

Qty.	Description
1	CR 64-8-2 A-F-A-E-HQQE  Note! Product picture may differ from actual product Product No.: 96123546 Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: - Impellers and intermediate chambers are made of Stainless steel, EN 1.4301. - Pump head and base are made of Cast iron. - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. - Pipework connection is via DIN flanges. The motor is a 3-phase AC motor. Controls: Terminal box position: 6 Frequency converter: None Liquid: Pumped liquid: Water Liquid temperature range: -30 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2960 rpm Rated flow: 64 m³/h Rated head: 174 m Pump orientation: Vertical Shaft seal arrangement: Single Primary shaft seal: HQQE Code for shaft seal: HQQE Approvals: CE,EAC,UKCA Approvals for drinking water: WRAS,ACS Curve tolerance: ISO9906:2012 3B Materials:

Qty.	Description
1	Type key, code for rubber components. E = EPDM, V=FKM: E Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Type key, code for materials: A Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / 120 °C 30 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for connection: PN 40 Flange size for motor: FF400 Terminal box position: 6 Electrical data: Motor standard: IEC Motor type: INNOMOTICS Rated power - P2: 45 kW Power (P2) required by pump: 45 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 78/45 A Starting current: 690 % Cos phi - power factor: 0.89 Rated speed: 2960 rpm IE efficiency: IE3 94,0% IE Efficiency class: IE3 Motor efficiency at full load: 94.0 % Motor efficiency at 3/4 load: 94.5 % Motor efficiency at 1/2 load: 94.4 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: PTC Motor No: 81U15336 Others: Minimum efficiency index, MEI ≥: 0.70



Company name:

Created by:

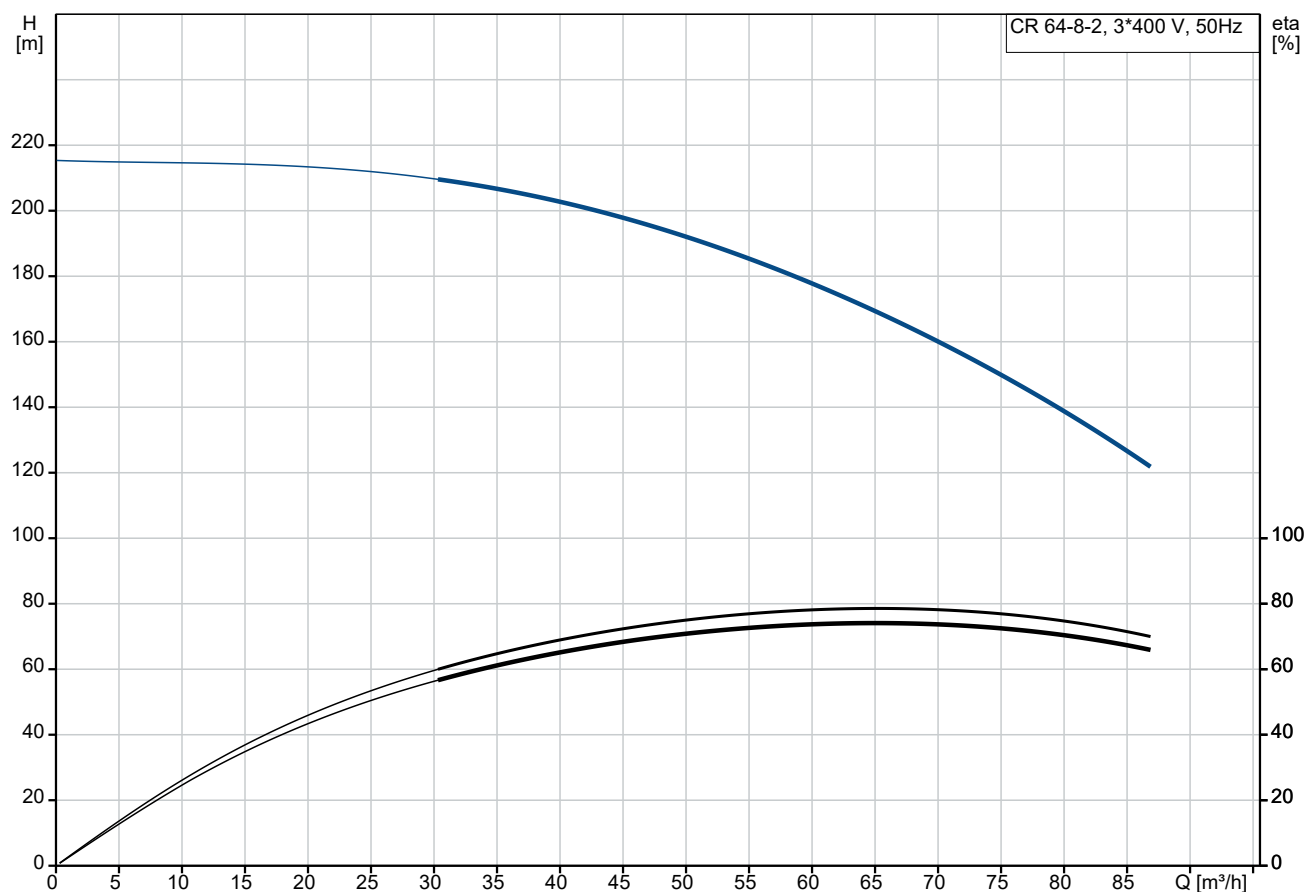
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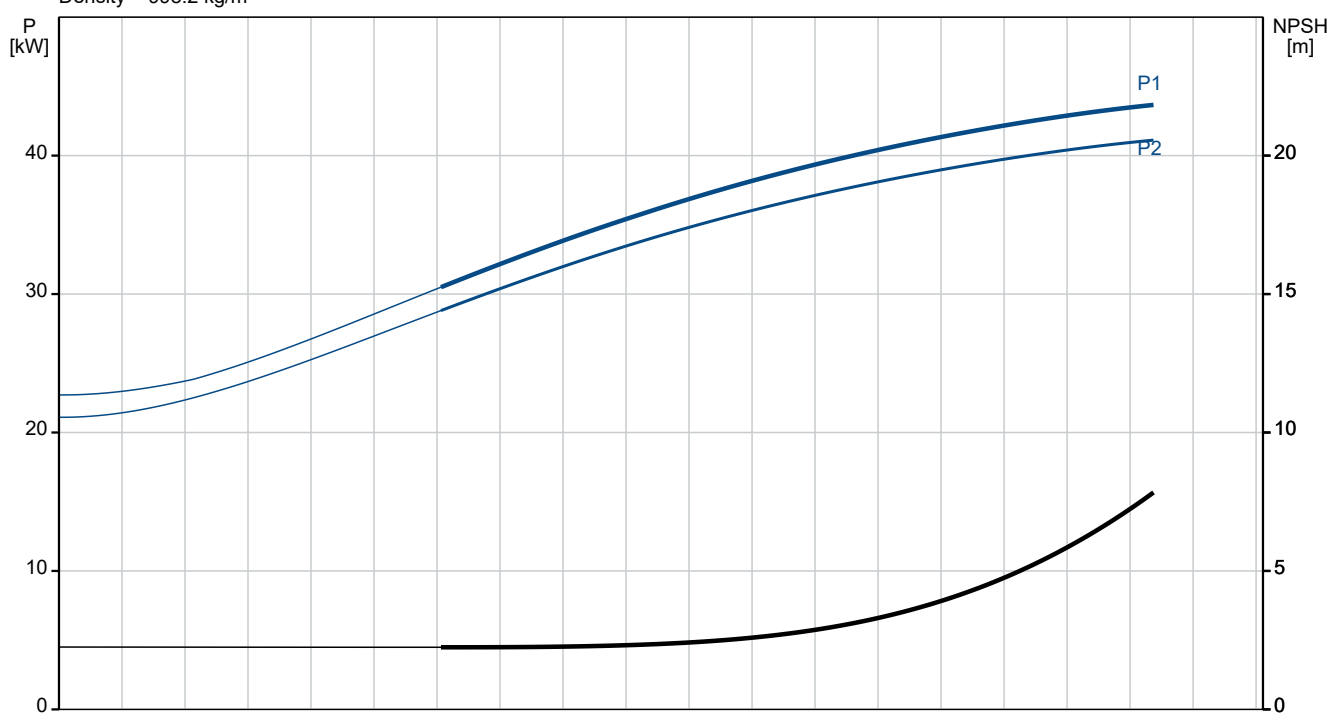
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Qty.	Description
1	Net weight: 448 kg Gross weight: 498 kg Shipping volume: 1.13 m³ Danish VVS No.: 385908082 Finnish LVI No.: 4925530

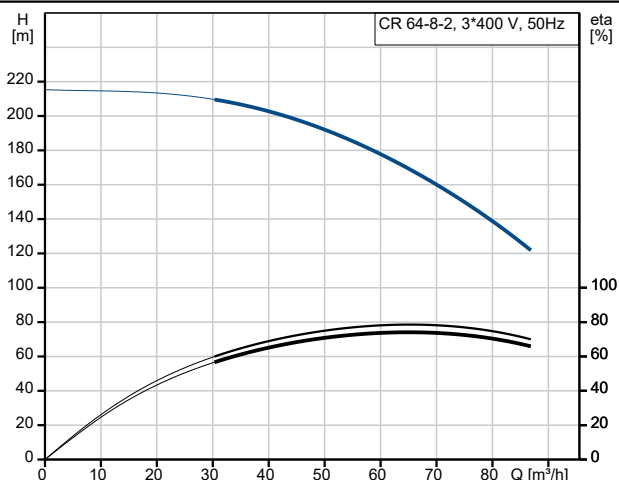
96123546 CR 64-8-2 A-F-A-E-HQQE 50 Hz



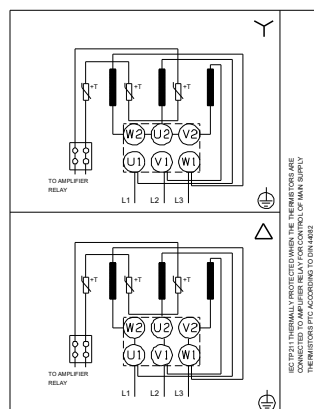
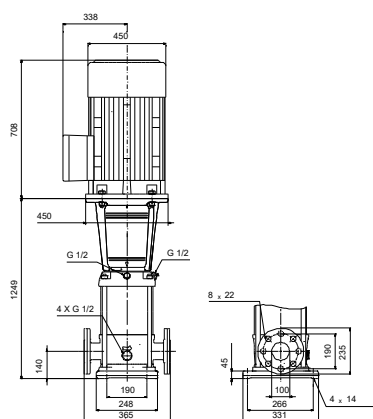
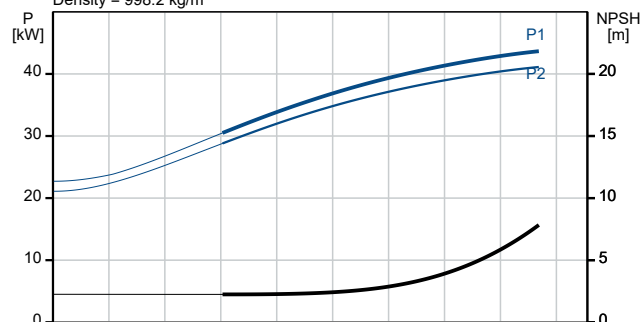
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
Product name:	CR 64-8-2 A-F-A-E-HQQE
Product No:	96123546
EAN number:	5700396697567
Price:	
Technical:	
Pump speed on which pump data are based:	2960 rpm
Rated flow:	64 m³/h
Rated head:	174 m
Maximum head:	214 m
Stages:	8
Impellers:	8
Number of reduced-diameter impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Primary shaft seal:	HQQE
Code for shaft seal:	HQQE
Approvals:	CE, EAC, UKCA
Approvals for drinking water:	WRAS, ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
Pump type:	CR
Materials:	
Type key, code for rubber components. E = EPDM, V=FKM:	E
Base:	Cast iron EN 1563 EN-GJS-500-7
Impeller:	ASTM A536 80-55-06 Stainless steel EN 1.4301 AISI 304
Type key, code for materials:	A
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	30 bar
Max pressure at stated temp:	30 bar / 120 °C 30 bar / -30 °C
Type key, code for pipework connection:	F
Type of connection:	DIN
Size of inlet connection:	DN 100
Size of outlet connection:	DN 100
Pressure rating for connection:	PN 40
Flange size for motor:	FF400
Terminal box position:	6
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³



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





Company name:

Created by:

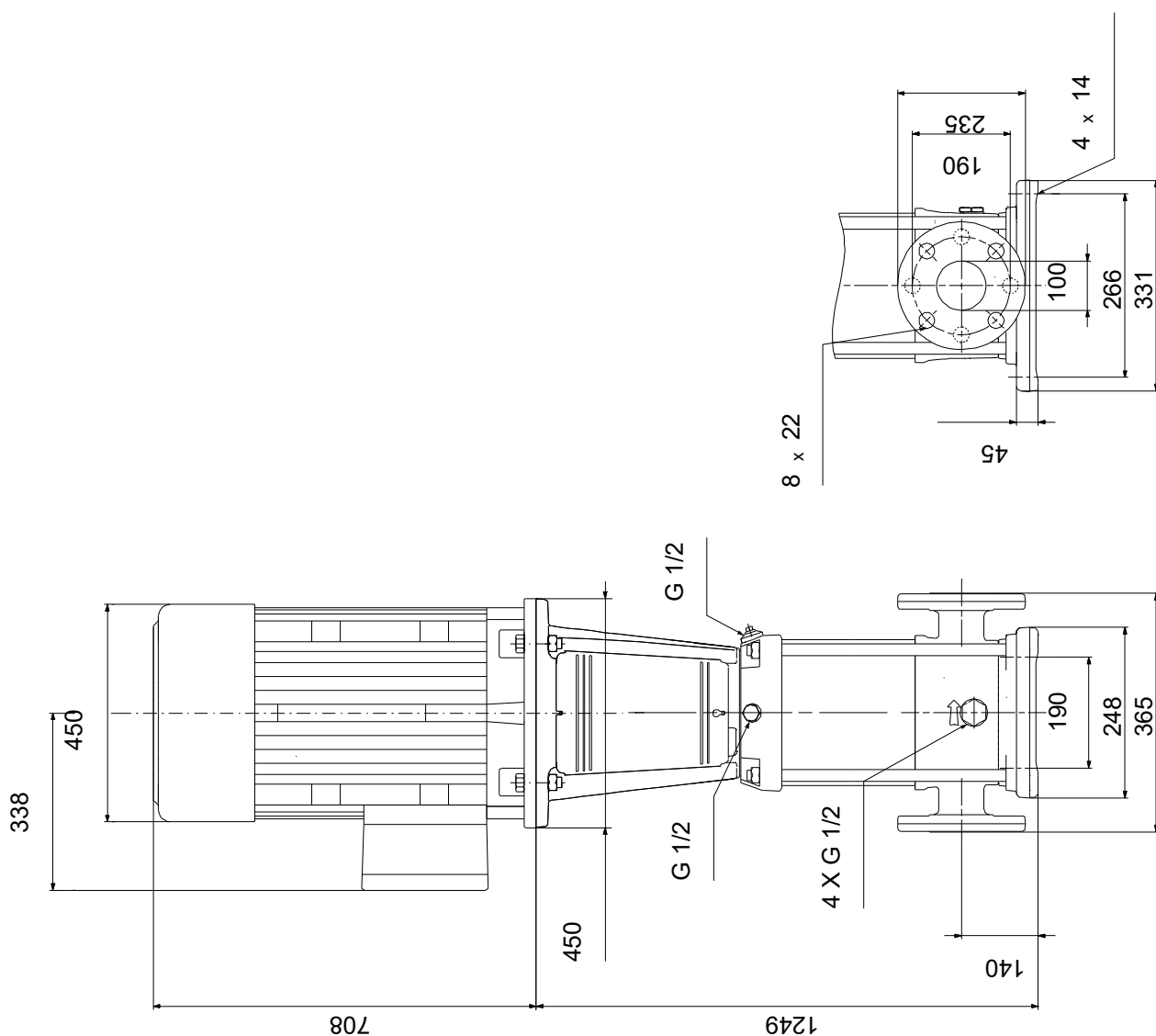
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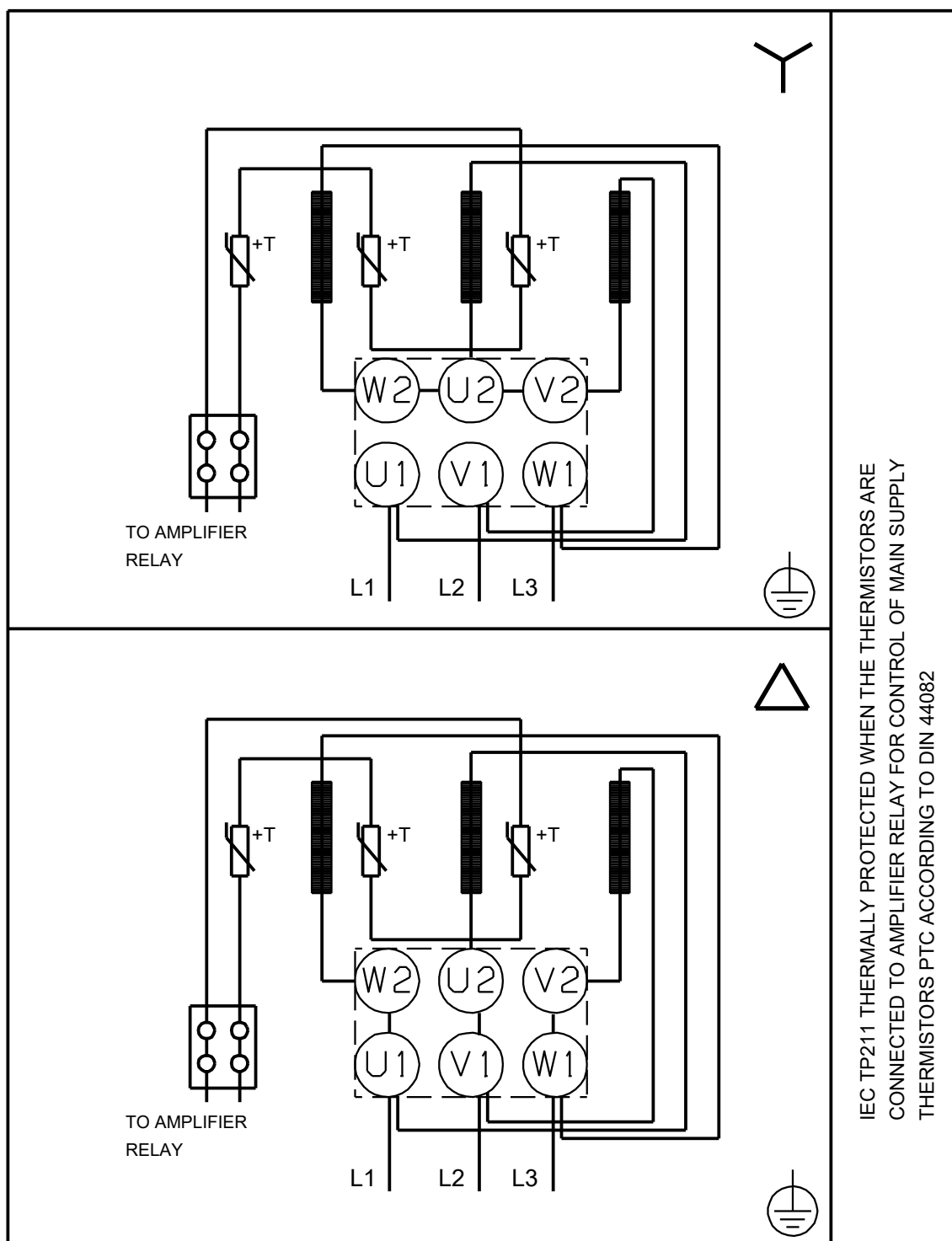
Description	Value
Electrical data:	
Motor standard:	IEC
Motor type:	INNOMOTICS
Rated power - P2:	45 kW
Power (P2) required by pump:	45 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	78/45 A
Starting current:	690 %
Cos phi - power factor:	0.89
Rated speed:	2960 rpm
IE efficiency:	IE3 94,0%
IE Efficiency class:	IE3
Motor efficiency at full load:	94.0 %
Motor efficiency at 3/4 load:	94.5 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	81U15336
Controls:	
Terminal box position:	6
Frequency converter:	None
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	448 kg
Gross weight:	498 kg
Shipping volume:	1.13 m ³
Danish VVS No.:	385908082
Finnish LVI No.:	4925530

96123546 CR 64-8-2 A-F-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.

96123546 CR 64-8-2 A-F-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.