

MTB 65-160/171 A-F-A-BQQV 400D-2 7,5kW

Grundfos pump 96580750



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<https://www.lenntech.com/grundfos/MTB000/96580750/MTB-65-160-171-A-F-A-BQQV.html>

info@lenntech.com

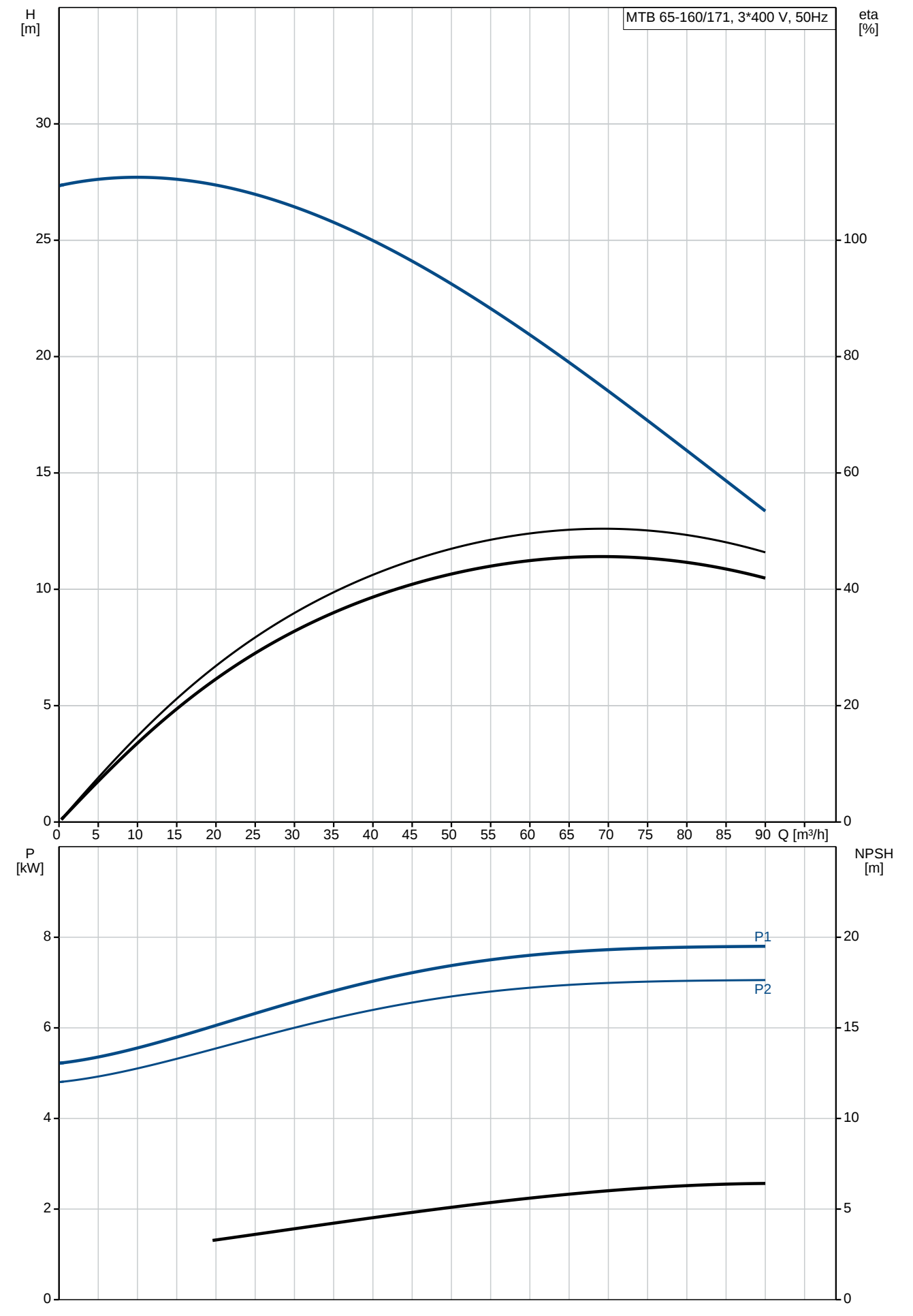
tel. +31 152 610 900

fax. +31 152 616 289

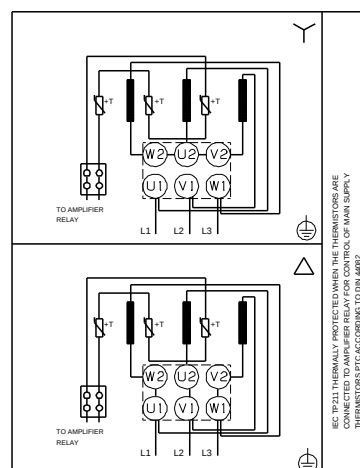
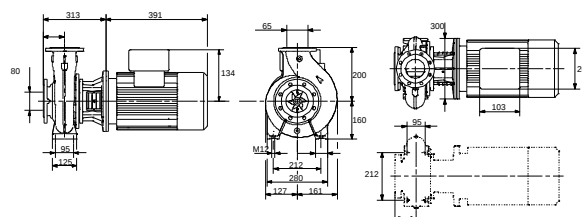
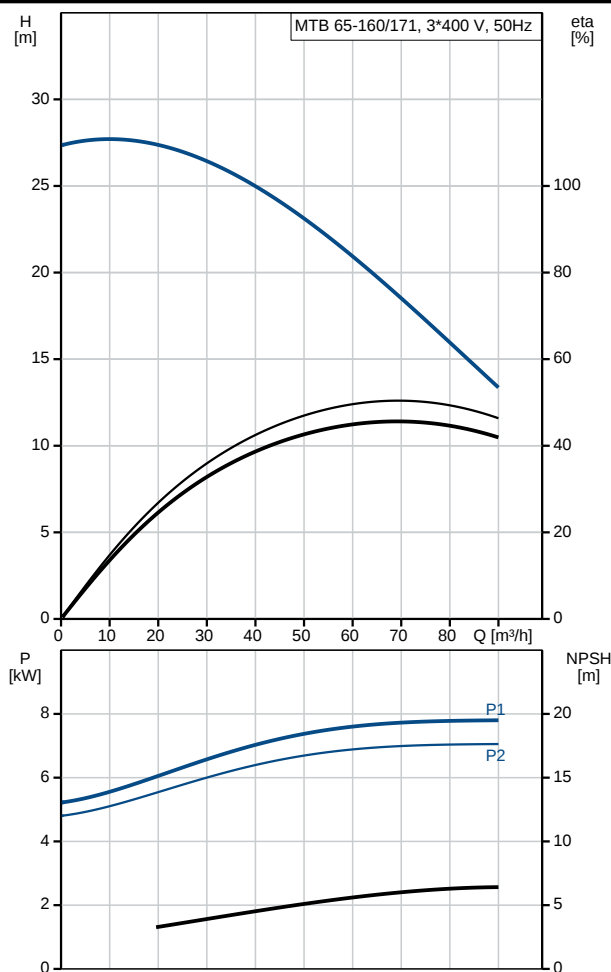
Position	Qty.	Description																																																												
	1	 Note! Product picture may differ from actual product Product No.: On request The MTB machine tool pumps are single-stage centrifugal pumps with axial suction port and radial discharge port. The pump is directly 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>60 m³/h</td></tr><tr><td>Rated head:</td><td>21.1 m</td></tr><tr><td>Actual impeller diameter:</td><td>171 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 80</td></tr><tr><td>Pump outlet:</td><td>DN 65</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>132SB</td></tr><tr><td>IE Efficiency class:</td><td>IE3</td></tr><tr><td>Rated power - P2:</td><td>7.5 kW</td></tr><tr><td>Mains frequency:</td><td>50 Hz</td></tr><tr><td>Rated voltage:</td><td>3 x 380-415 D/660-690 Y V</td></tr><tr><td>Rated current:</td><td>14,4-14,0/8,30-8,10 A</td></tr><tr><td>Starting current:</td><td>780-910 %</td></tr><tr><td>Cos phi - power factor:</td><td>0.88-0.86</td></tr><tr><td>Rated speed:</td><td>2910-2920 rpm</td></tr><tr><td>Efficiency:</td><td>IE3 90,1% - IE3 90,4%</td></tr><tr><td>Motor efficiency at full load:</td><td>90.1 %</td></tr><tr><td>Motor efficiency at 3/4 load:</td><td>90.8 %</td></tr><tr><td>Motor efficiency at 1/2 load:</td><td>90.8 %</td></tr></table>	Rated flow:	60 m³/h	Rated head:	21.1 m	Actual impeller diameter:	171 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 80	Pump outlet:	DN 65	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:	132SB	IE Efficiency class:	IE3	Rated power - P2:	7.5 kW	Mains frequency:	50 Hz	Rated voltage:	3 x 380-415 D/660-690 Y V	Rated current:	14,4-14,0/8,30-8,10 A	Starting current:	780-910 %	Cos phi - power factor:	0.88-0.86	Rated speed:	2910-2920 rpm	Efficiency:	IE3 90,1% - IE3 90,4%	Motor efficiency at full load:	90.1 %	Motor efficiency at 3/4 load:	90.8 %	Motor efficiency at 1/2 load:	90.8 %
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Position	Qty.	Description
		Number of poles: 2 Enclosure class (IEC 34-5): 55 (Protect. water jets/dust) Insulation class (IEC 85): F Others: Net weight: 85 kg Gross weight: 110 kg

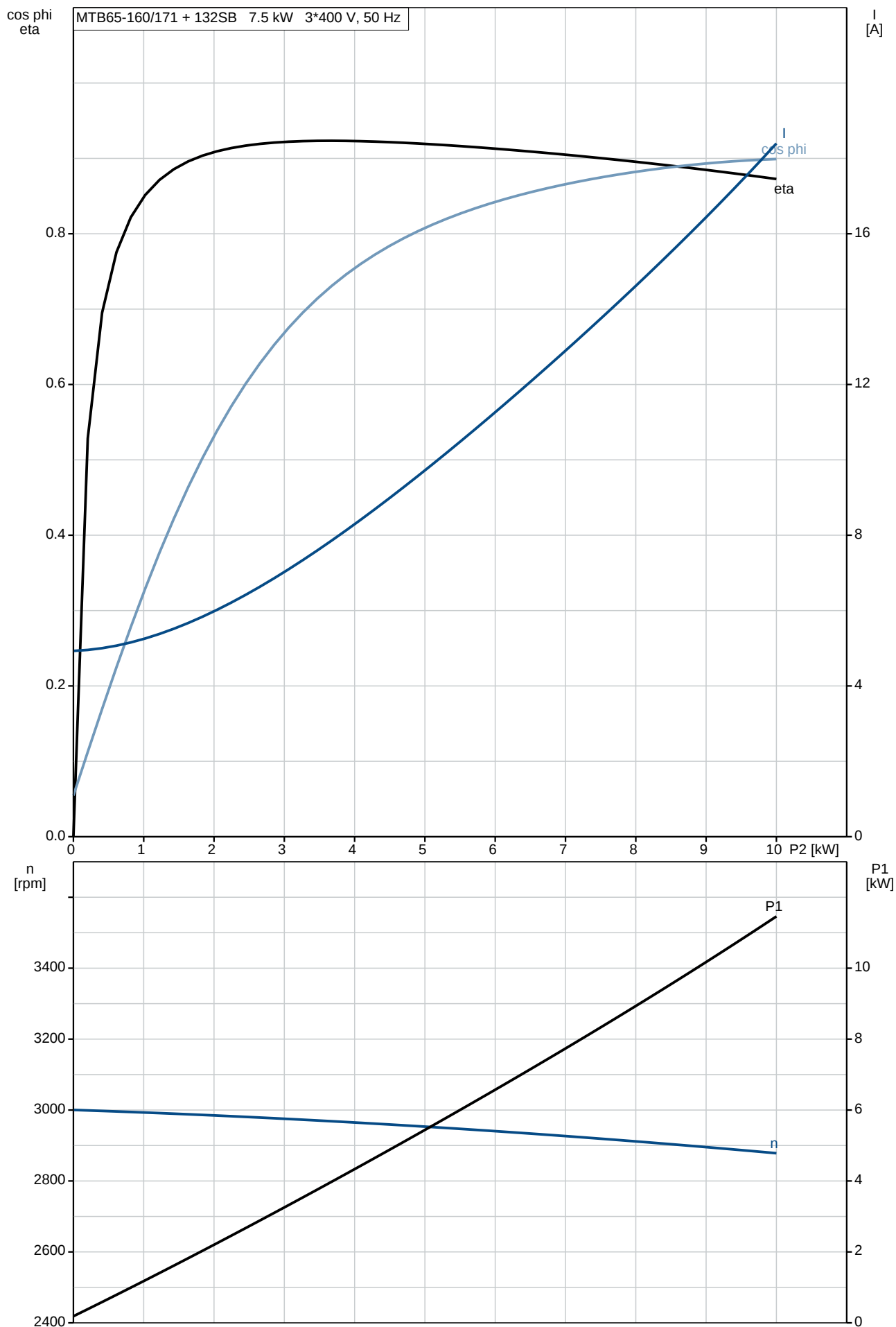
On request MTB 65-160/171 A-F-A-BQQV 50 Hz



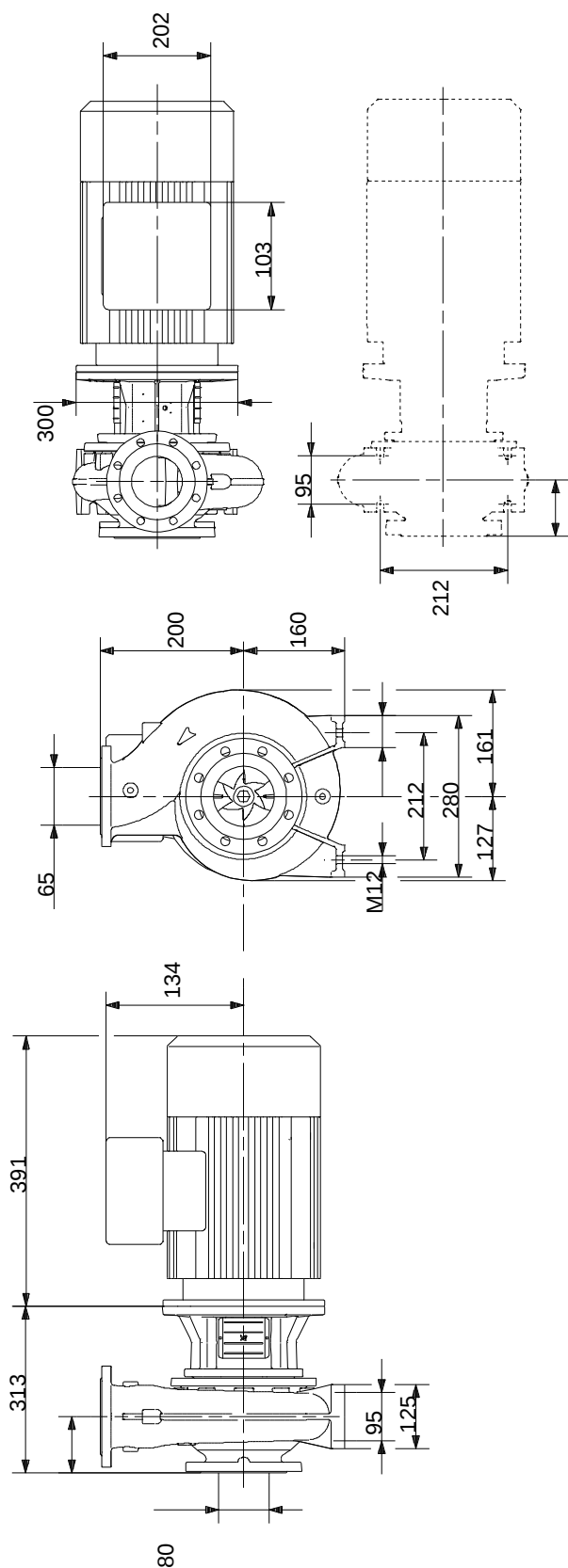
Description	Value
General information:	
Product name:	MTB 65-160/171 A-F-A-BQQV
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	60 m³/h
Rated head:	21.1 m
Actual impeller diameter:	171 mm
Primary shaft seal:	BQQV
Curve tolerance:	ISO 9906:1999 Annex A
Pump version:	A
Materials:	
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 80
Pump outlet:	DN 65
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:	132SB
IE Efficiency class:	IE3
Rated power - P2:	7.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 D/660-690 Y V
Rated current:	14,4-14,0/8,30-8,10 A
Starting current:	780-910 %
Cos phi - power factor:	0.88-0.86
Rated speed:	2910-2920 rpm
Efficiency:	IE3 90,1% - IE3 90,4%
Motor efficiency at full load:	90.1 %
Motor efficiency at 3/4 load:	90.8 %
Motor efficiency at 1/2 load:	90.8 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	87370232
Motor range:	Standard
Others:	
Net weight:	85 kg
Gross weight:	110 kg



On request MTB 65-160/171 A-F-A-BQQV 50 Hz



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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)



Parts list MTB 65-160/171, Product No. On request
Valid from 13.7.2013 (1328)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
+	Motor				1	pcs
-	Motor stool cpl.				1	pcs
2	Motor stool				1	
7	Coupling guard				2	
9	Socket set screw				2	
11	Parallel key				1	
17	Air vent screw				1	
28a	Hex head screw		Length (mm): 50 MM		4	
			Thread: M12			
51	Stub shaft				1	
66a	Nut		Thread: M12		4	
77a	Pan head screw				4	
-	Pump housing cpl.				1	pcs
6	Pump housing				1	
19	Pipe plug		Thread: R 3/8		2	
36	Nut		Thread: M10		6	
-	Impeller cpl.				1	pcs
49	Impeller		Outer diameter: 171		1	
66	Washer		Designation: DIN 125 A2		1	
			Internal diameter: 19			
			Outer diameter: 34			
			Thickness: 3			
66a	Spring lock washer				1	
67	Nut		Thread: M18		1	
103	Bush		Height: 25 MM		1	
105	Shaft seal				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.

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info@lenntech.com

<https://www.lenntech.com>

tel. +31 152 610 900

fax. +31 152 616 289