

MTB 50-200/215 A-F-A-BQQV 400Y-4 3,0kW

Grundfos pump 96580728



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<https://www.lenntech.com/grundfos/MTB000/96580728/MTB-50-200-215-A-F-A-BQQV.html>

info@lenntech.com

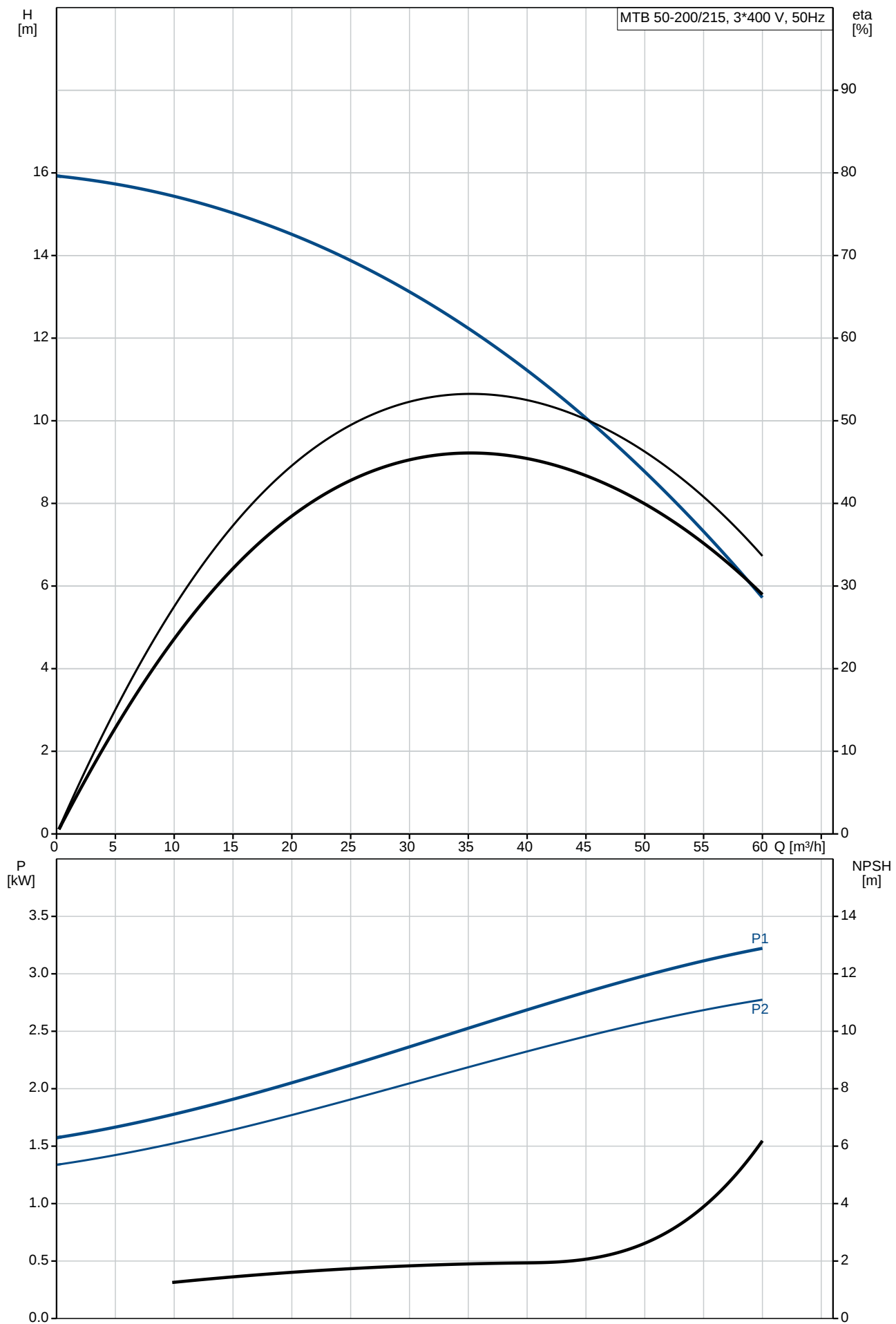
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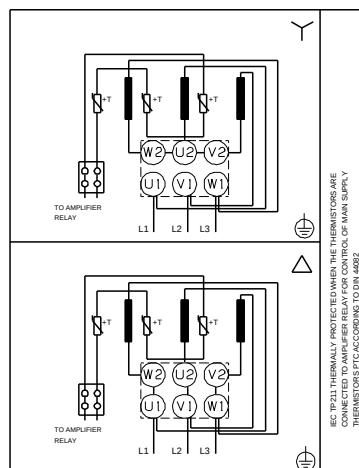
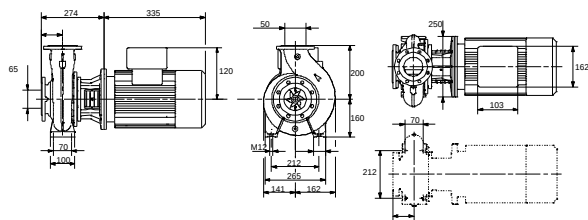
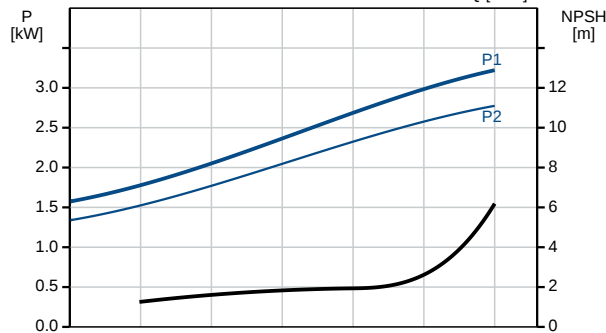
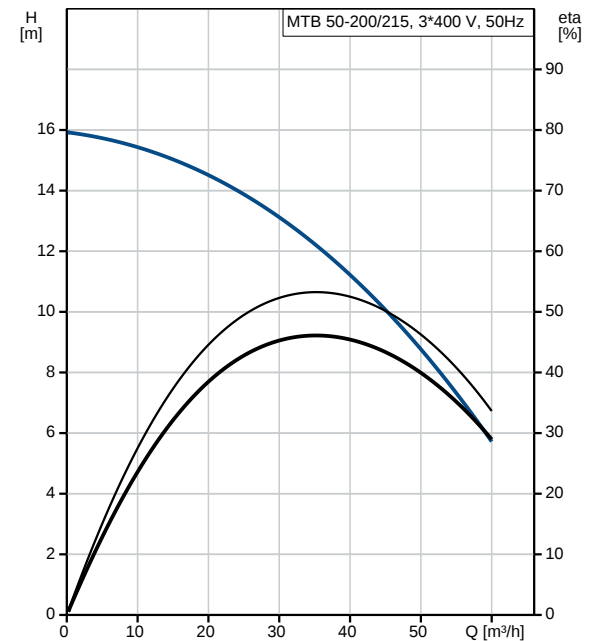
Position	Qty.	Description																																																												
	1	 Note! Product picture may differ from actual product Product No.: On request The MTB machine tool pumps are single-stage centrifugal pumps with axial suction port and radial discharge port. The pump is directly coupled with a totally enclosed fan-cooled standard motor. Main dimensions are according to IEC and DIN standards. The MTB pumps are designed specifically for the transfer of liquids containing solid particles in industrial machine tool applications. Typical applications include: • machining centres • cooling units • grinding machines • lathes • washing devices. Technical: <table><tr><td>Rated flow:</td><td>30 m³/h</td></tr><tr><td>Rated head:</td><td>13.1 m</td></tr><tr><td>Actual impeller diameter:</td><td>215 mm</td></tr><tr><td>Primary shaft seal:</td><td>BQQV</td></tr><tr><td>Curve tolerance:</td><td>ISO 9906:1999 Annex A</td></tr></table> Materials: <table><tr><td>Pump housing:</td><td>Cast iron EN-JL1040 ASTM A48-40 B</td></tr><tr><td>Impeller:</td><td>Cast iron EN-JL1030 ASTM A48-30 B</td></tr></table> Installation: <table><tr><td>Maximum ambient temperature:</td><td>60 °C</td></tr><tr><td>Maximum operating pressure:</td><td>16 bar</td></tr><tr><td>Flange standard:</td><td>DIN</td></tr><tr><td>Pump inlet:</td><td>DN 65</td></tr><tr><td>Pump outlet:</td><td>DN 50</td></tr><tr><td>Pressure rating:</td><td>PN 16</td></tr></table> Liquid: <table><tr><td>Pumped liquid:</td><td>Water</td></tr><tr><td>Liquid temperature range:</td><td>0 .. 90 °C</td></tr><tr><td>Liquid temperature during operation:</td><td>20 °C</td></tr><tr><td>Density:</td><td>998.2 kg/m³</td></tr></table> Electrical data: <table><tr><td>Motor type:</td><td>100LC</td></tr><tr><td>IE Efficiency class:</td><td>IE2</td></tr><tr><td>Rated power - P2:</td><td>3 kW</td></tr><tr><td>Mains frequency:</td><td>50 Hz</td></tr><tr><td>Rated voltage:</td><td>3 x 220-240 D/380-415 Y V</td></tr><tr><td>Rated current:</td><td>12.4/7.20 A</td></tr><tr><td>Starting current:</td><td>610-670 %</td></tr><tr><td>Cos phi - power factor:</td><td>0.77-0.70</td></tr><tr><td>Rated speed:</td><td>1440-1450 rpm</td></tr><tr><td>Efficiency:</td><td>IE2 85,5%</td></tr><tr><td>Motor efficiency at full load:</td><td>85.5 %</td></tr><tr><td>Motor efficiency at 3/4 load:</td><td>86 %</td></tr><tr><td>Motor efficiency at 1/2 load:</td><td>84.5 %</td></tr></table>	Rated flow:	30 m³/h	Rated head:	13.1 m	Actual impeller diameter:	215 mm	Primary shaft seal:	BQQV	Curve tolerance:	ISO 9906:1999 Annex A	Pump housing:	Cast iron EN-JL1040 ASTM A48-40 B	Impeller:	Cast iron EN-JL1030 ASTM A48-30 B	Maximum ambient temperature:	60 °C	Maximum operating pressure:	16 bar	Flange standard:	DIN	Pump inlet:	DN 65	Pump outlet:	DN 50	Pressure rating:	PN 16	Pumped liquid:	Water	Liquid temperature range:	0 .. 90 °C	Liquid temperature during operation:	20 °C	Density:	998.2 kg/m³	Motor type:	100LC	IE Efficiency class:	IE2	Rated power - P2:	3 kW	Mains frequency:	50 Hz	Rated voltage:	3 x 220-240 D/380-415 Y V	Rated current:	12.4/7.20 A	Starting current:	610-670 %	Cos phi - power factor:	0.77-0.70	Rated speed:	1440-1450 rpm	Efficiency:	IE2 85,5%	Motor efficiency at full load:	85.5 %	Motor efficiency at 3/4 load:	86 %	Motor efficiency at 1/2 load:	84.5 %
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Position	Qty.	Description
		Number of poles: 4 Enclosure class (IEC 34-5): 55 (Protect. water jets/dust) Insulation class (IEC 85): F Others: Net weight: 65 kg Gross weight: 86 kg

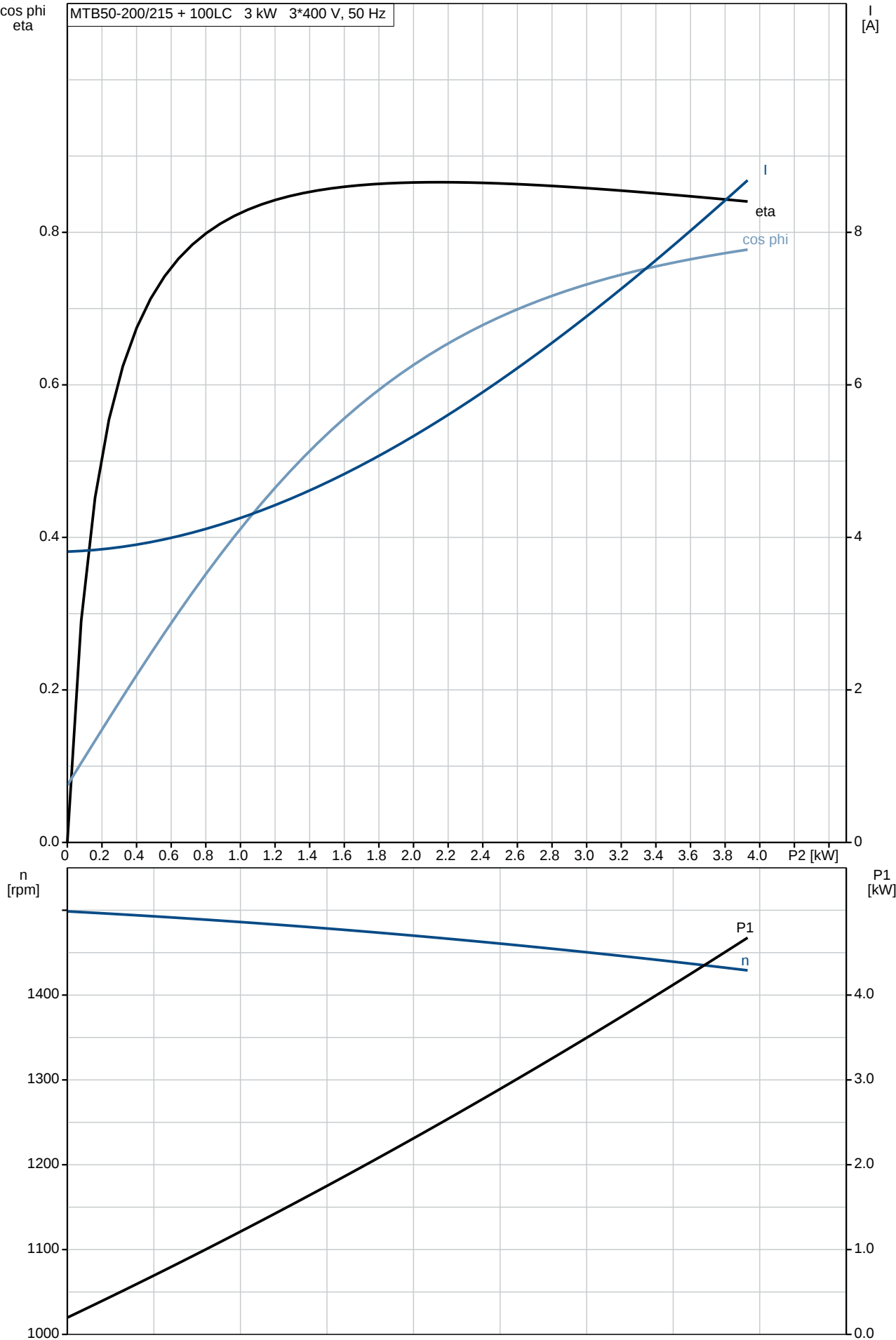
On request MTB 50-200/215 A-F-A-BQQV 50 Hz



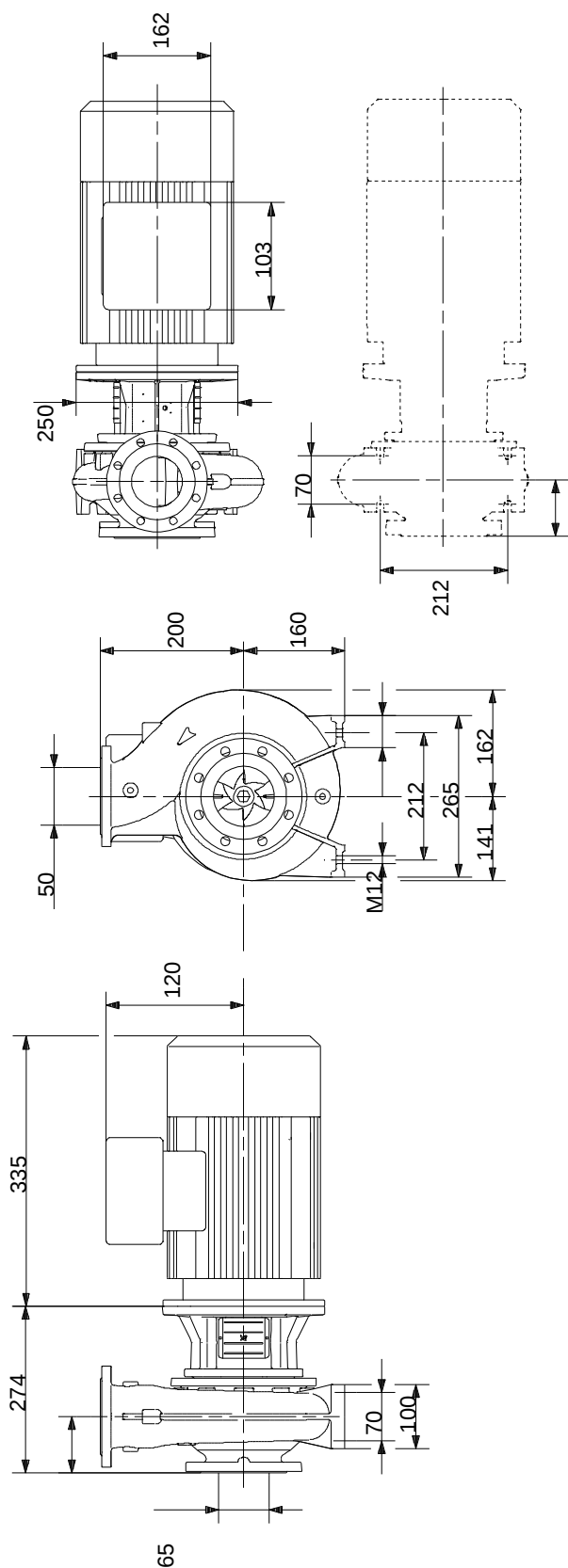
Description	Value
General information:	
Product name:	MTB 50-200/215 A-F-A-BQQV
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	30 m³/h
Rated head:	13.1 m
Actual impeller diameter:	215 mm
Primary shaft seal:	BQQV
Curve tolerance:	ISO 9906:1999 Annex A
Pump version:	A
Materials:	
Pump housing:	Cast iron EN-JL1040 ASTM A48-40 B
Impeller:	Cast iron EN-JL1030 ASTM A48-30 B
Material code:	A
Installation:	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Pump inlet:	DN 65
Pump outlet:	DN 50
Pressure rating:	PN 16
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	0 .. 90 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	100LC
IE Efficiency class:	IE2
Rated power - P2:	3 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240 D/380-415 Y V
Rated current:	12.4/7.20 A
Starting current:	610-670 %
Cos phi - power factor:	0.77-0.70
Rated speed:	1440-1450 rpm
Efficiency:	IE2 85,5%
Motor efficiency at full load:	85.5 %
Motor efficiency at 3/4 load:	86 %
Motor efficiency at 1/2 load:	84.5 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87264228
Motor range:	Standard
Others:	
Net weight:	65 kg
Gross weight:	86 kg



On request MTB 50-200/215 A-F-A-BQQV 50 Hz



On request MTB 50-200/215 A-F-A-BQQV 50 Hz



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

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
+	Motor				1	pcs

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.

All information is copyright Grundfos.



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