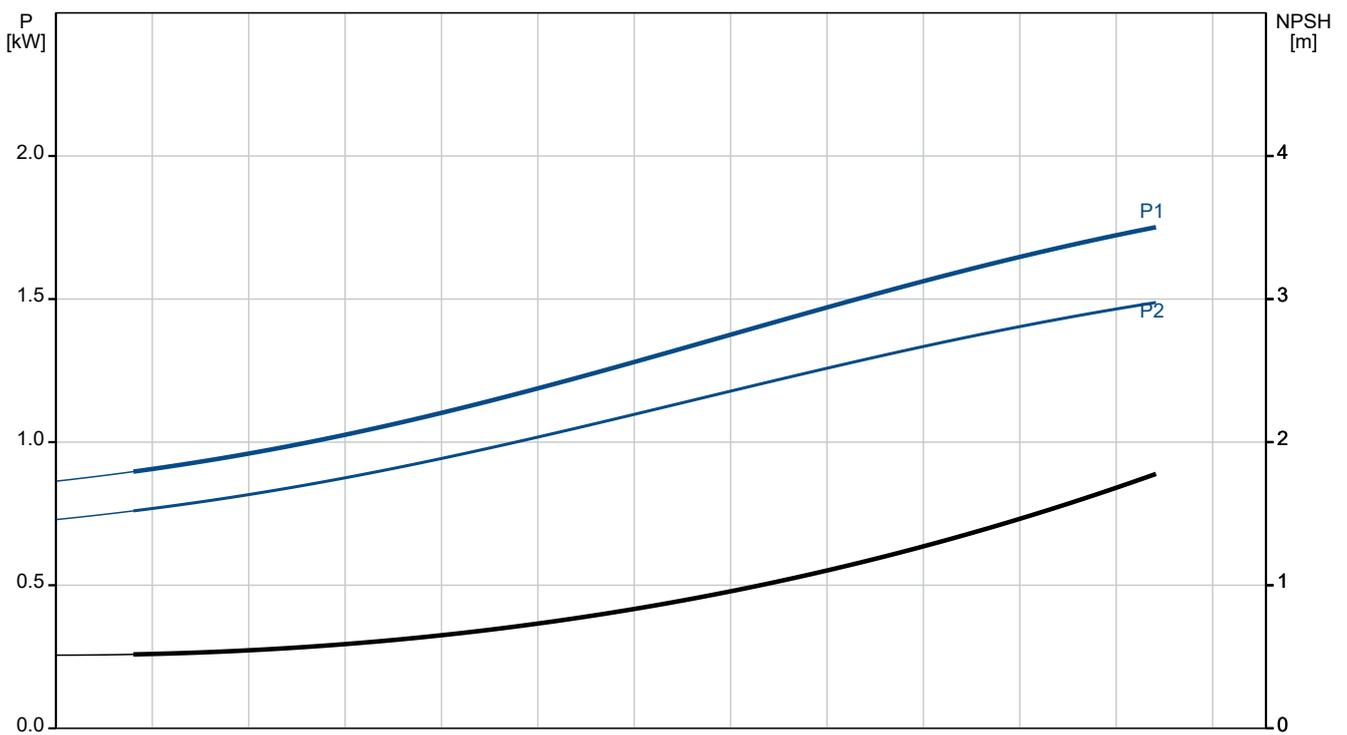
Qty.	Description
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1	Electrical data:
	Motor type: INNOMOTICS
	Rated power - P2: 1.5 kW
	Mains frequency: 50 Hz
	Rated voltage: 3 x 220-240D/380-420Y V
	Rated current: 5.5/3.15 A
	Starting current: 730 %
	Cos phi - power factor: 0.8
	Rated speed: 1445 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 : 0.68
	Net weight: 134 kg
	Gross weight: 158 kg
	Shipping volume: 0.683 m ³

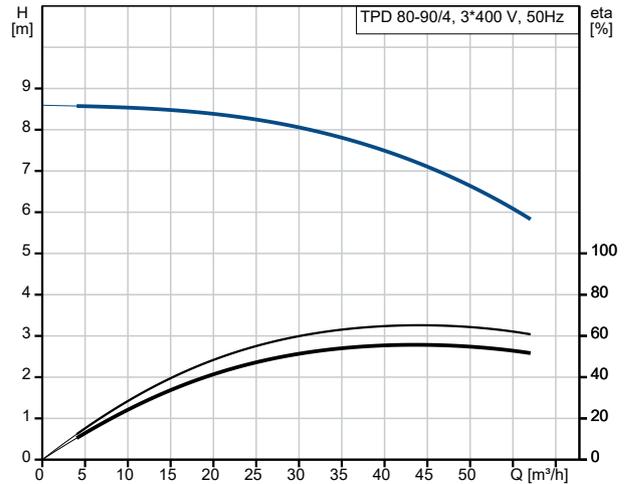
96108658 TPD 80-90/4 A-F-A-BQQE-HW3 50 Hz



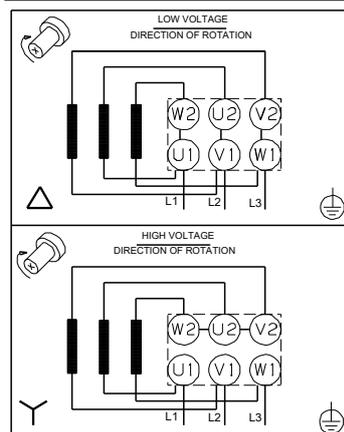
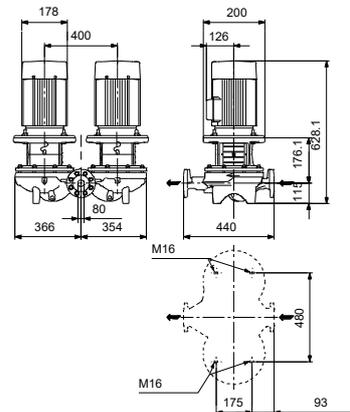
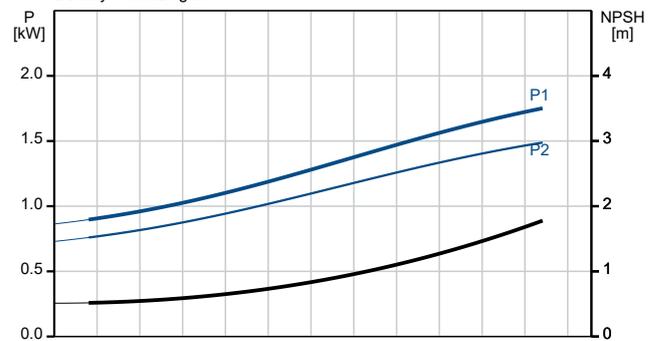
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
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EAN number:	5700396976143
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Rated head:	7.25 m
Maximum head:	90 dm
Actual impeller diameter:	164 mm
Primary shaft seal:	BQQE
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B2
Pump version:	A
Materials:	
Pump housing:	Cast iron EN-GJL-250 ASTM class 35
Impeller:	Cast iron EN-GJL-200 ASTM class 30
Material code:	A
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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
Pipe connection standard:	EN 1092-2
Type of connection:	DIN
Size of connection:	DN 80
Pressure rating for connection:	PN 16
Port-to-port length:	440 mm
Flange size for motor:	FF165
Connect code:	F
Liquid:	
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Density:	998.2 kg/m ³
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Rated current:	5.5/3.15 A
Starting current:	730 %
Cos phi - power factor:	0.8
Rated speed:	1445 rpm
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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
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Company name:

Created by:

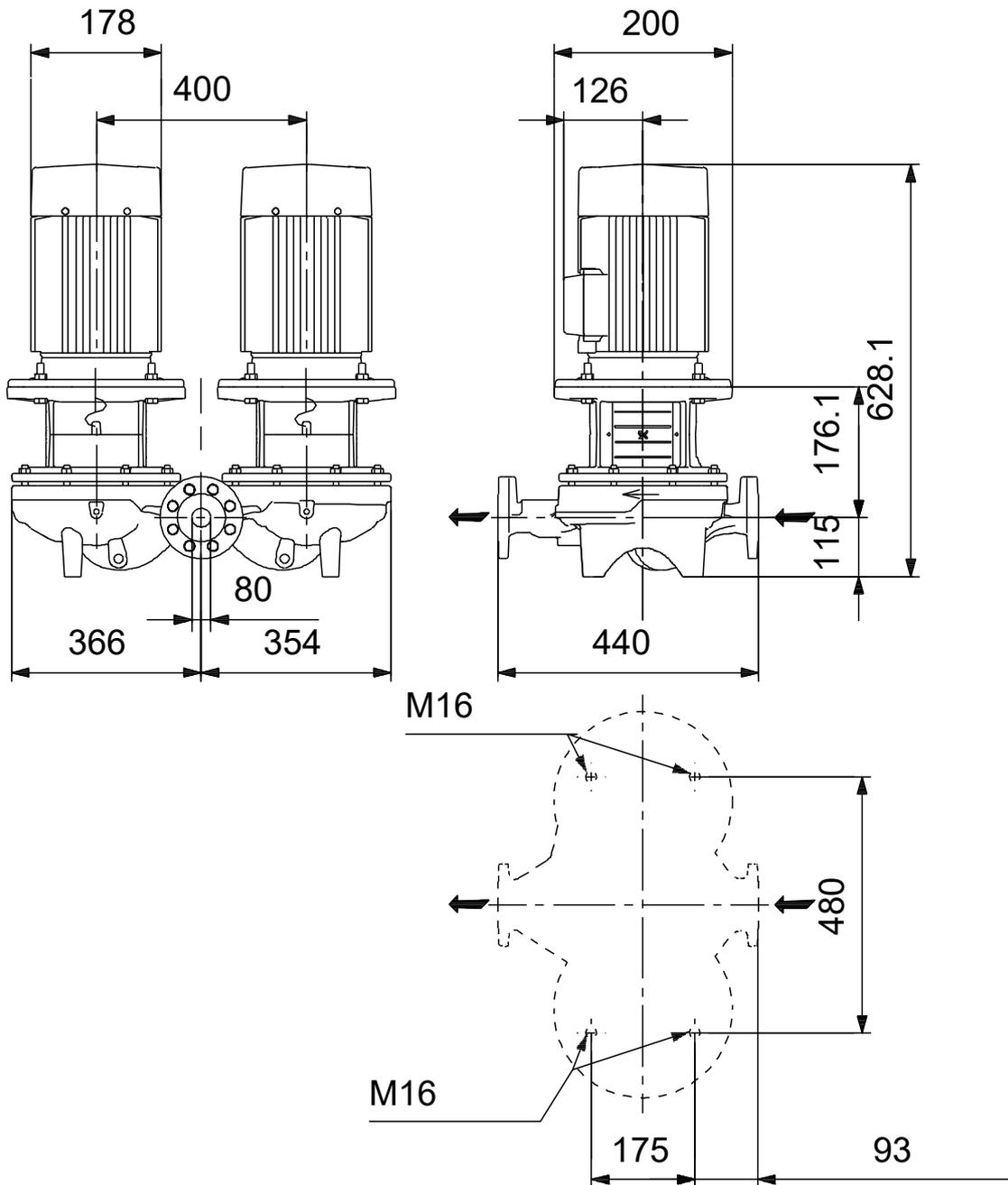
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Date:

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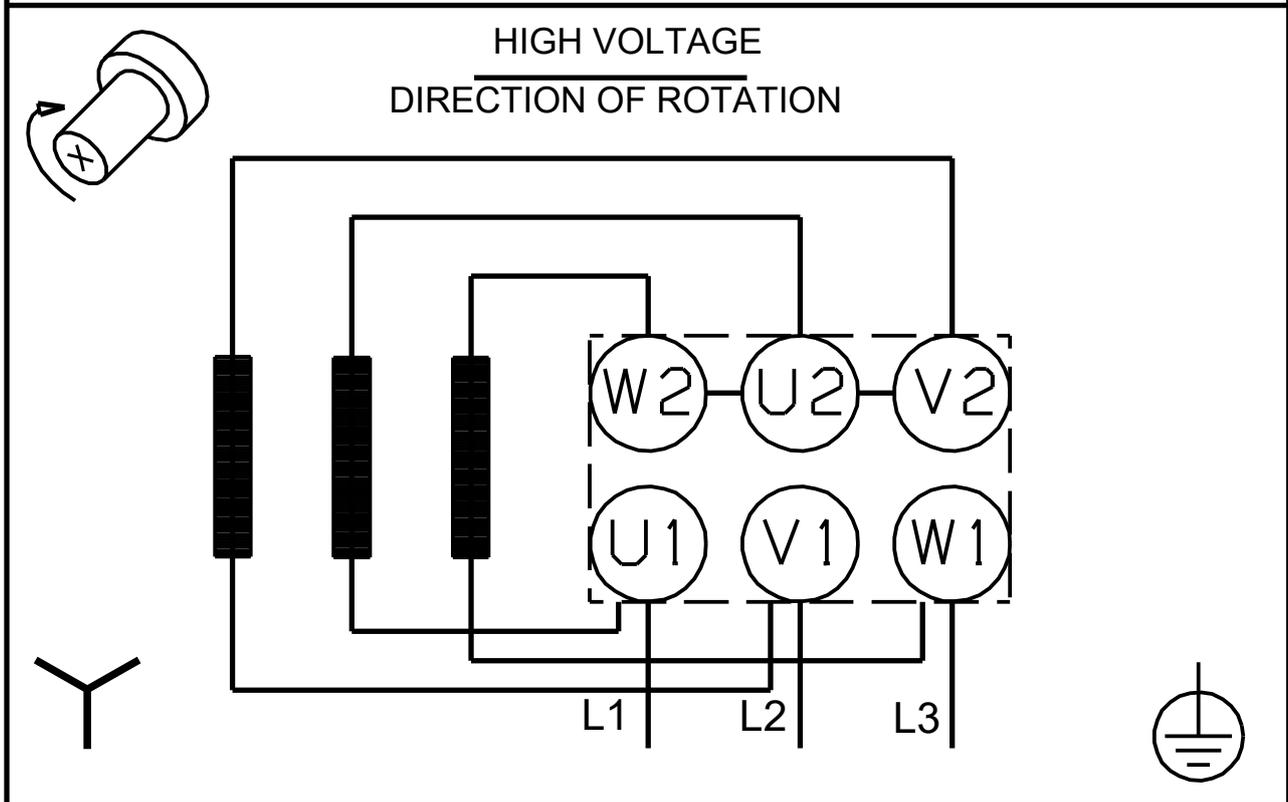
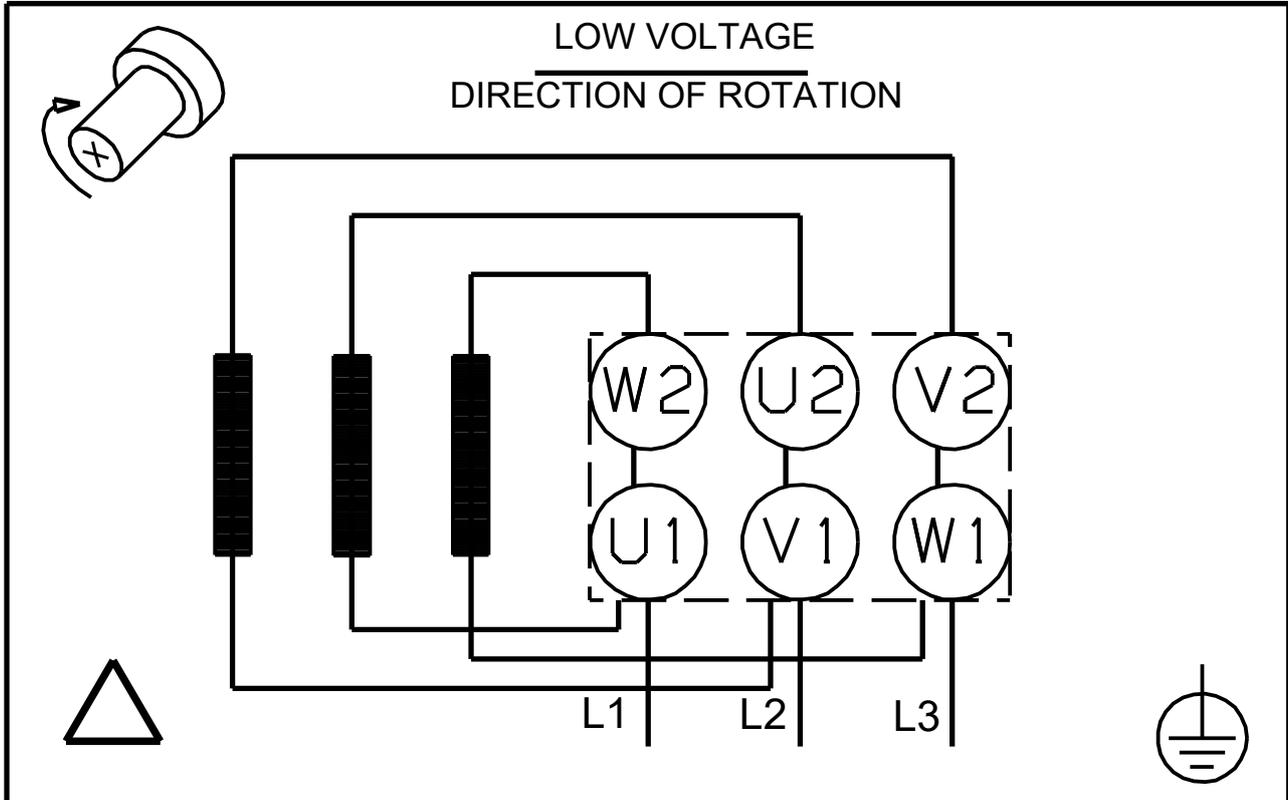
Description	Value
Motor No:	83V02206
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Others:	
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Net weight:	134 kg
Gross weight:	158 kg
Shipping volume:	0.683 m ³

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

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