

Qty. Description

1 CRN 20-10 A-P-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96504427](#)

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 PJE (Victaulic®) couplings.

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

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 90 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 3540 rpm
Rated flow: 25.3 m³/h
Rated head: 172.4 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQV
Approvals: CE,EAC,UKCA,SEPRO
Approvals for drinking water: WRAS
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 / 90 °C
25 bar / -20 °C
Type of connection: PJE
Size of inlet connection: DN 50
Size of outlet connection: DN 50
Pressure rating for connection: PN 50
Flange size for motor: FF300

Electrical data:



Company name:

Created by:

Phone:

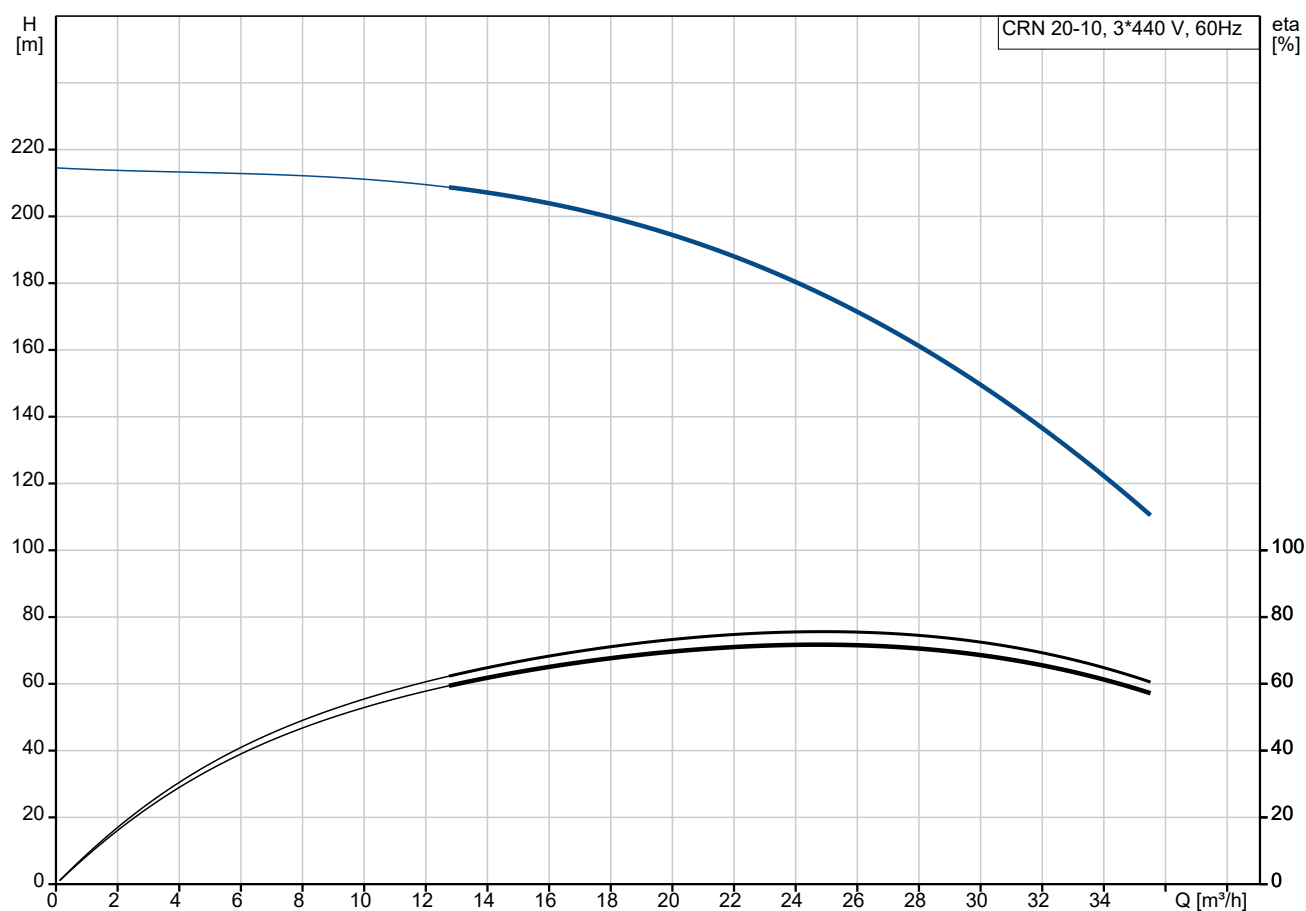
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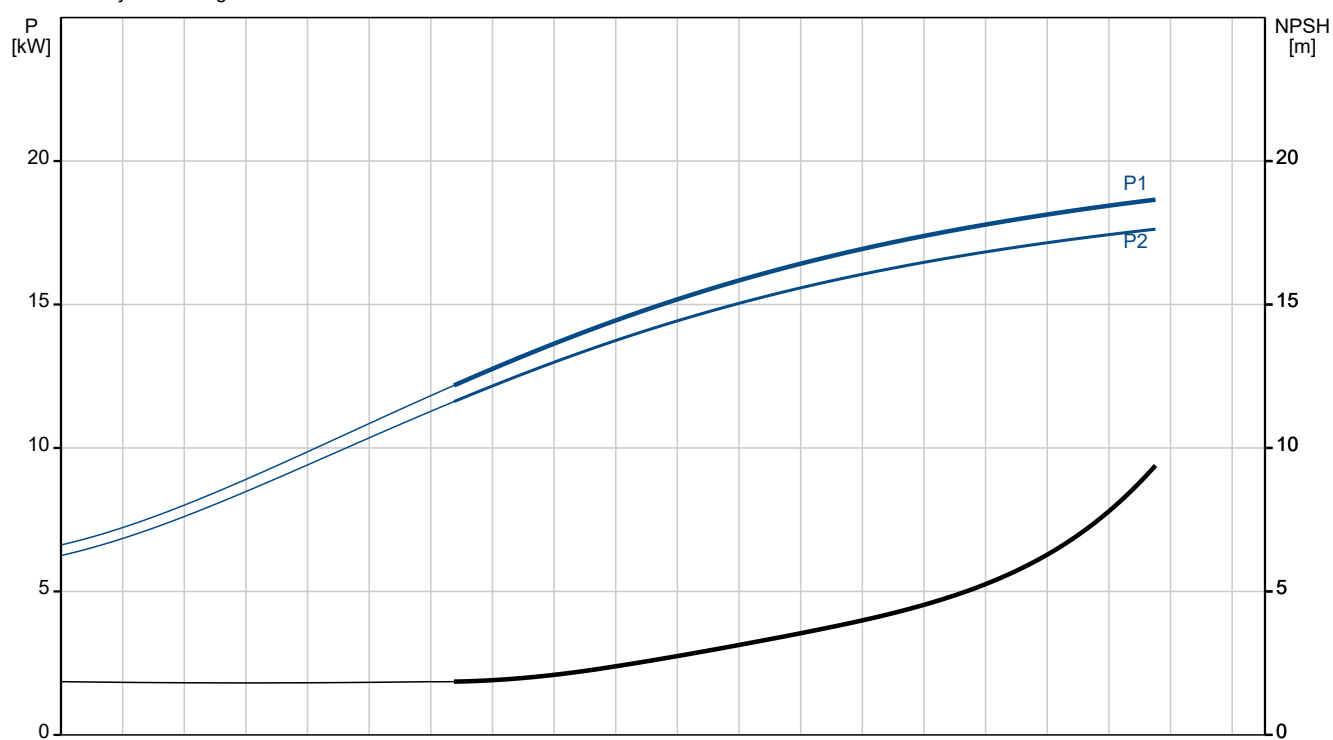
Qty.	Description
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1	Motor standard: IEC
	Motor type: 160LB
	Rated power - P2: 18.5 kW
	Power (P2) required by pump: 18.5 kW
	Mains frequency: 60 Hz
	Rated voltage: 3 x 220-277D/380-480Y V
	Rated current: 59,5-48,5/34,5-28,0 A
	Starting current: 670-1100 %
	Cos phi - power factor: 0.89-0.84
	Rated speed: 3520-3560 rpm
	IE Efficiency class: NEMA Premium / IE3 60Hz
	Motor efficiency at full load: 92.4 %
	Motor efficiency at 3/4 load: 92.3-93.1 %
	Motor efficiency at 1/2 load: 92.4-91.8 %
	Number of poles: 2
	Enclosure class (IEC 34-5): 55 Dust/Jetting
	Insulation class (IEC 85): F
	Motor No: 85U07528
	Controls:
	Frequency converter: None
	Others:
	Terminal box position: 6
	Minimum efficiency index, MEI ≥: 0.70
	Net weight: 167 kg
	Gross weight: 195 kg
	Shipping volume: 0.488 m³
	Country of origin: TW
	Custom tariff no.: 8413700000

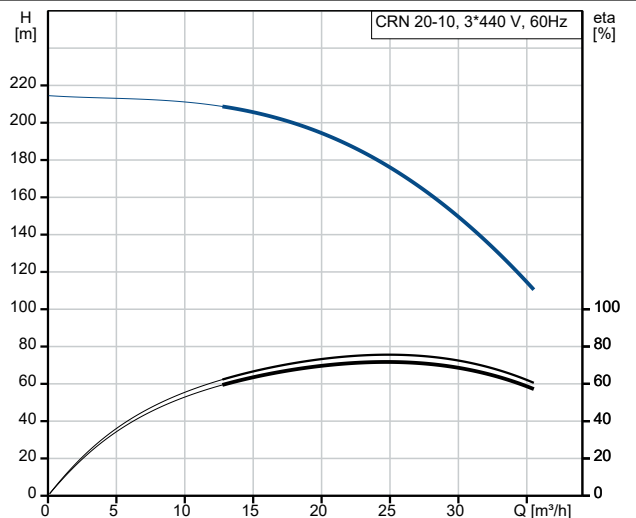
96504427 CRN 20-10 A-P-A-V-HQQV 60 Hz



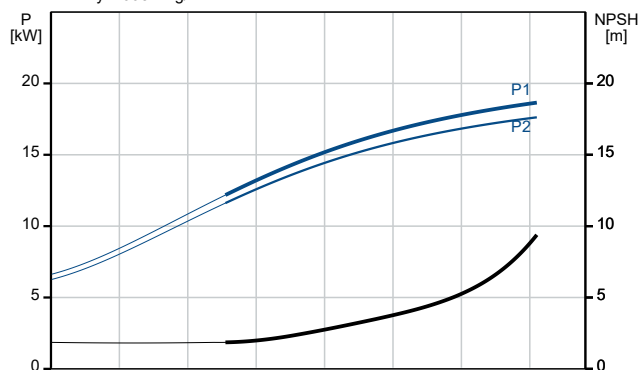
Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
Product name:	CRN 20-10 A-P-A-V-HQQV
Product No:	96504427
EAN number:	5700396289953
Technical:	
Pump speed on which pump data are based:	3540 rpm
Rated flow:	25.3 m³/h
Rated head:	172.4 m
Maximum head:	214 m
Stages:	10
Impellers:	10
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQV
Approvals:	CE,EAC,UKCA,SEPRO
Approvals for drinking water:	WRAS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
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:	V
Bearing:	SIC
Installation:	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 90 °C
Max pressure at stated temp:	25 bar / -20 °C
Type of connection:	PJE
Size of inlet connection:	DN 50
Size of outlet connection:	DN 50
Pressure rating for connection:	PN 50
Flange size for motor:	FF300
Connect code:	P
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor standard:	IEC
Motor type:	160LB
Rated power - P2:	18.5 kW
Power (P2) required by pump:	18.5 kW
Mains frequency:	60 Hz
Rated voltage:	3 x 220-277D/380-480Y V
Rated current:	59,5-48,5/34,5-28,0 A
Starting current:	670-1100 %



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





Company name:

Created by:

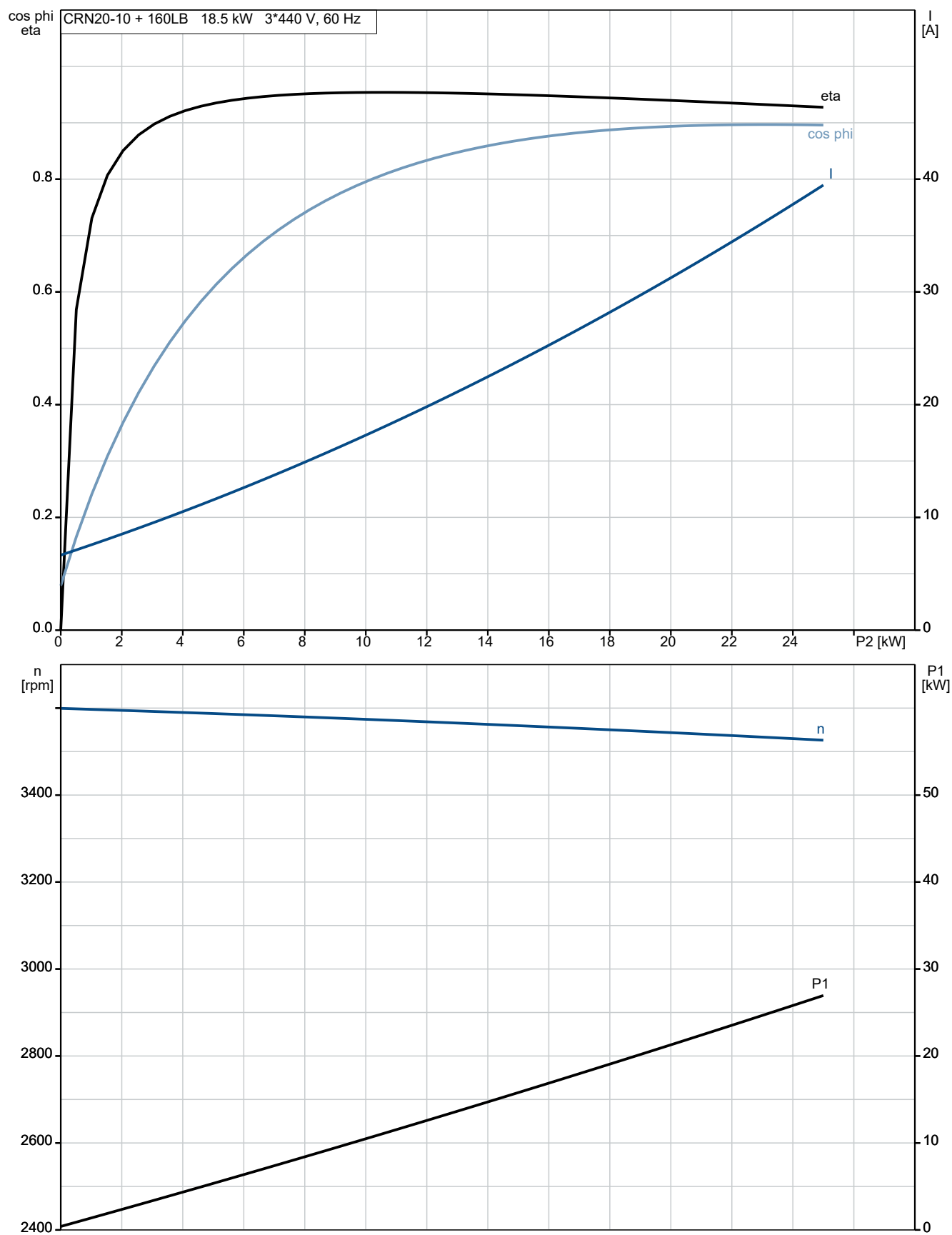
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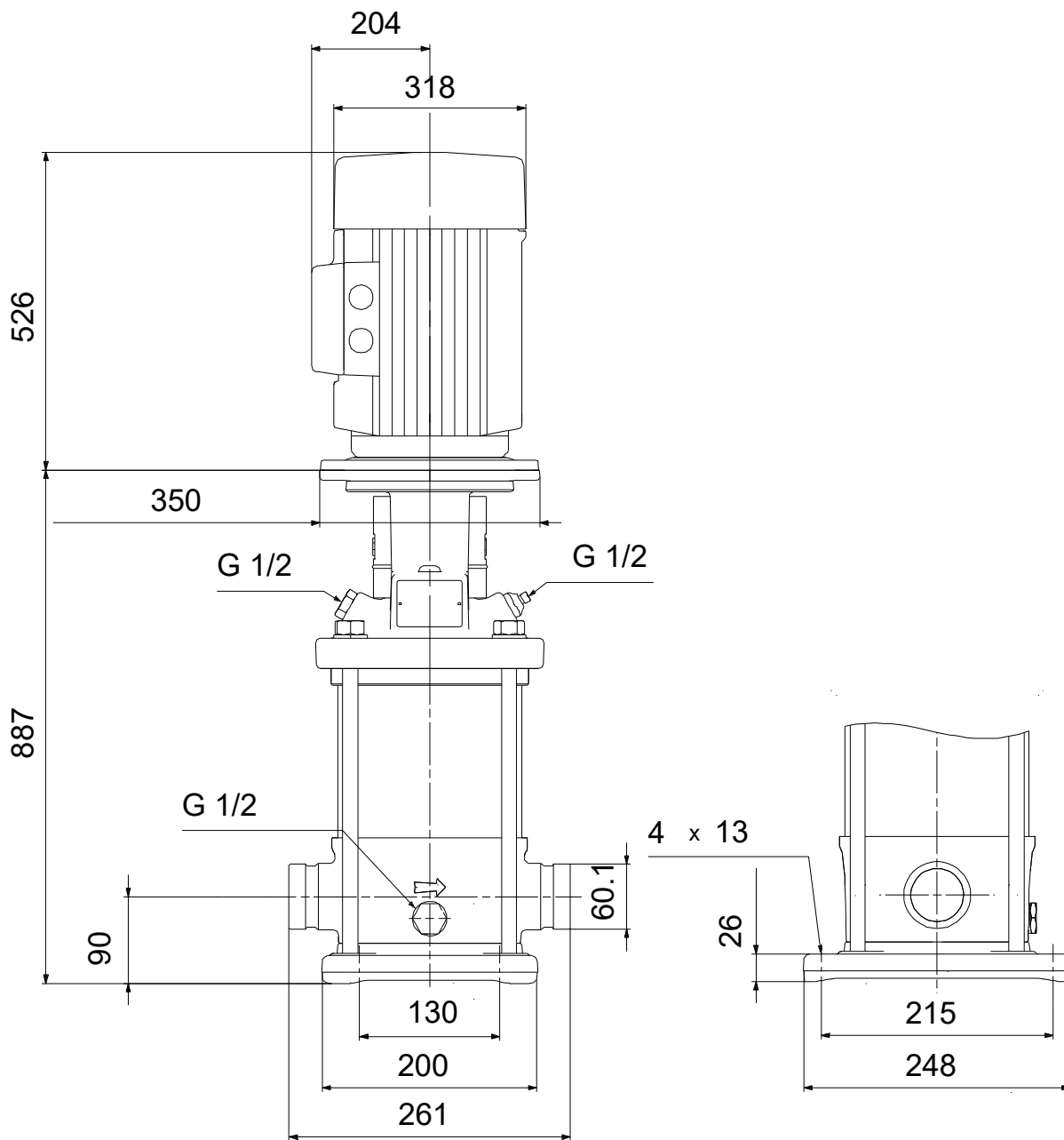
29/10/2024

Description	Value
Cos phi - power factor:	0.89-0.84
Rated speed:	3520-3560 rpm
IE Efficiency class:	NEMA Premium / IE3 60Hz
Motor efficiency at full load:	92.4 %
Motor efficiency at 3/4 load:	92.3-93.1 %
Motor efficiency at 1/2 load:	92.4-91.8 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U07528
Controls:	
Frequency converter:	None
Others:	
Terminal box position:	6
Minimum efficiency index, MEI ≥:	0.70
Net weight:	167 kg
Gross weight:	195 kg
Shipping volume:	0.488 m ³
Country of origin:	TW
Custom tariff no.:	8413700000

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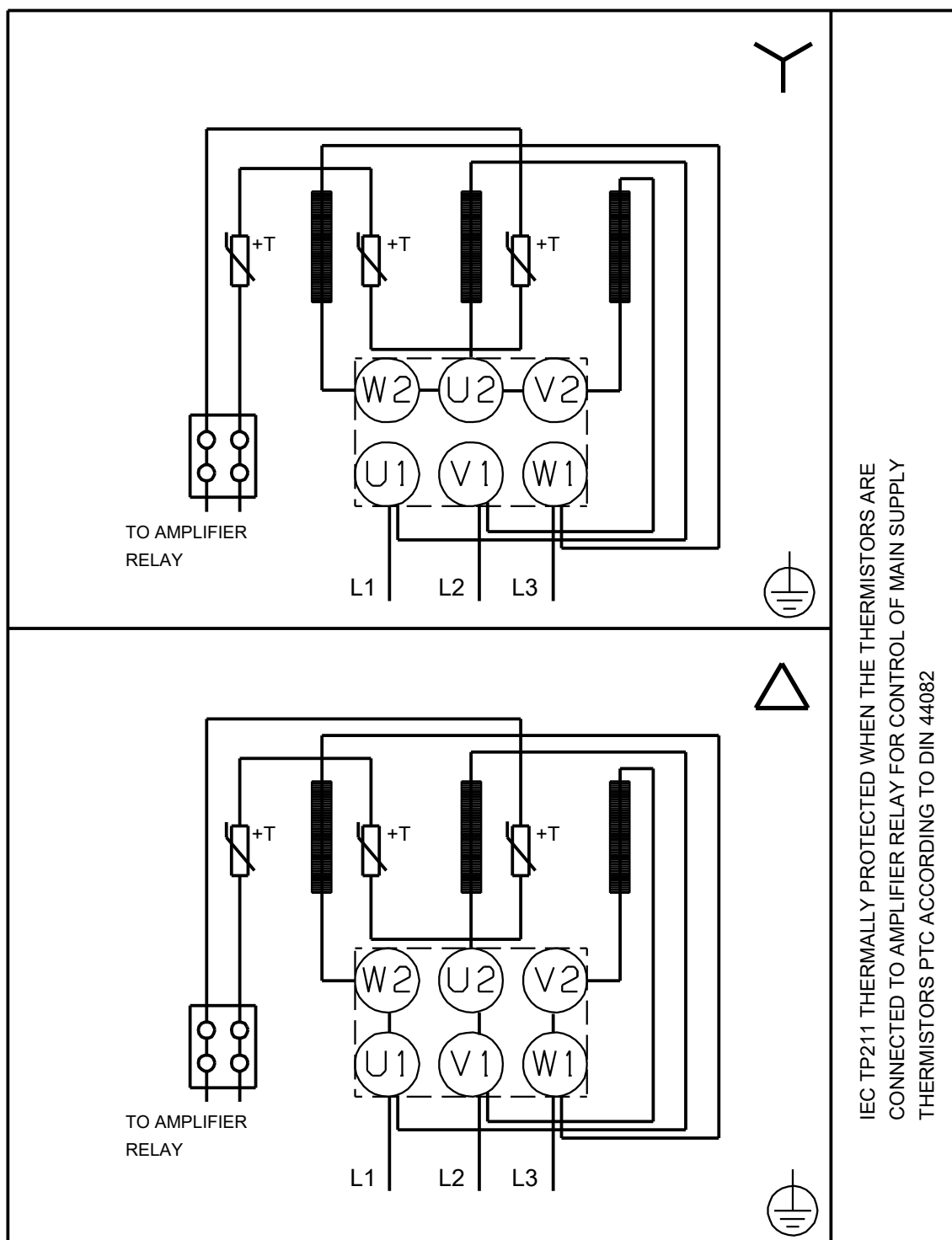
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Note! All units are in [mm] unless others are stated.

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

96504427 CRN 20-10 A-P-A-V-HQQV 60 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.