

Position	Count	Description	Unit price
	1	22 BMQE 05A-80 Product No.: 91128527 There are many applications within water supply where it is necessary to increase the system pressure. The Grundfos EZ Boost system is the optimum solution for applications requiring: • Sealless pumps • Quiet operation and/or • Maintenance-free operation. The EZ Boost system offers the following features: • Dry-running protection • High efficiency of pump and motor • Excellent wear resistance • Soft starter • Over voltage and under voltage protection • Overload protection • Over temperature protection. • Variable speed • Electronic control and communication. Applications • Pressure boosting. • Water treatment. BMQE Pump The pumps used for The Grundfos EZ Boost system are modified SQE submersible pumps. The EZ Boost BMQE pump is an SQE pump with an MSE 3 motor. Pump and motor are centered in the 4" stainless steel sleeve. BMQE pumps are suitable for both continuous and intermittent operation for a variety of pressure boosting applications. BMQE Motor The MSE 3 motors are based on state-of-the-art technology within permanent magnets (PM motor), which accounts for the high motor efficiencies. In addition, the motors have a built-in electronic unit with a frequency converter for variable frequency and soft starting. The MSE 3 motors features high efficiency within a wide load range. The high and flat efficiency curve of the PM motor enables the same motor to cover a wide power range as opposed to conventional AC motors. For BMQE pumps, this means fewer motor variants. EZ Boost Controller The BMQE pump features variable speed which is offered	On request

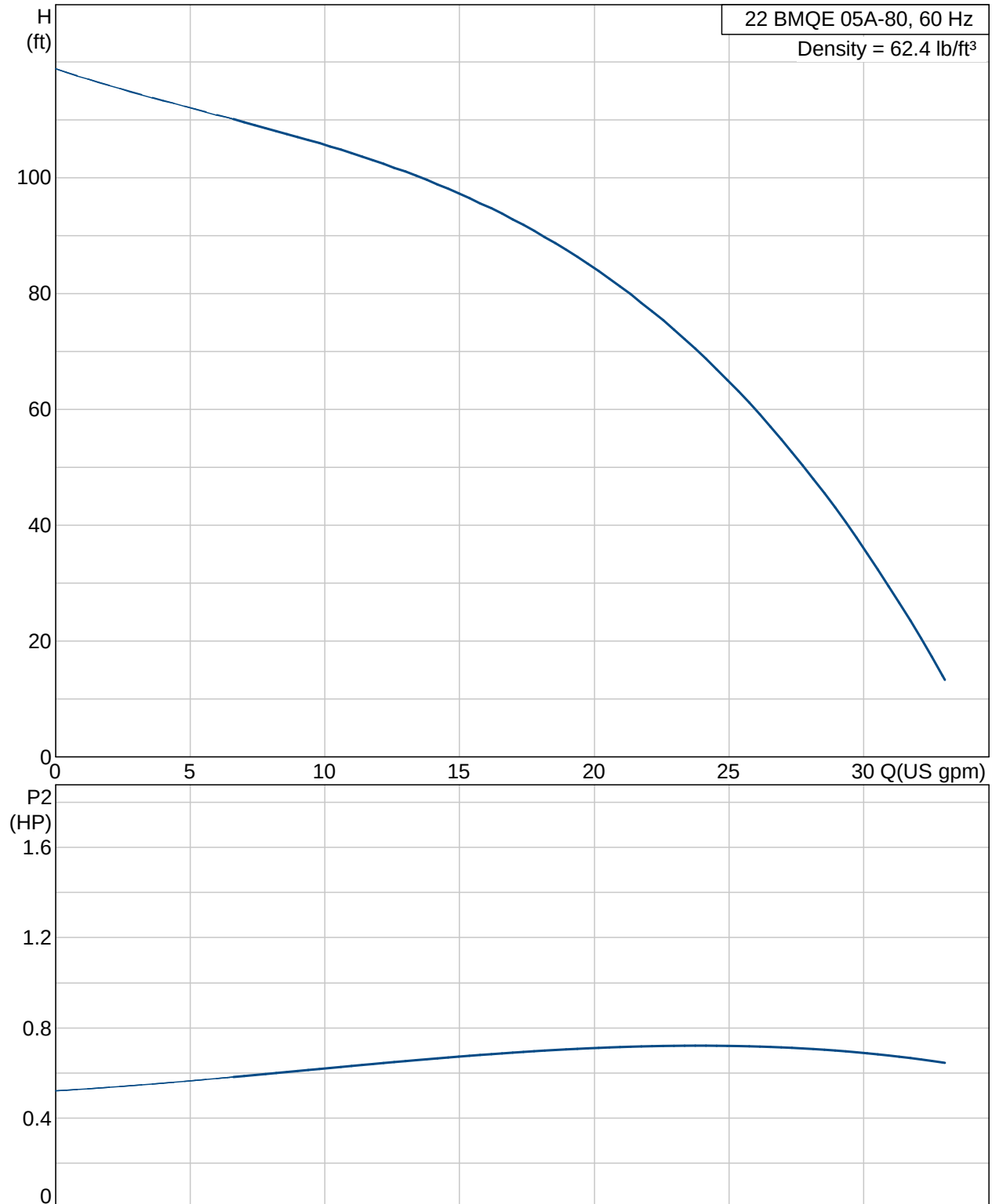
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		through frequency control via the EZ Boost controller. As a consequence, the pump can be set to operate in any duty point in the range between the minimum and maximum performance curves of the pump. Each BMQE pump must be connected to its own EZ Boost controller. It is also possible to operate the BMQE without an EZ Boost controller, though the features offered will be fewer. Operating conditions Flow: Max. 39 US GPM (8.9 m3/h) Head: Max. 300 ft (91.4 m) Temperature: Max. 95°F (35°C) Operating pressure: Max. 347 PSI (23 bar) Inlet pressure: Min. 8 PSI (0.55 bar) Sound-pressure level: The sound pressure level of the BMQE is lower than 74 db[A] at a distance of 3 feet (1 meter).	



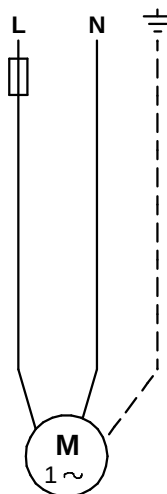
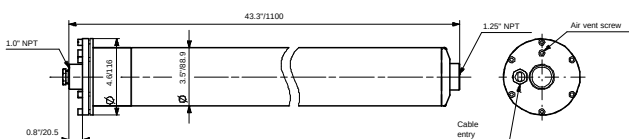
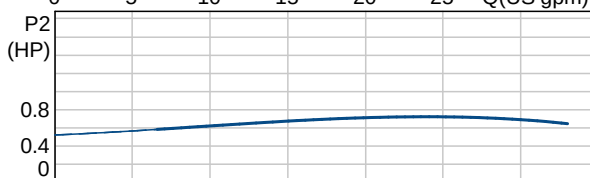
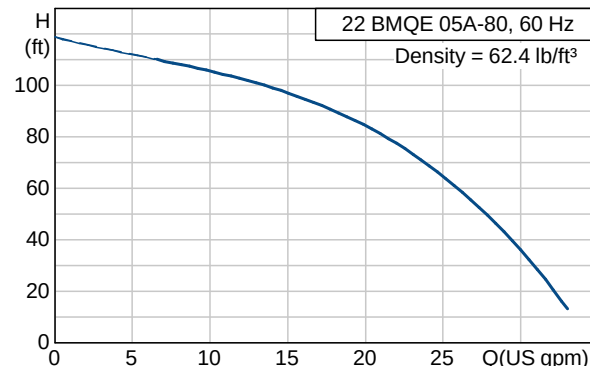
Position	Count	Description	Unit price
	1	22 BMQE 05A-80  Product photo could vary from the actual product Product No.: 91128527 There are many applications within water supply where it is necessary to increase the system pressure. The Grundfos EZ Boost system is the optimum solution for applications requiring: • Sealless pumps • Quiet operation and/or • Maintenance-free operation. The EZ Boost system offers the following features: • Dry-running protection • High efficiency of pump and motor • Excellent wear resistance • Soft starter • Over voltage and under voltage protection • Overload protection • Over temperature protection. • Variable speed • Electronic control and communication. Applications • Pressure boosting. • Water treatment. BMQE Pump The pumps used for The Grundfos EZ Boost system are modified SQE submersible pumps. The EZ Boost BMQE pump is an SQE pump with an MSE 3 motor. Pump and motor are centered in the 4" stainless steel sleeve. BMQE pumps are suitable for both continuous and intermittent operation for a variety of pressure boosting applications.	On request

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91128527 22 BMQE 05A-80 60 Hz

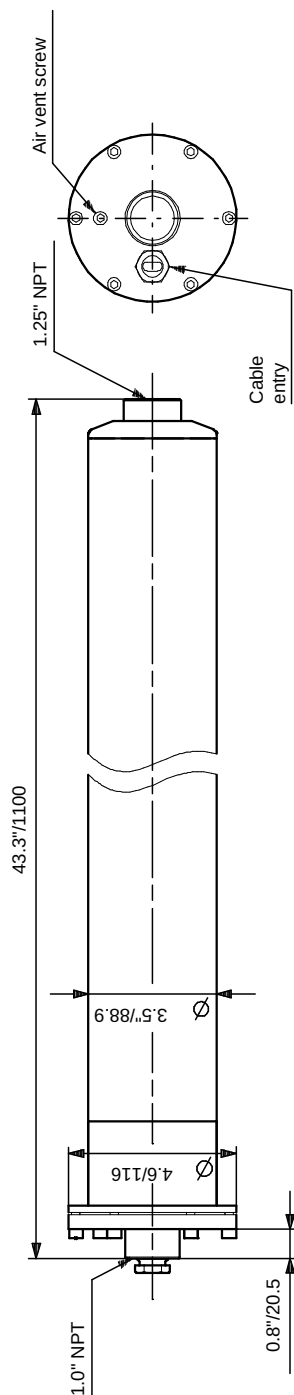


Description	Value
Product name:	22 BMQE 05A-80
Product Number:	91128527
EAN number:	5700396363325
Technical:	
Rated flow:	22 US gpm
Rated head:	75.5 ft
Maximum operating pressure	334 psi
Approvals on motor nameplate:	CE,UL,CUL
Pump Number:	96397440
Stages:	2
Model:	B
Materials:	
Pump:	Polyethylene / Stainless steel DIN W.-Nr. 1.4301 AISI 304
Motor:	Stainless steel DIN W.-Nr. 1.4301 AISI 304
Sleeve:	Stainless steel DIN W.-Nr. 1.4401 AISI 316
Rubber:	NBR
Installation:	
Maximum operating pressure	334 psi
Maximum inlet pressure	7.98 psi
Pump inlet:	1,25" NPT
Pump outlet:	1,0" NPT
Liquid:	
Maximum liquid temperature:	95 °F
Max liquid temperature at 0.15 m/sec	95 °F
Electrical data:	
Motor type:	MSE3
Power input - P1:	1.09 kW
Rated power - P2:	0.939 HP
Main frequency:	60 Hz
Rated voltage:	1 x 100-120 V
Start. method:	direct-on-line
Service factor:	1,60
Rated current:	12 A
Power factor:	1,00
Rated speed:	10700 rpm
Enclosure class (IEC 34-5):	58
Insulation class (IEC 85):	F
Motor protection:	Y
Thermal protec:	internal
Length of cable:	4.92 ft
Motor Number:	96160552
Controls:	
CU 300/CU 301:	communication with CU 300/CU 301 possible
Others:	
Net weight:	26.5 lb
Shipping volume:	0.88 ft³
Sales region:	Namreg





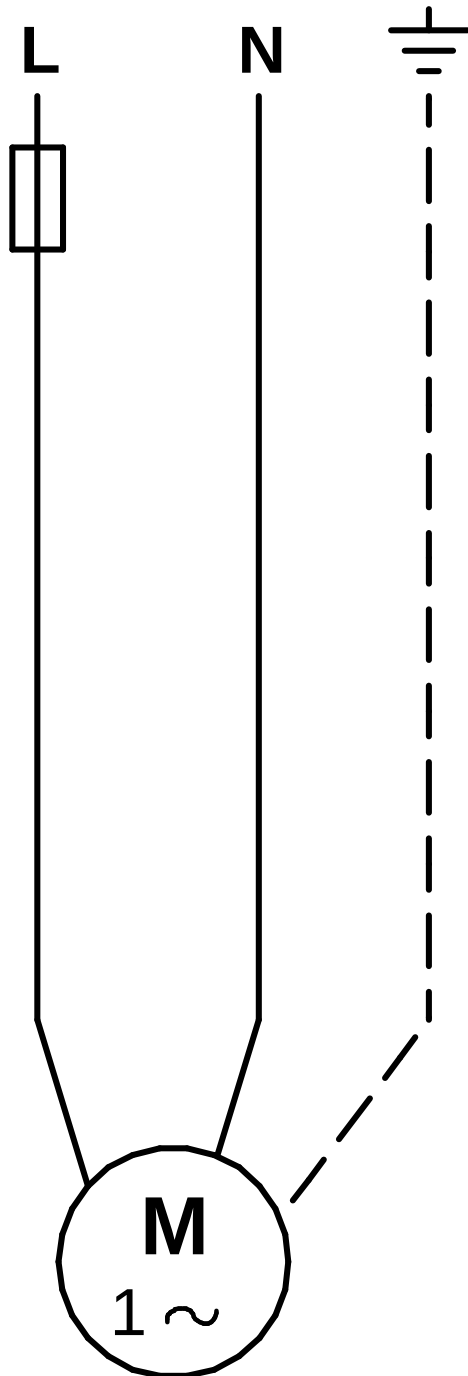
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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.



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