

NBE150-200/218-208 A-F1-A-GQQE

Grundfos Pump 96539220



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<https://www.lenntech.com/grundfos/NBE00/96539220/NBE-150-200-220-A-F-A-GQQE.html>

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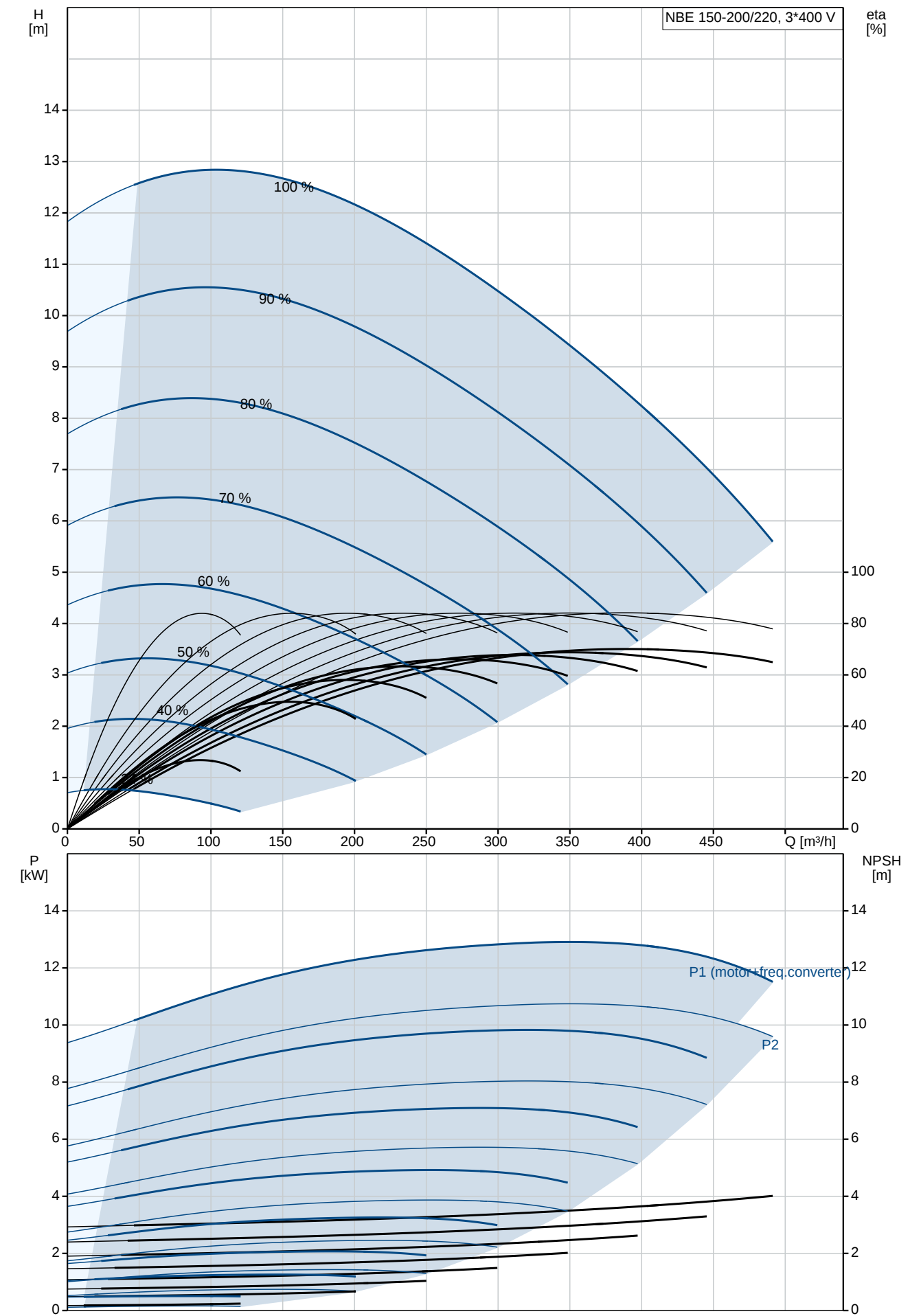
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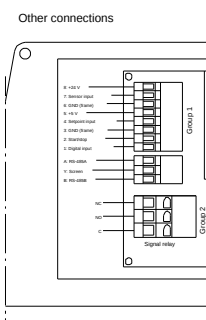
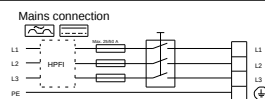
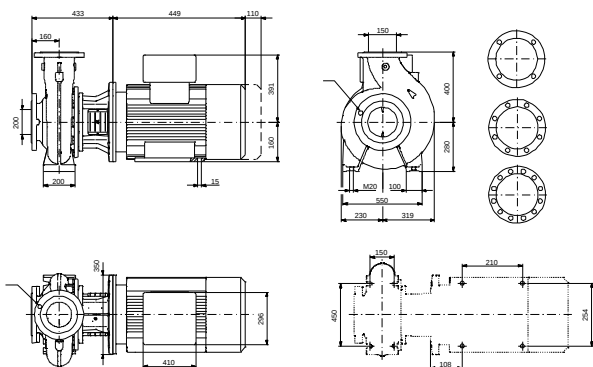
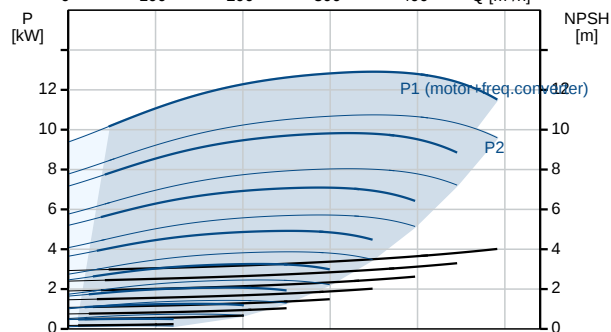
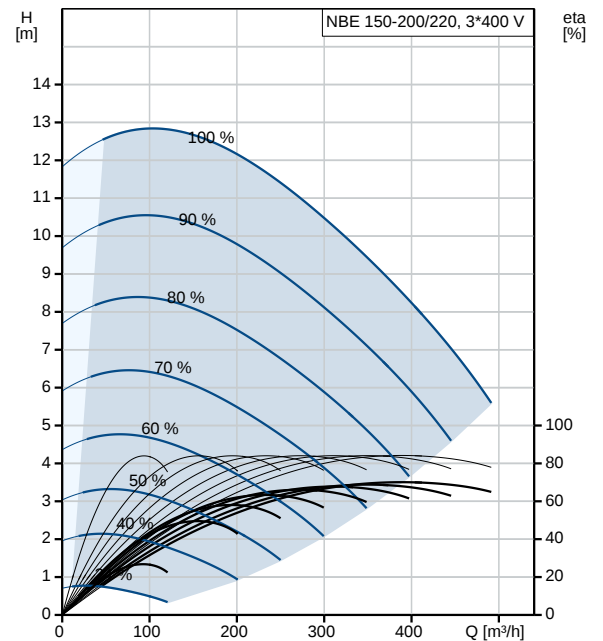
Position	Qty.	Description
	1	NBE 150-200/220 A-F-A-GQQE  Note! Product picture may differ from actual product Product No.: 96539220 Non-self priming, single-stage centrifugal pump according to DIN. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. The impeller is hydraulically as well as dynamically balanced. The pump has the following characteristics: - flange dimensions according to EN 1092-2, - Cast iron volute pump housing, - stainless steel shaft and Cast iron impeller and bronze wear rings, - unbalanced mechanical shaft seal according to EN 12756. The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required, as both motor and electronics are protected by integrated overload and temperature protection. An external sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required. A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX operation or to STOP. The control panel has indicator lights for "Operation" and "Fault". Communication with the pump is possible by means of Grundfos R100 Remote Control enabling further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption". The terminal box holds terminals for the connection of: - pump start/stop (potential-free contact), - external remote setpoint setting via analog signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA, - 5 V voltage supply for setpoint potentiometer, I_{max} = 5 mA, - sensor, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA, - 24 V voltage supply for sensor, I_{max} = 40 mA,

Position	Qty.	Description
		- input for forced control to MIN or MAX (potential-free contact), - potential-free fault signal relay with changeover contact, - RS485 GENIbus. Liquid: Pumped liquid: Water Liquid temperature range: -25 .. 90 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Speed for pump data: 1440 rpm Rated flow: 366 m³/h Rated head: 9.1 m Actual impeller diameter: 220 mm Impeller nom: 200 mm Primary shaft seal: GQQE Materials: Pump housing: Cast iron EN-JL1040 Impeller: Cast iron EN-JL1030 ASTM A48-30 B Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 10 bar Flange standard: DIN Pump inlet: DN 200 Pump outlet: DN 150 Pressure rating: PN 10 Electrical data: Motor type: 160M Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current: 21.8 A Cos phi - power factor: 0,93 Rated speed: 180-1440 rpm Number of poles: 4 Enclosure class (IEC 34-5): IP54 Insulation class (IEC 85): F Others: Net weight: 302 kg Gross weight: 323 kg Shipping volume: 0.96 m³

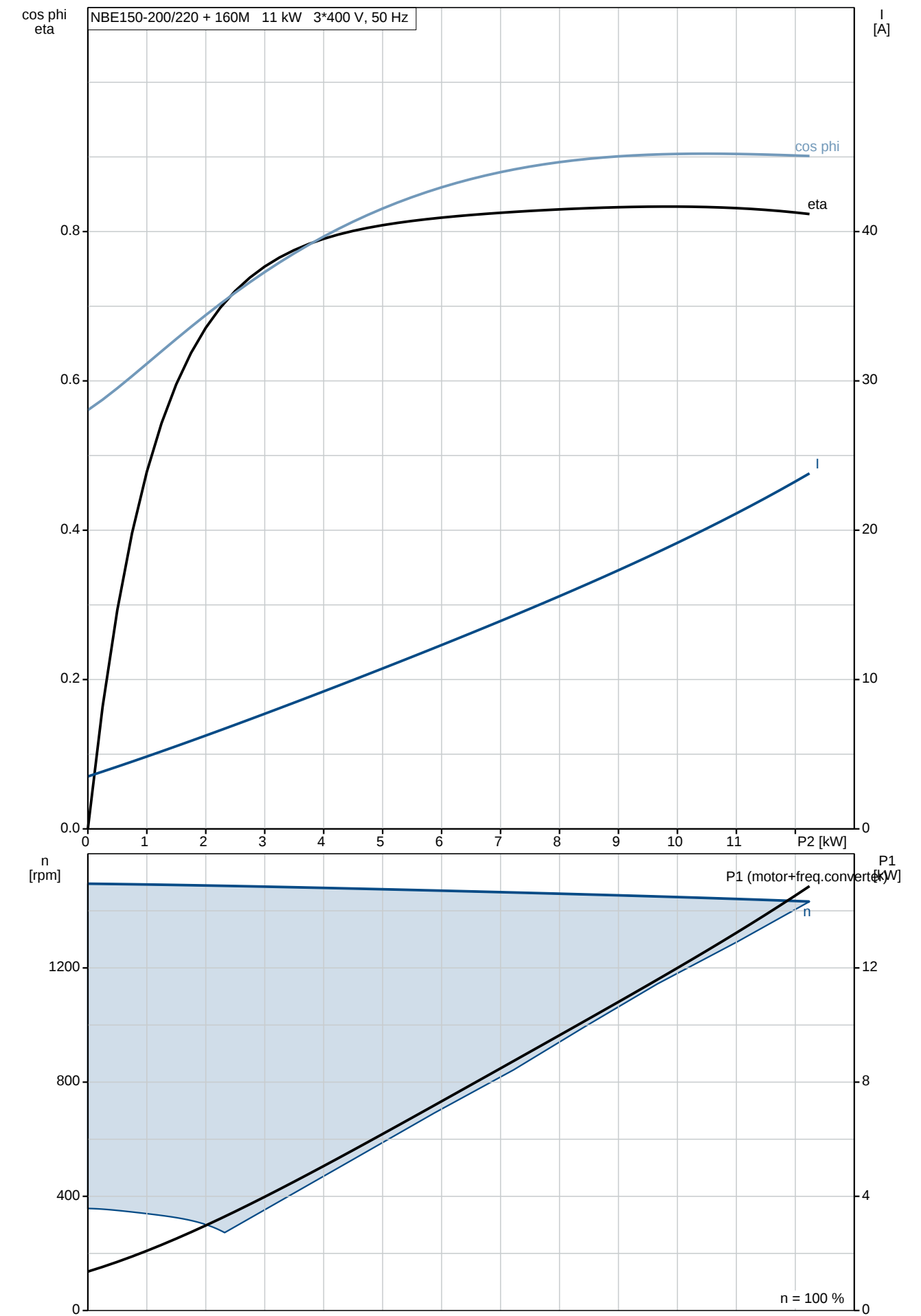
96539220 NBE 150-200/220 50 Hz



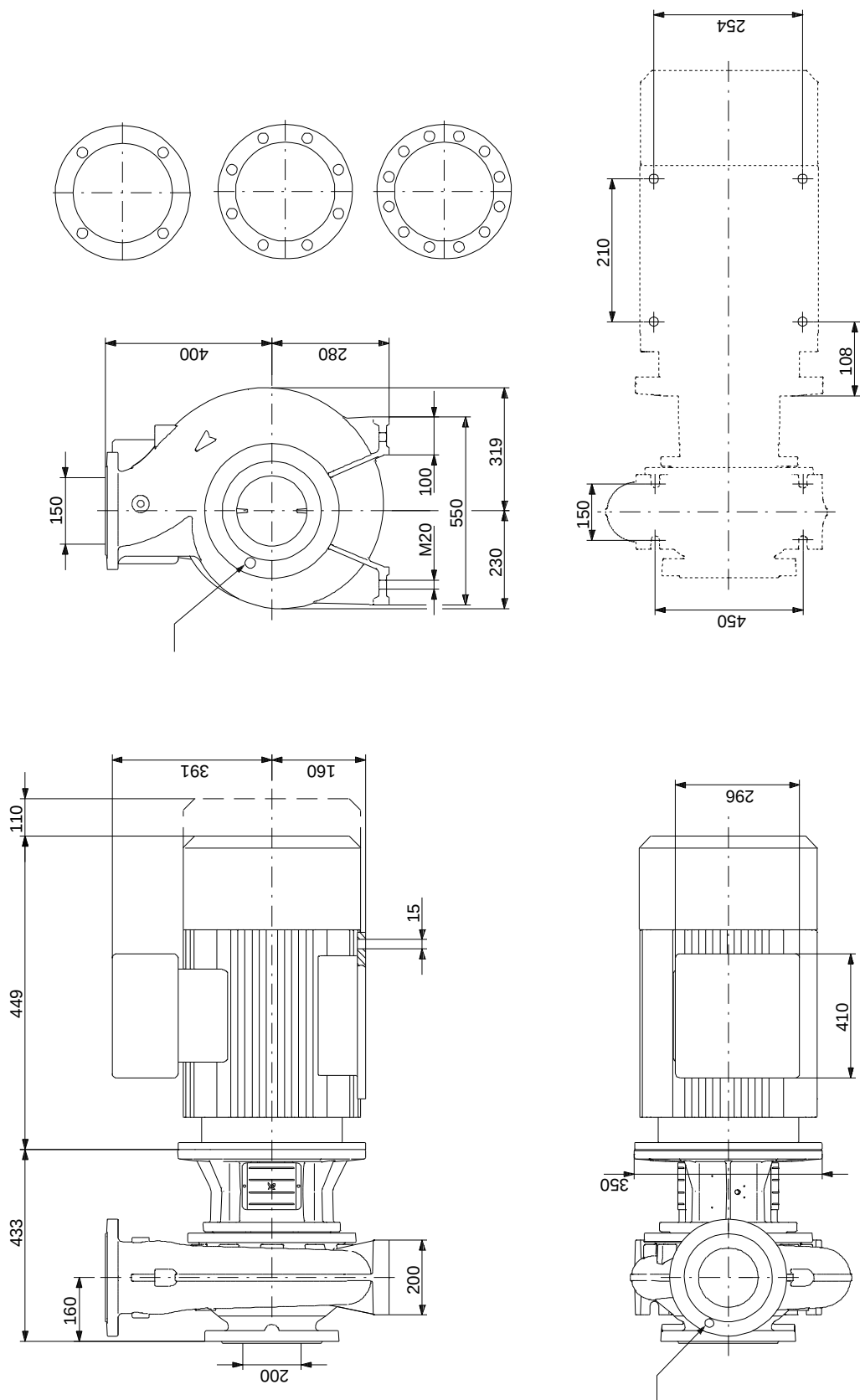
Description	Value
General information:	
Product name:	NBE 150-200/220
Product No:	A-F-A-GQQE
EAN number:	96539220
EAN number:	5700397662076
Technical:	
Speed for pump data:	1440 rpm
Rated flow:	366 m ³ /h
Rated head:	9.1 m
Actual impeller diameter:	220 mm
Impeller nom:	200 mm
Primary shaft seal:	GQQE
Pump version:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1040
Impeller:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Material code:	A
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	10 bar
Flange standard:	DIN
Connect code:	F
Pump inlet:	DN 200
Pump outlet:	DN 150
Pressure rating:	PN 10
Wear ring(s):	neckring(s)
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 90 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	160M
Rated power - P2:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current:	21.8 A
Cos phi - power factor:	0,93
Rated speed:	180-1440 rpm
Number of poles:	4
Enclosure class (IEC 34-5):	IP54
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	96078178
Mount. design. acc. IEC 34-7:	IM B35
Others:	
Net weight:	302 kg
Gross weight:	323 kg
Shipping volume:	0.96 m ³
Config. file no:	96078404



96539220 NBE 150-200/220 50 Hz



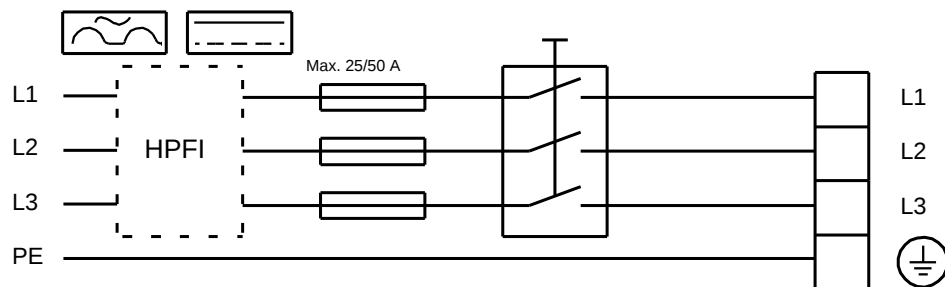
96539220 NBE 150-200/220 50 Hz



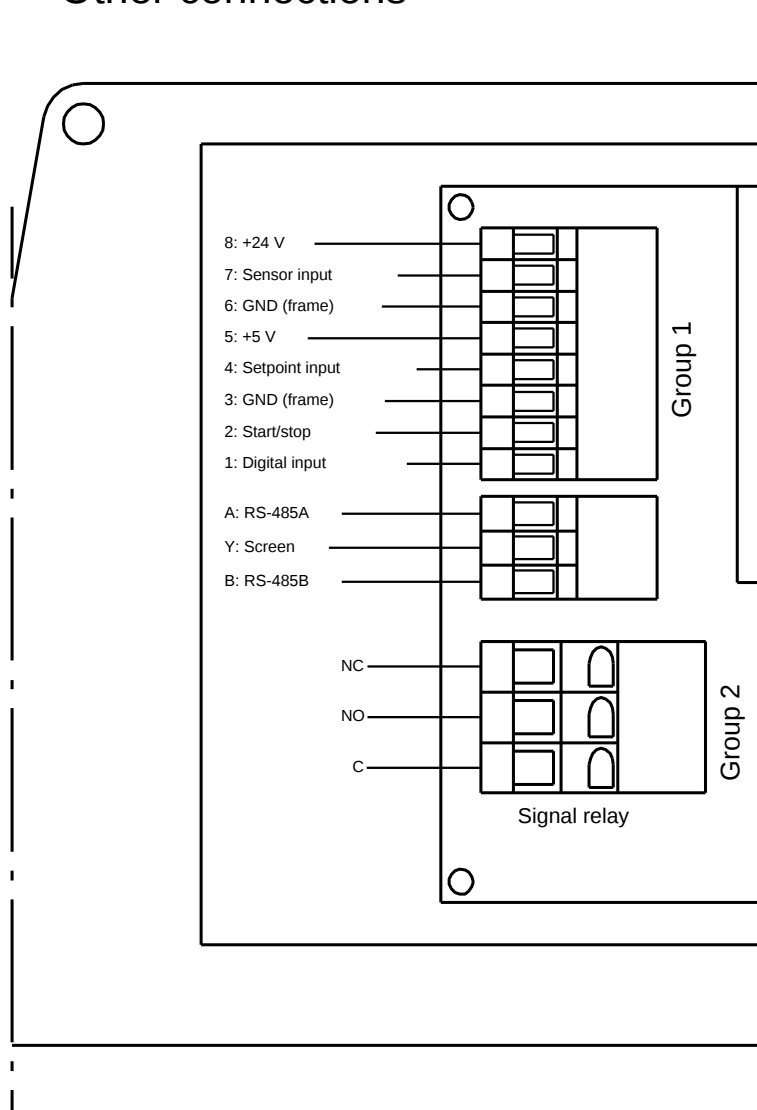
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

96539220 NBE 150-200/220 50 Hz

Mains connection



Other connections



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

*Disclaimer: The information about the Grundfos pump in this document may be outdated.
Data may be subject to alterations without further notice.
Please contact us to verify the data above is still accurate/up-to-date.*

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