

**Qty. Description**

1 CR 5-24 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: [96513390](#)

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via combined DIN-ANSI-JIS flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

**Liquid:**

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

**Technical:**

Pump speed on which pump data are based: 2917 rpm  
 Rated flow: 5.8 m<sup>3</sup>/h  
 Rated head: 125.5 m  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQQE  
 Approvals: CE,EAC,UKCA,SEPRO  
 Approvals for drinking water: WRAS,ACS  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

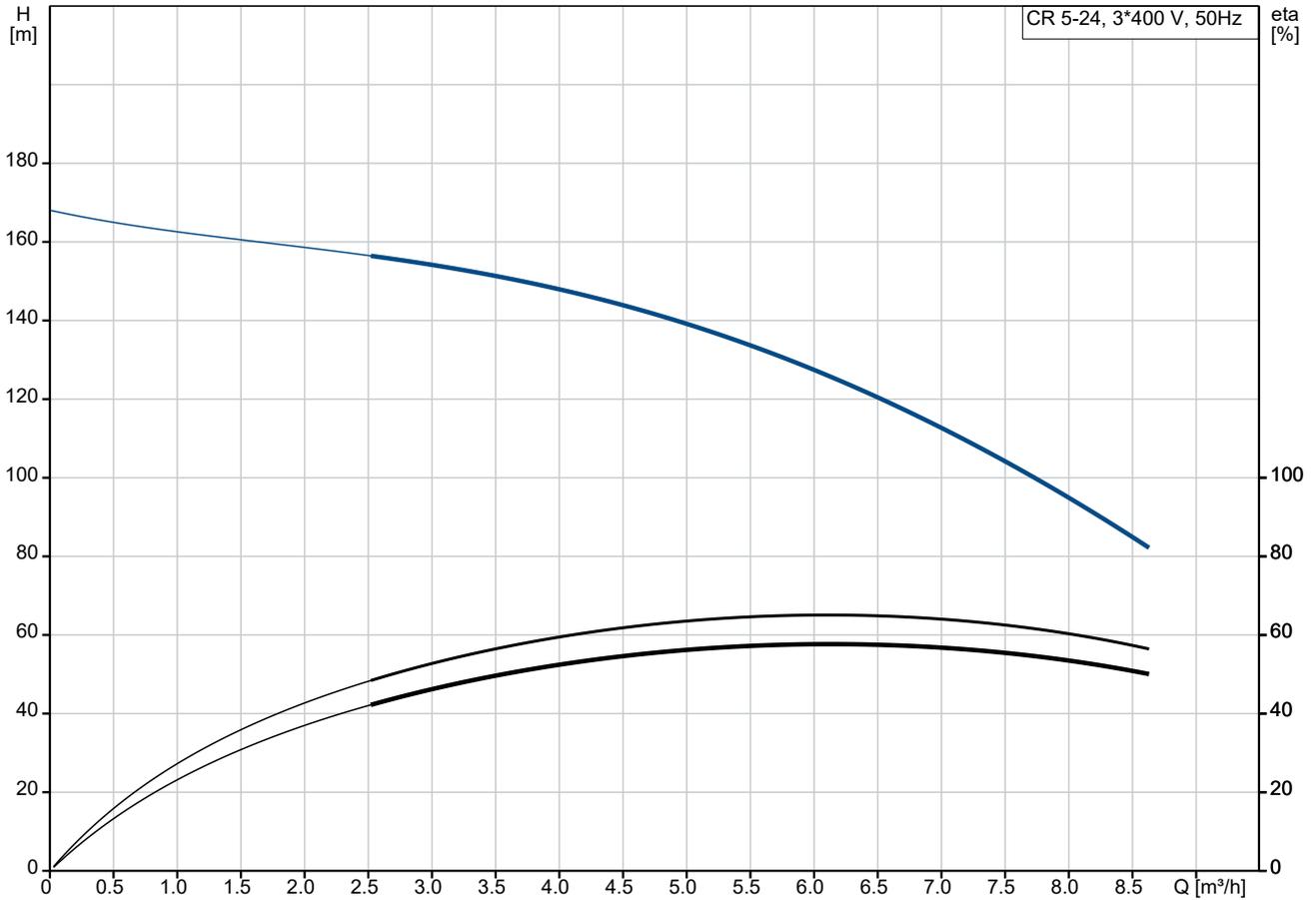
Base: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304  
 Bearing: SIC

**Installation:**

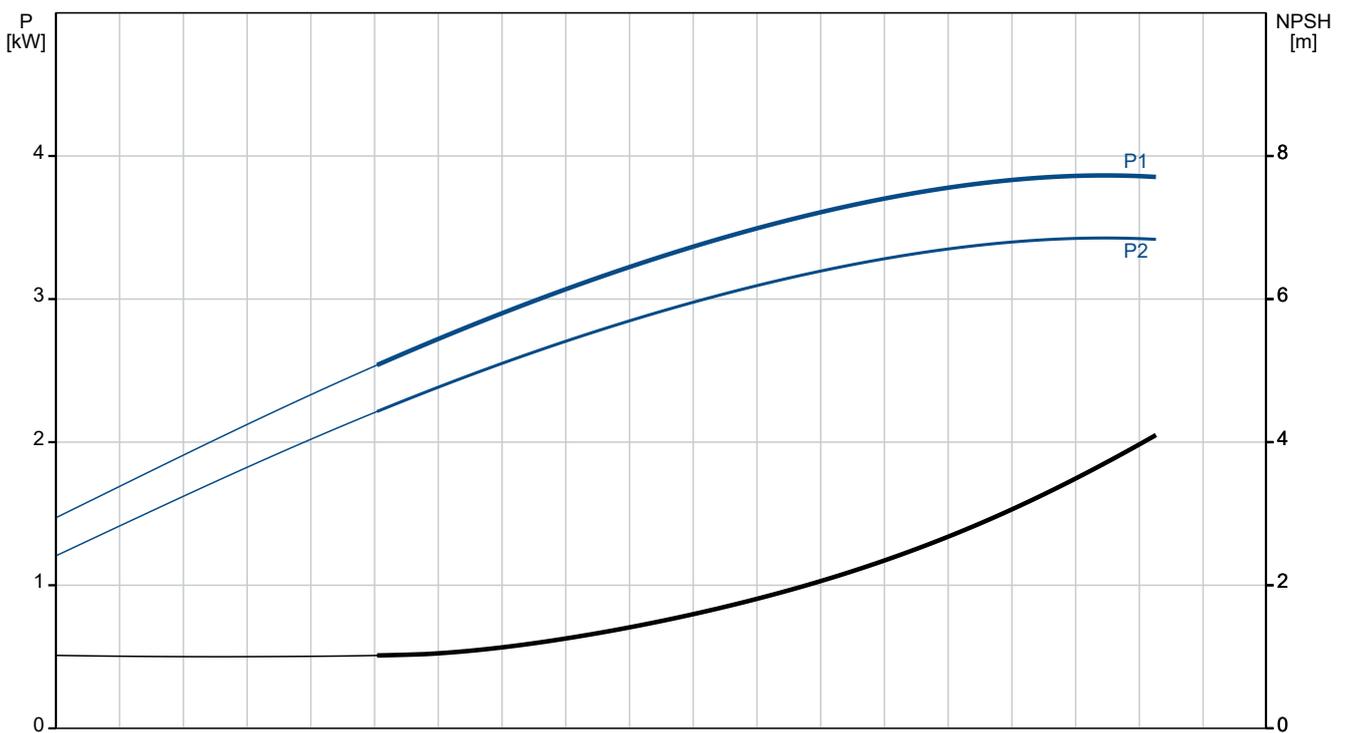
Maximum ambient temperature: 60 °C  
 Maximum operating pressure: 25 bar  
 Max pressure at stated temp: 25 bar / 120 °C  
 25 bar / -20 °C  
 Type of connection: DIN / ANSI / JIS  
 Size of inlet connection: DN 25/32  
 Size of outlet connection: DN 25/32  
 Pressure rating for connection: PN 25  
 Flange rating inlet: 250 lb  
 Flange size for motor: FT130

Qty.	Description
1	<p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: 112MC</p> <p>Rated power - P2: 4 kW</p> <p>Power (P2) required by pump: 4 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D V</p> <p>Rated current: 7.9 A</p> <p>Starting current: 1000-1110 %</p> <p>Cos phi - power factor: 0.87</p> <p>Rated speed: 2920-2940 rpm</p> <p>IE Efficiency class: IE3</p> <p>Motor efficiency at full load: 88.1 %</p> <p>Motor efficiency at 3/4 load: 88.6-88.2 %</p> <p>Motor efficiency at 1/2 load: 85.2-88.1 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 85U15413</p> <p>Controls:</p> <p>Frequency converter: None</p> <p>Others:</p> <p>Terminal box position: 6</p> <p>Minimum efficiency index, MEI ≥: 0.57</p> <p>Net weight: 67.4 kg</p> <p>Gross weight: 72.1 kg</p> <p>Shipping volume: 0.148 m<sup>3</sup></p> <p>Danish VVS No.: 385902024</p> <p>Swedish RSK No.: 5824863</p> <p>Finnish LVI No.: 4925410</p> <p>Country of origin: HU</p> <p>Custom tariff no.: 84137075</p>

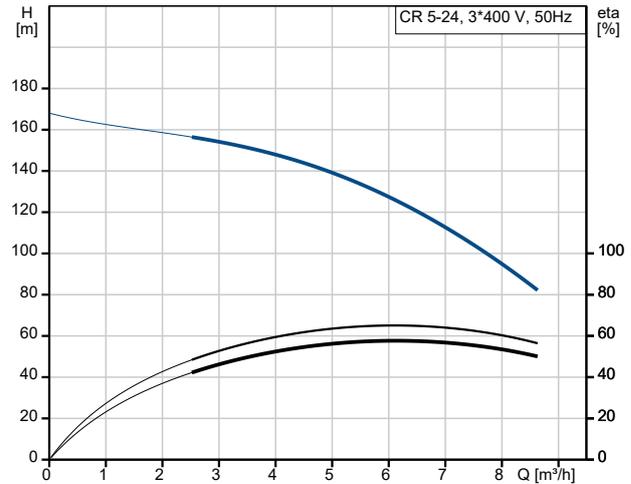
## 96513390 CR 5-24 A-FGJ-A-E-HQQE 50 Hz



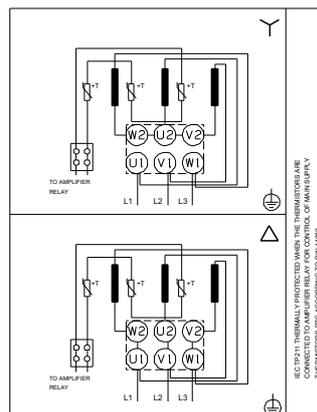
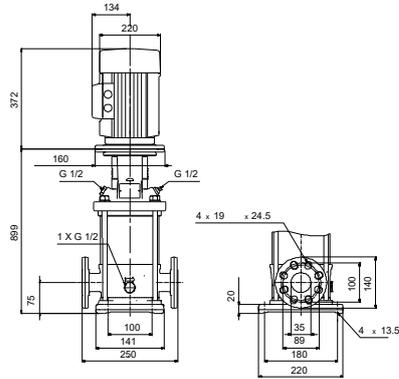
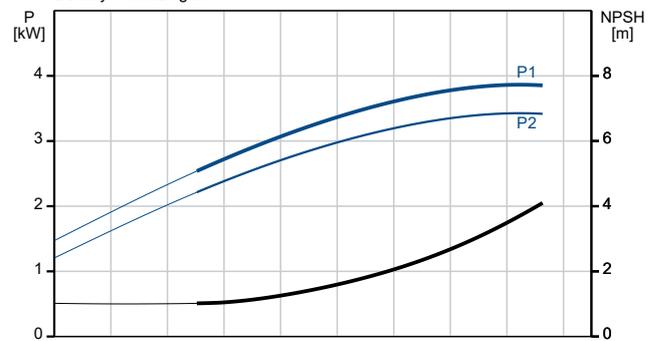
Pumped liquid = Water  
 Liquid temperature during operation = 20 °C  
 Density = 998.2 kg/m³



Description	Value
<b>General information:</b>	
Product name:	CR 5-24 A-FGJ-A-E-HQQE
Product No:	96513390
EAN number:	5700396639420
<b>Technical:</b>	
Pump speed on which pump data are based:	2917 rpm
Rated flow:	5.8 m <sup>3</sup> /h
Rated head:	125.5 m
Maximum head:	163.9 m
Stages:	24
Impellers:	24
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals:	CE,EAC,UKCA,SEPRO
Approvals for drinking water:	WRAS,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Base:	Cast iron
Base:	EN 1561 EN-GJL-200
Base:	ASTM A48-25B
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
<b>Installation:</b>	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 120 °C
Max pressure at stated temp:	25 bar / -20 °C
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 25/32
Size of outlet connection:	DN 25/32
Pressure rating for connection:	PN 25
Flange rating inlet:	250 lb
Flange size for motor:	FT130
Connect code:	FGJ
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	112MC
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D V
Rated current:	7.9 A



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





Company name:

Created by:

Phone:

Date:

23/10/2024

Description	Value
Starting current:	1000-1110 %
Cos phi - power factor:	0.87
Rated speed:	2920-2940 rpm
IE Efficiency class:	IE3
Motor efficiency at full load:	88.1 %
Motor efficiency at 3/4 load:	88.6-88.2 %
Motor efficiency at 1/2 load:	85.2-88.1 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U15413
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI ≥:	0.57
Net weight:	67.4 kg
Gross weight:	72.1 kg
Shipping volume:	0.148 m <sup>3</sup>
Danish VVS No.:	385902024
Swedish RSK No.:	5824863
Finnish LVI No.:	4925410
Country of origin:	HU
Custom tariff no.:	84137075



Company name:

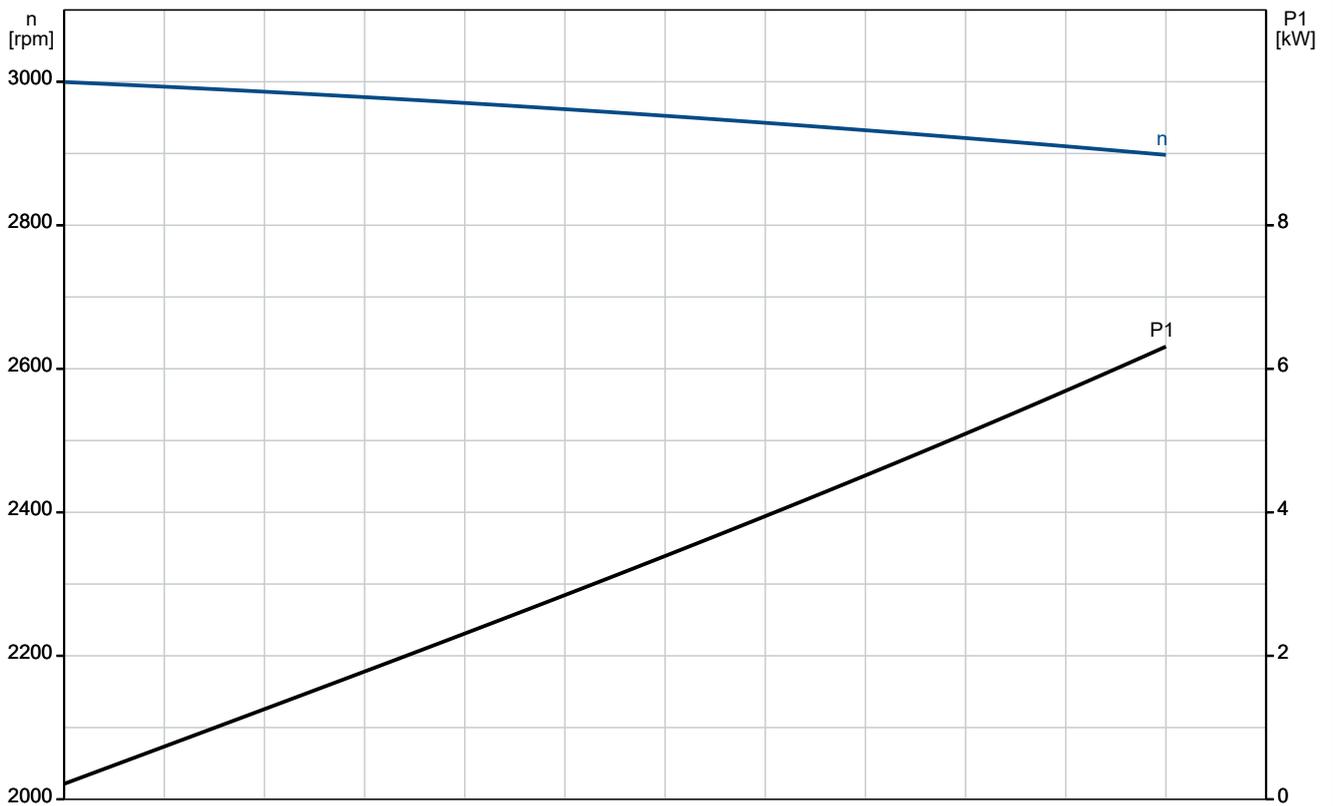
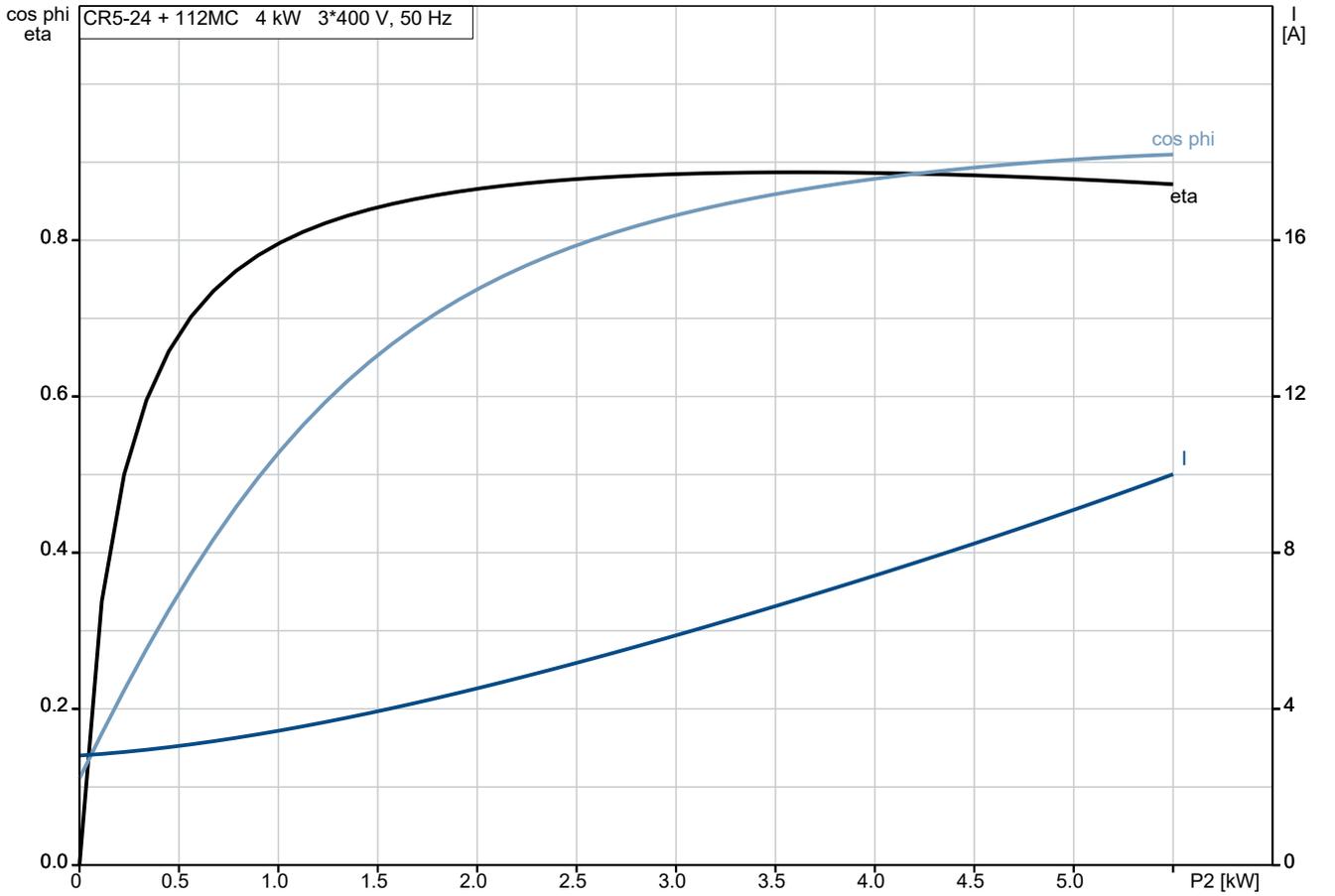
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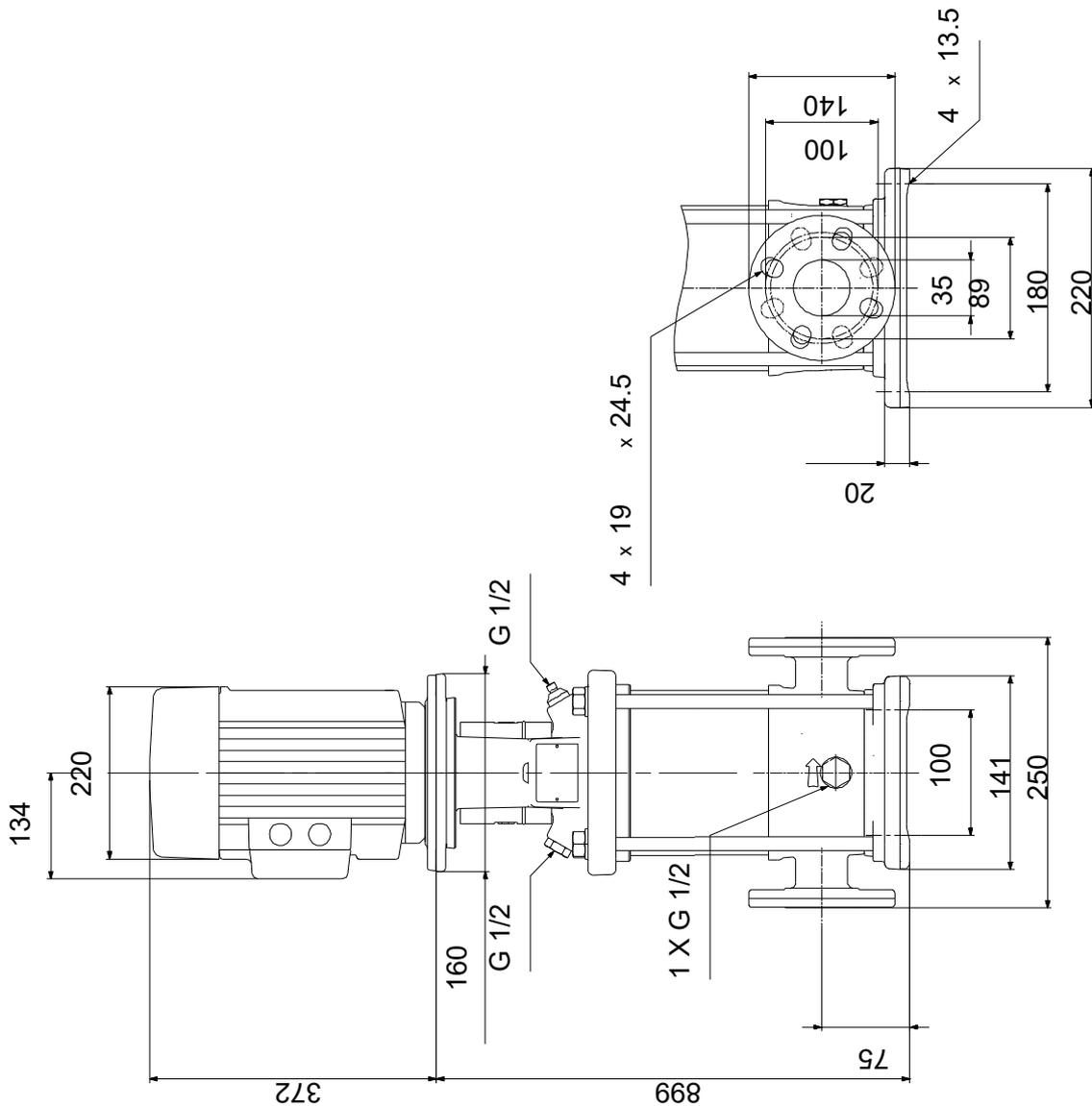
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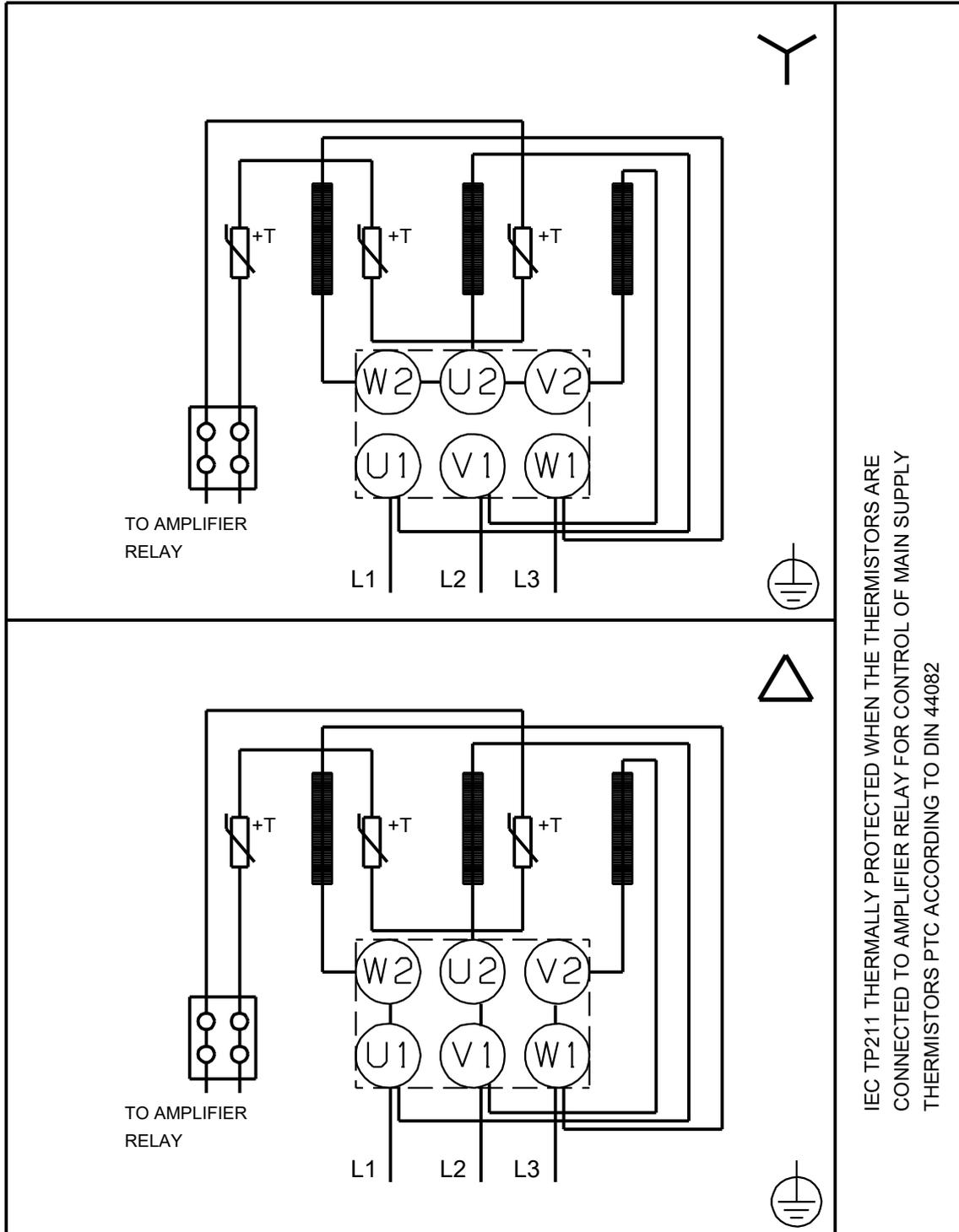


**96513390 CR 5-24 A-FGJ-A-E-HQQE 50 Hz**



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

## 96513390 CR 5-24 A-FGJ-A-E-HQQE 50 Hz



IEC TP211 THERMALLY PROTECTED WHEN THE THERMISTORS ARE  
CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY  
THERMISTORS PTC ACCORDING TO DIN 44082

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