

## Qty. Description

1 CRN 20-8 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: [96504503](#)

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 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: 3528 rpm  
Rated flow: 25.3 m<sup>3</sup>/h  
Rated head: 136.6 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: Stainless steel  
EN 1.4408  
AISI 316  
Impeller: Stainless steel  
EN 1.4401  
AISI 316  
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 50  
Size of outlet connection: DN 50  
Pressure rating for connection: PN 25  
Flange rating inlet: 300 lb  
Flange size for motor: FF300



Company name:

Created by:

Phone:

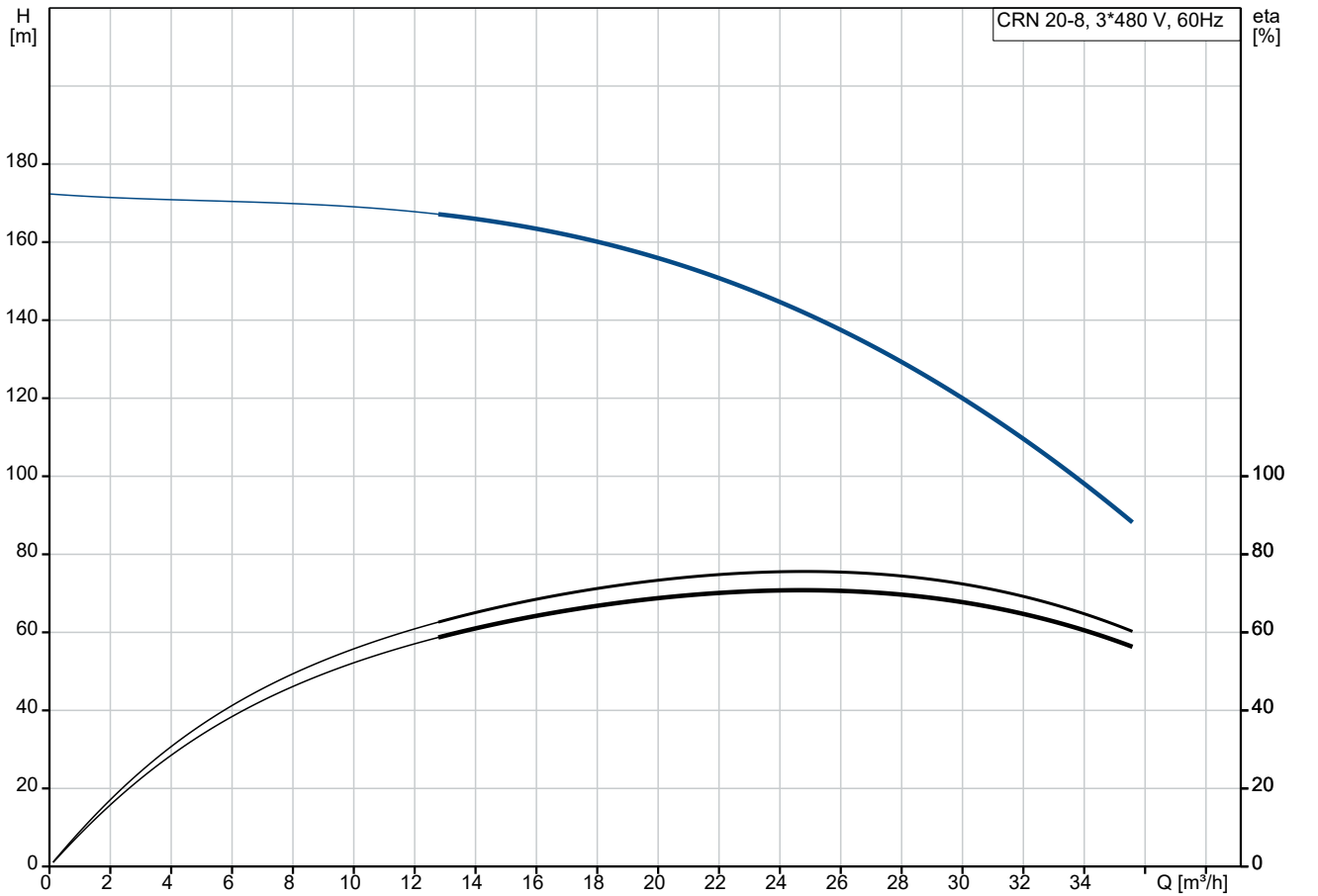
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29/10/2024

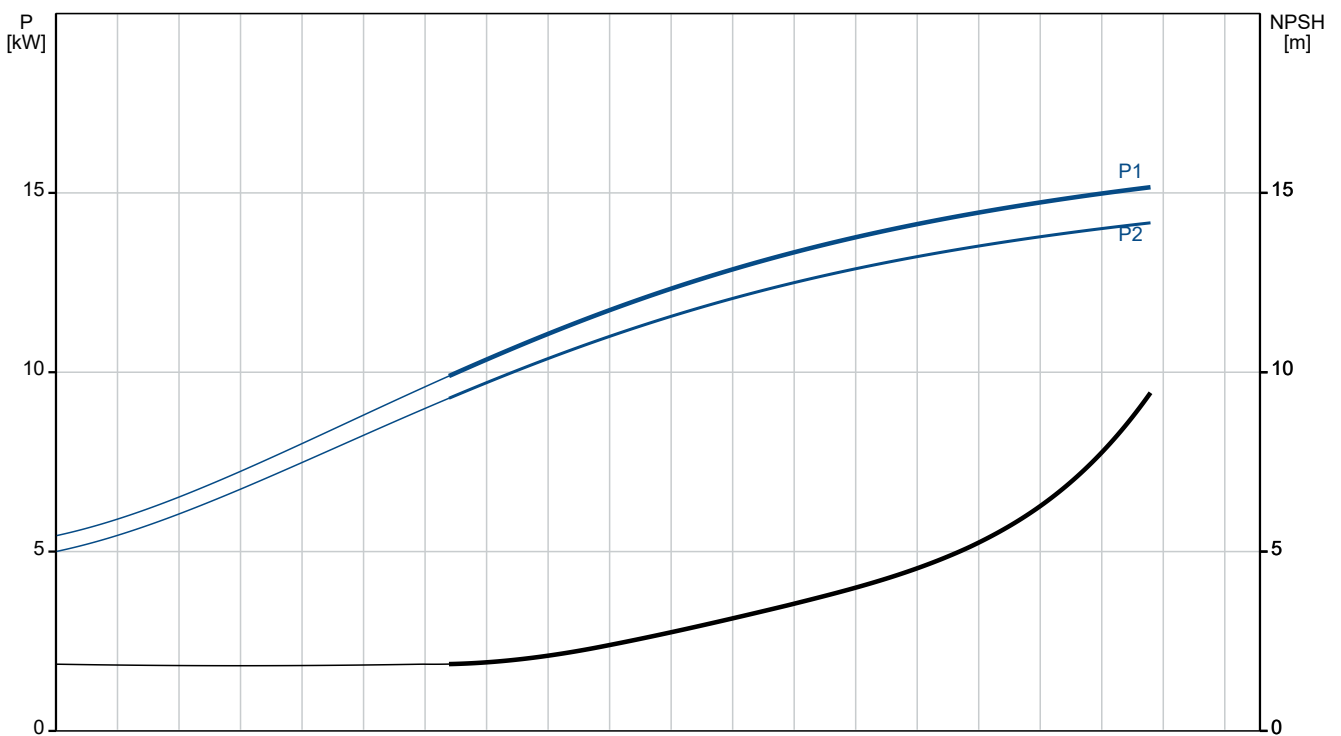
Qty.	Description
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1	Electrical data:
	Motor standard: IEC
	Motor type: 160MD
	Rated power - P2: 15 kW
	Power (P2) required by pump: 15 kW
	Mains frequency: 60 Hz
	Rated voltage: 3 x 400-480D/690Y V
	Rated current: 26,9-22,4/15,6 A
	Starting current: 640-890 %
	Cos phi - power factor: 0.89-0.86
	Rated speed: 3530-3550 rpm
	IE Efficiency class: NEMA Premium / IE3 60Hz
	Motor efficiency at full load: 91.0 %
	Motor efficiency at 3/4 load: 91.9-92.3 %
	Motor efficiency at 1/2 load: 92.9-91.3 %
	Number of poles: 2
	Enclosure class (IEC 34-5): 55 Dust/Jetting
	Insulation class (IEC 85): F
	Motor No: 85U17526
	Controls:
	Frequency converter: None
	Others:
	Terminal box position: 6
	Minimum efficiency index, MEI ≥: 0.70
	Net weight: 155 kg
	Gross weight: 183 kg
	Shipping volume: 0.488 m³
	Country of origin: TW
	Custom tariff no.: 8413700000

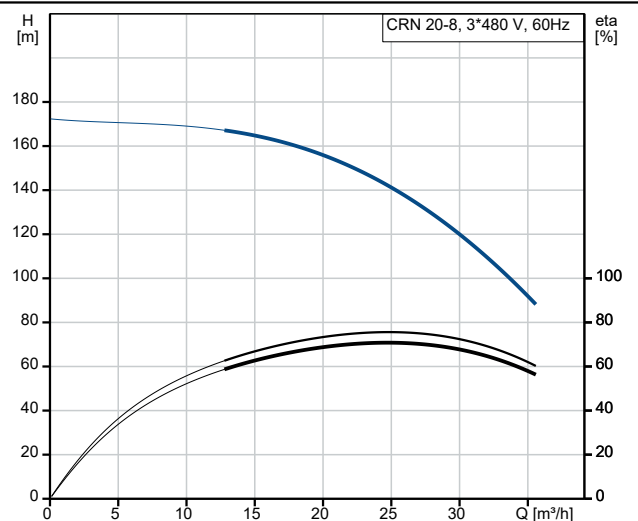
## 96504503 CRN 20-8 A-FGJ-A-E-HQQE 60 Hz



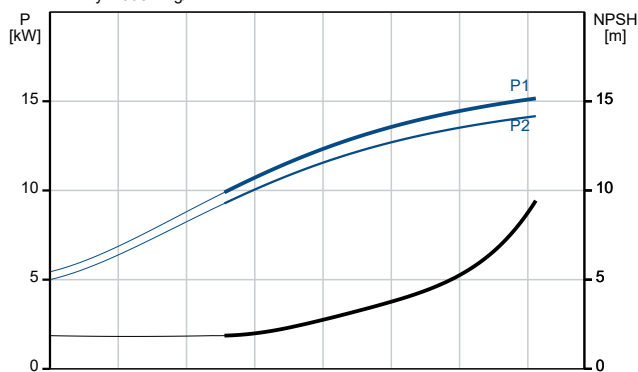
Pumped liquid = Water  
 Liquid temperature during operation = 20 °C  
 Density = 998.2 kg/m³



Description	Value
<b>General information:</b>	
Product name:	CRN 20-8 A-FGJ-A-E-HQQE
Product No:	96504503
EAN number:	5700396291475
<b>Technical:</b>	
Pump speed on which pump data are based:	3528 rpm
Rated flow:	25.3 m³/h
Rated head:	136.6 m
Maximum head:	170 m
Stages:	8
Impellers:	8
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:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	EN 1.4401
Impeller:	AISI 316
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 50
Size of outlet connection:	DN 50
Pressure rating for connection:	PN 25
Flange rating inlet:	300 lb
Flange size for motor:	FF300
Connect code:	FGJ
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	160MD
Rated power - P2:	15 kW
Power (P2) required by pump:	15 kW
Mains frequency:	60 Hz
Rated voltage:	3 x 400-480D/690Y V
Rated current:	26,9-22,4/15,6 A



Pumped liquid = Water  
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Company name:

Created by:

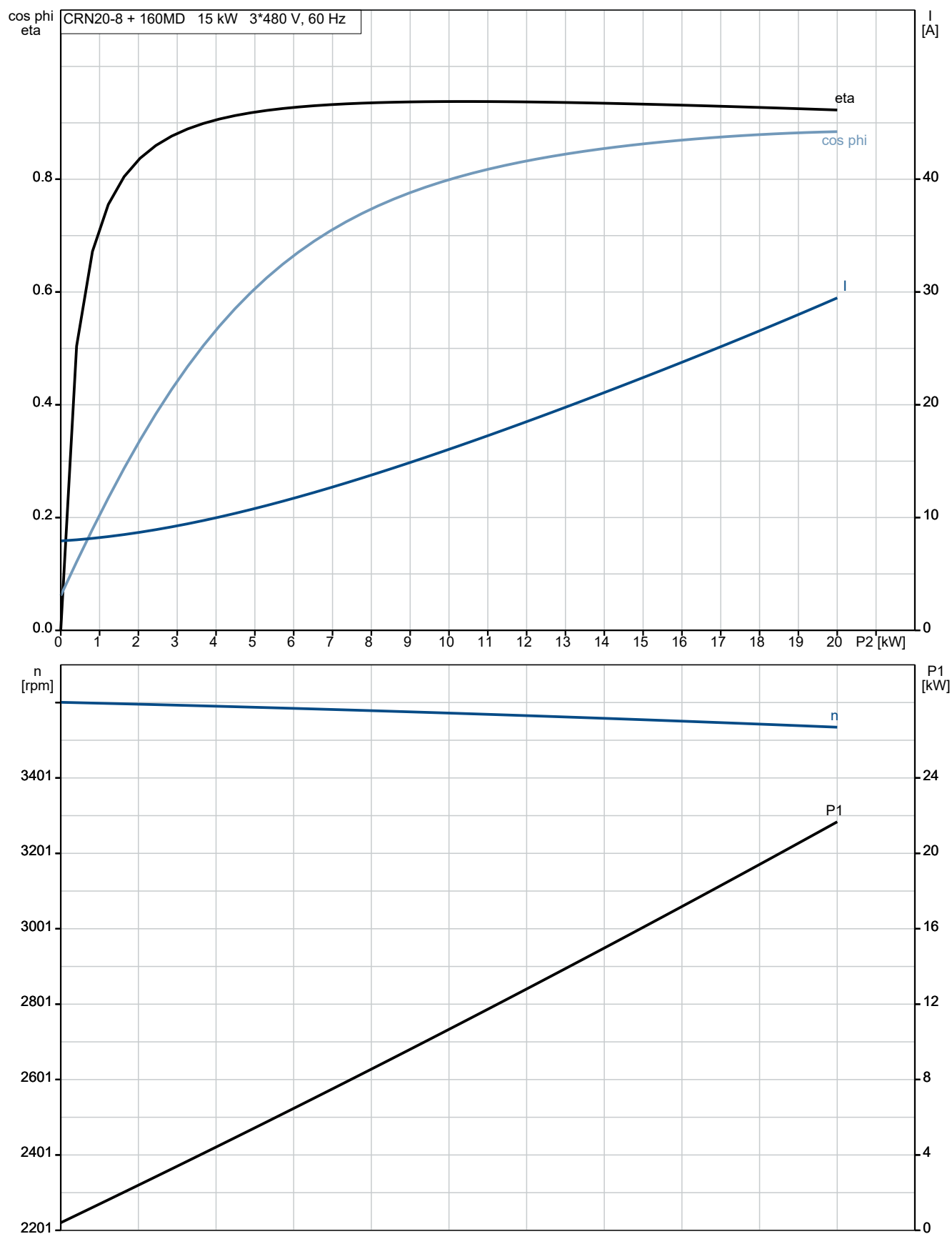
Phone:

Date:

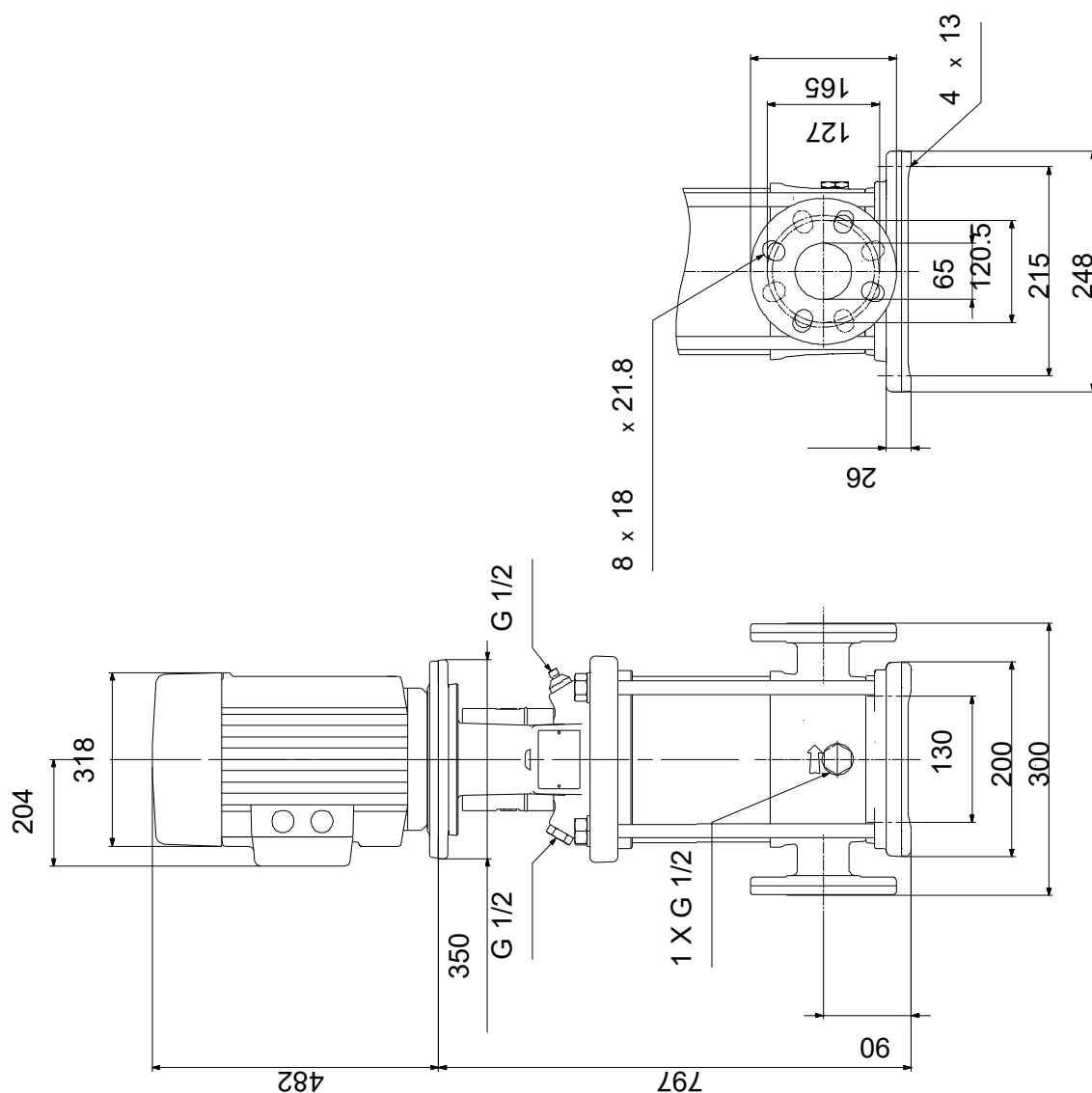
29/10/2024

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Starting current:	640-890 %
Cos phi - power factor:	0.89-0.86
Rated speed:	3530-3550 rpm
IE Efficiency class:	NEMA Premium / IE3 60Hz
Motor efficiency at full load:	91.0 %
Motor efficiency at 3/4 load:	91.9-92.3 %
Motor efficiency at 1/2 load:	92.9-91.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U17526
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI ≥:	0.70
Net weight:	155 kg
Gross weight:	183 kg
Shipping volume:	0.488 m <sup>3</sup>
Country of origin:	TW
Custom tariff no.:	8413700000

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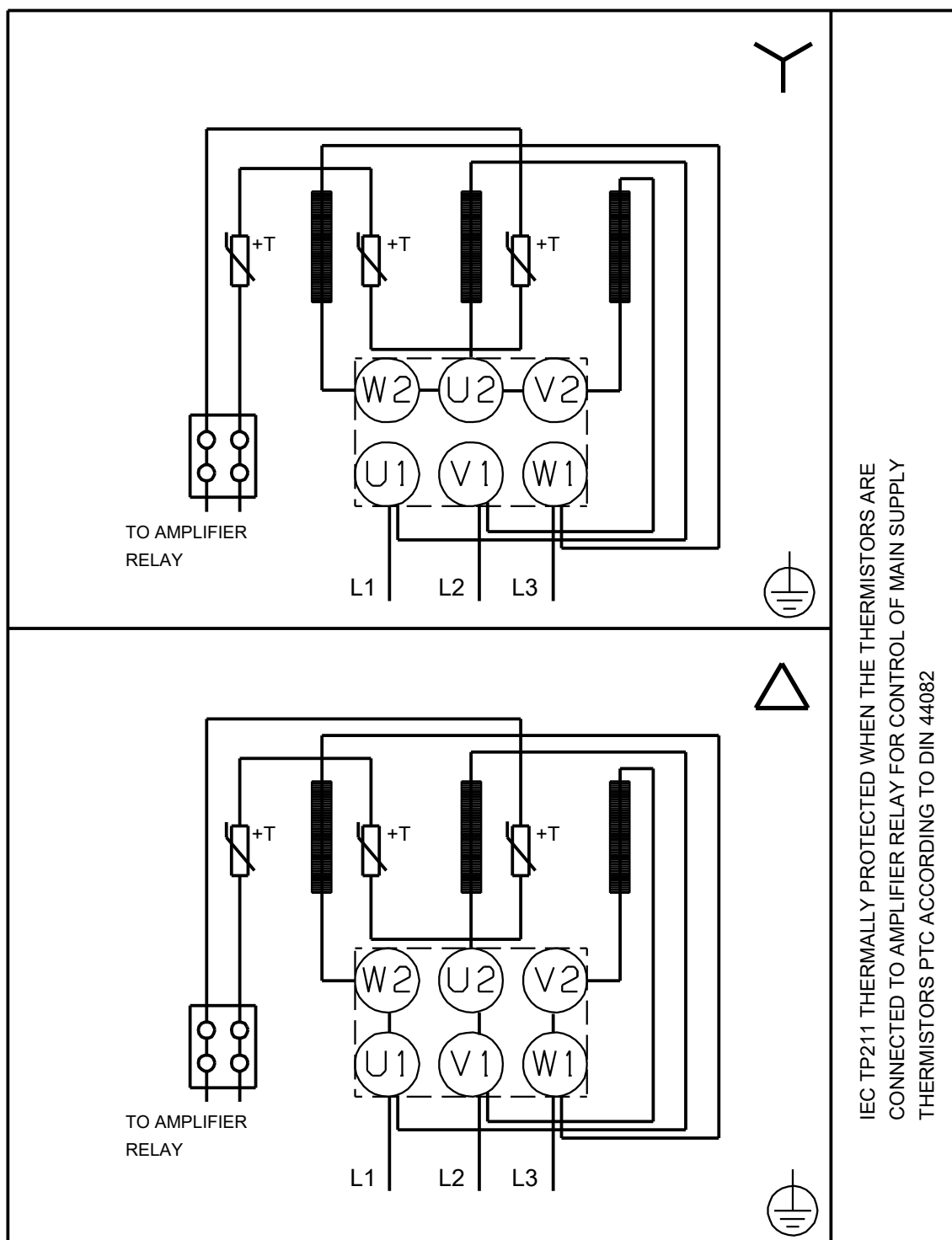
## 96504503 CRN 20-8 A-FGJ-A-E-HQQE 60 Hz



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

Disclaimer: This simplified dimensional drawing does not show all details.

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