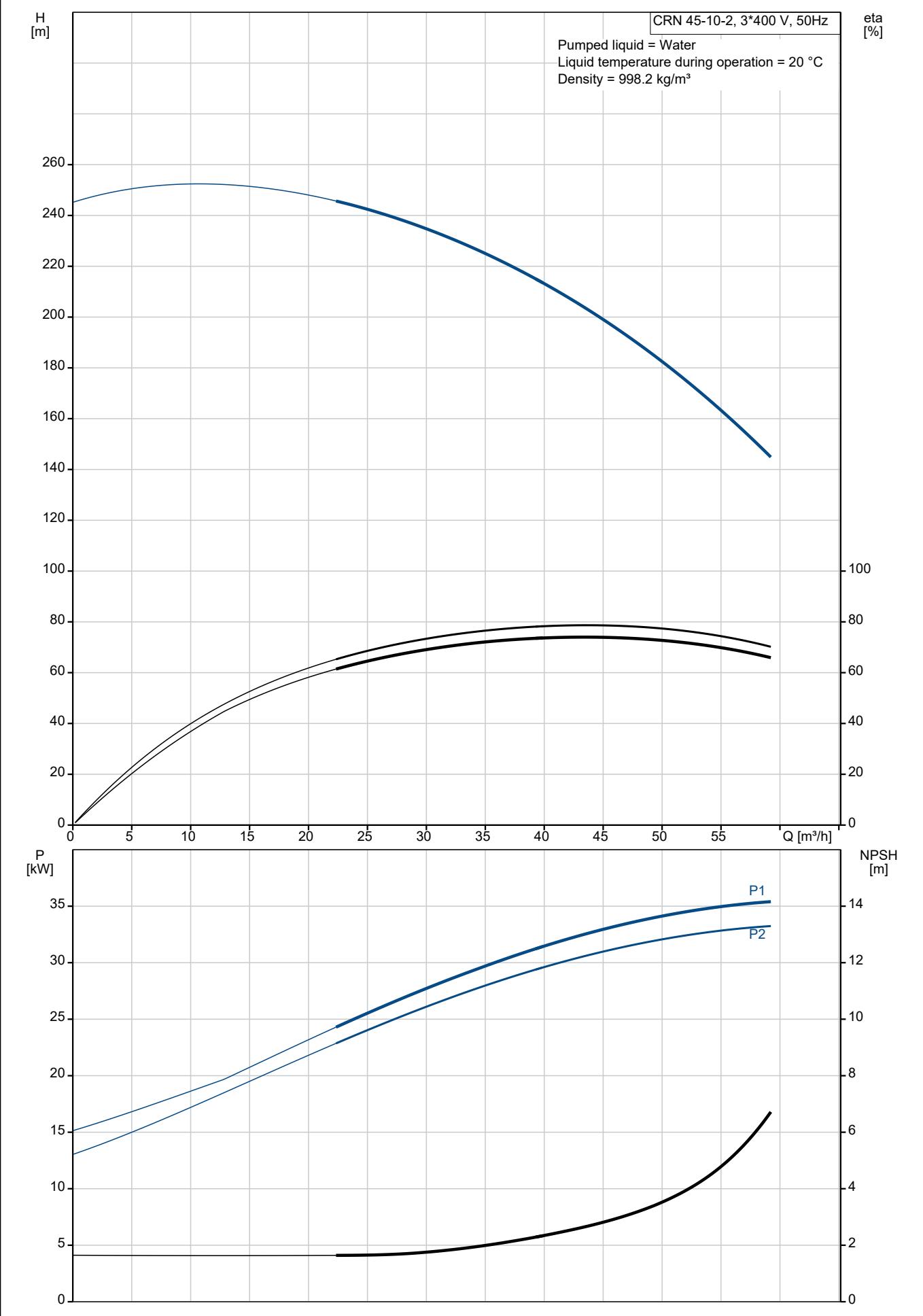


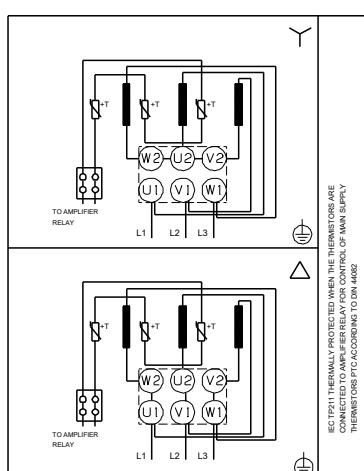
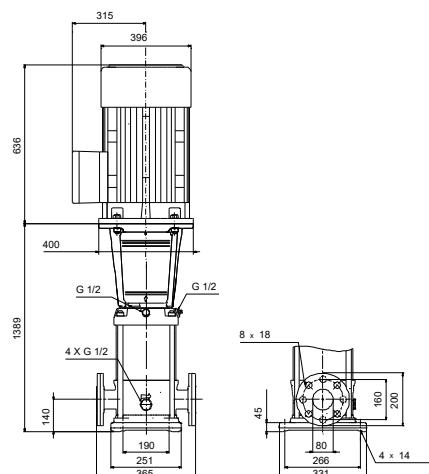
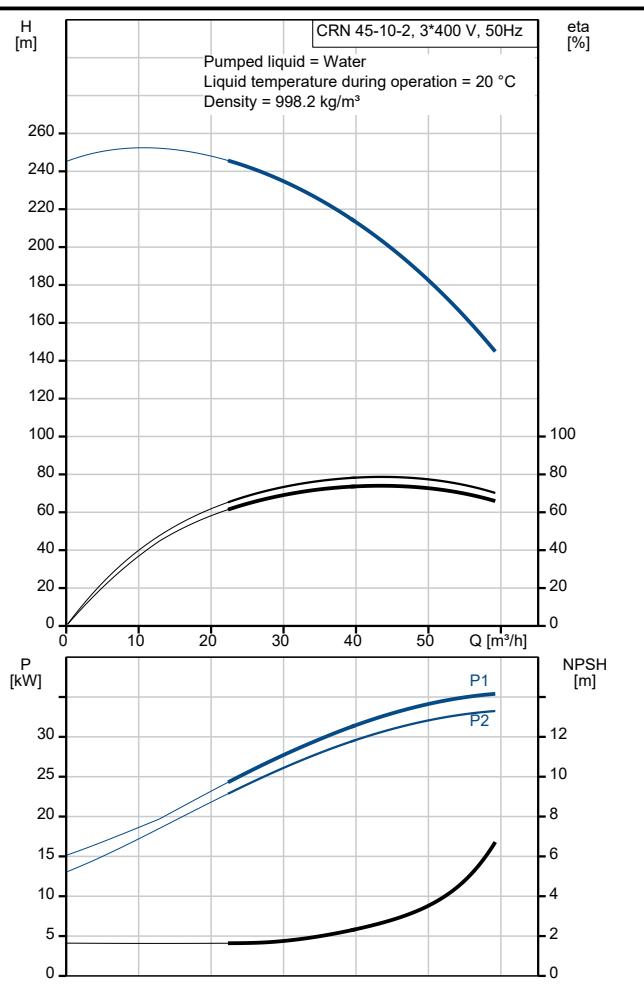
Qty.	Description
1	<p>CRN 45-10-2 A-F-H-E-HQQE</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless 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 DIN flanges.</p> <p>The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p>Liquid:</p> <p>Pumped liquid: Water Liquid temperature range: -40 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³</p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2957 rpm Rated flow: 45 m³/h Rated head: 196.8 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</p> <p>Materials:</p> <p>Base: Stainless steel EN 1.4408 AISI 316</p> <p>Impeller: Stainless steel EN 1.4401 AISI 316</p> <p>Bearing: SIC</p> <p>Support bearing: Grafton</p> <p>Installation:</p> <p>t max amb: 55 °C Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / 120 °C 30 bar / -40 °C</p> <p>Type of connection: DIN Size of inlet connection: DN 80 Size of outlet connection: DN 80 Pressure rating for connection: PN 40 Flange size for motor: FF350</p> <p>Electrical data:</p> <p>Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Power (P2) required by pump: 37 kW Mains frequency: 50 Hz</p>

Qty.	Description
1	Rated voltage: 3 x 380-420D/660-725Y V Rated current: 65/37.5 A Starting current: 710-710 % Cos phi - power factor: 0.88 Rated speed: 2955 rpm Efficiency: IE3 93,7% Motor efficiency at full load: 93.7-93.7 % Motor efficiency at 3/4 load: 94.2-94.2 % Motor efficiency at 1/2 load: 94.0-94.0 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 81U15334
	Controls: Frequency converter: NONE
	Others: Minimum efficiency index, MEI \geq : 0.70 Net weight: 361 kg Gross weight: 406 kg Shipping volume: 0.808 m ³ Country of origin: GB Custom tariff no.: 84137075

On request CRN 45-10-2 A-F-H-E-HQQE 50 Hz

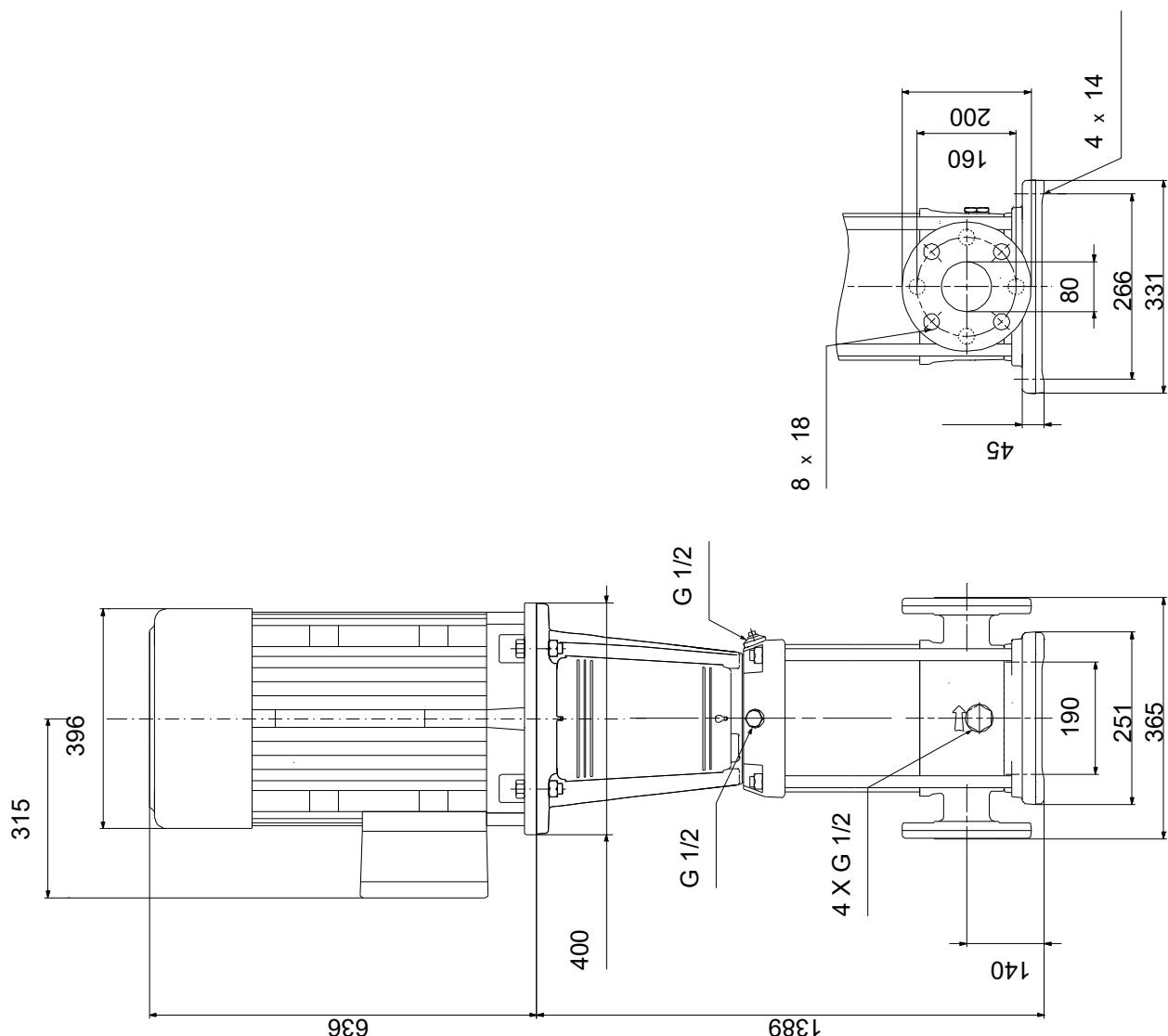


Description	Value
General information:	
Product name:	CRN 45-10-2 A-F-H-E-HQQE
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	2957 rpm
Rated flow:	45 m ³ /h
Rated head:	196.8 m
Maximum head:	245.1 m
Stages:	10
Impellers:	10
Number of reduced-diameter impellers:	2
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:	B
Materials:	
Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	EN 1.4401
Impeller:	AISI 316
Material code:	H
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
t max amb:	55 °C
Maximum operating pressure:	30 bar
Max pressure at stated temp:	30 bar / 120 °C
Max pressure at stated temp:	30 bar / -40 °C
Type of connection:	DIN
Size of inlet connection:	DN 80
Size of outlet connection:	DN 80
Pressure rating for connection:	PN 40
Flange size for motor:	FF350
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-40 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	37 kW
Power (P2) required by pump:	37 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	65/37.5 A
Starting current:	710-710 %
Cos phi - power factor:	0.88
Rated speed:	2955 rpm
Efficiency:	IE3 93.7%
Motor efficiency at full load:	93.7-93.7 %



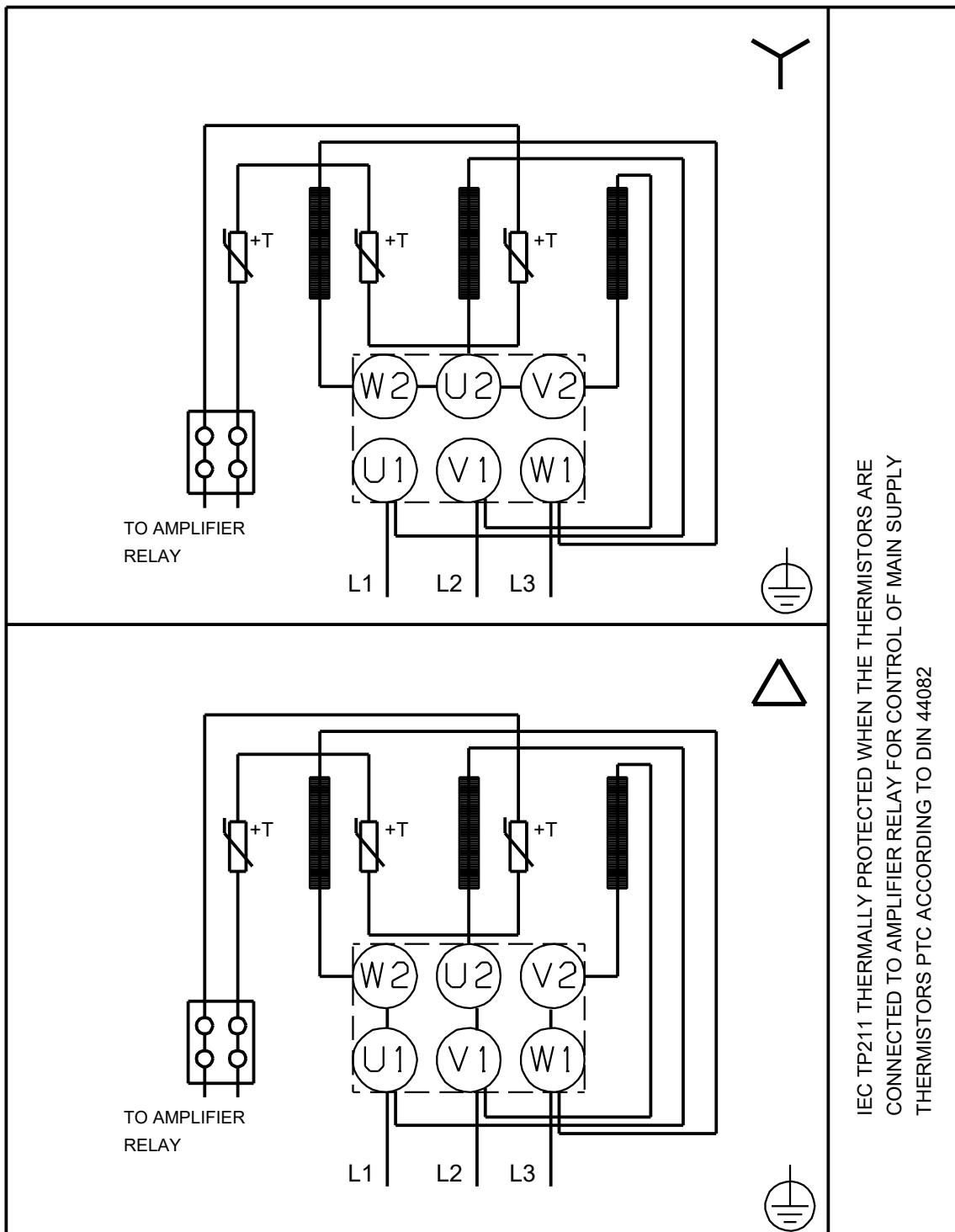
Description	Value
Motor efficiency at 3/4 load:	94.2-94.2 %
Motor efficiency at 1/2 load:	94.0-94.0 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	81U15334
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI \geq :	0.70
Net weight:	361 kg
Gross weight:	406 kg
Shipping volume:	0.808 m ³
Sales region:	Great Britain
Country of origin:	GB
Custom tariff no.:	84137075

On request CRN 45-10-2 A-F-H-E-HQQE 50 Hz



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

On request CRN 45-10-2 A-F-H-E-HQQE 50 Hz



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

Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		CRN 45-10-2	1	On request	Price on request