

Position	Count	Description	Unit price
	1	<p>15 BMQE 05A-110 Product No.: 91128524</p> <p>There are many applications within water supply where it is necessary to increase the system pressure.</p> <p>The Grundfos EZ Boost system is the optimum solution for applications requiring:</p> <ul style="list-style-type: none"> • Sealless pumps • Quiet operation and/or • Maintenance-free operation. <p>The EZ Boost system offers the following features:</p> <ul style="list-style-type: none"> • 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. <p>Applications</p> <ul style="list-style-type: none"> • Pressure boosting. • Water treatment. <p>BMQE Pump</p> <p>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.</p> <p>BMQE Motor</p> <p>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.</p> <p>EZ Boost Controller</p> <p>The BMQE pump features variable speed which is offered</p>	On request



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		<p>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.</p> <p>It is also possible to operate the BMQE without an EZ Boost controller, though the features offered will be fewer.</p> <p>Operating conditions</p> <p>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).</p>	



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	1	<p>15 BMQE 05A-110</p> <div data-bbox="354 367 730 793" data-label="Image"> </div> <p data-bbox="738 766 1234 793">Product photo could vary from the actual product</p> <p data-bbox="354 823 609 850">Product No.: 91128524</p> <p data-bbox="354 877 966 934">There are many applications within water supply where it is necessary to increase the system pressure.</p> <p data-bbox="354 961 1291 991">The Grundfos EZ Boost system is the optimum solution for applications requiring:</p> <ul data-bbox="354 1024 673 1108" style="list-style-type: none"> • Sealless pumps • Quiet operation and/or • Maintenance-free operation. <p data-bbox="354 1138 933 1167">The EZ Boost system offers the following features:</p> <ul data-bbox="354 1201 820 1453" style="list-style-type: none"> • 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. <p data-bbox="354 1480 487 1509">Applications</p> <ul data-bbox="354 1543 576 1600" style="list-style-type: none"> • Pressure boosting. • Water treatment. <p data-bbox="354 1627 495 1656">BMQE Pump</p> <p data-bbox="354 1684 958 1879">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.</p>	On request



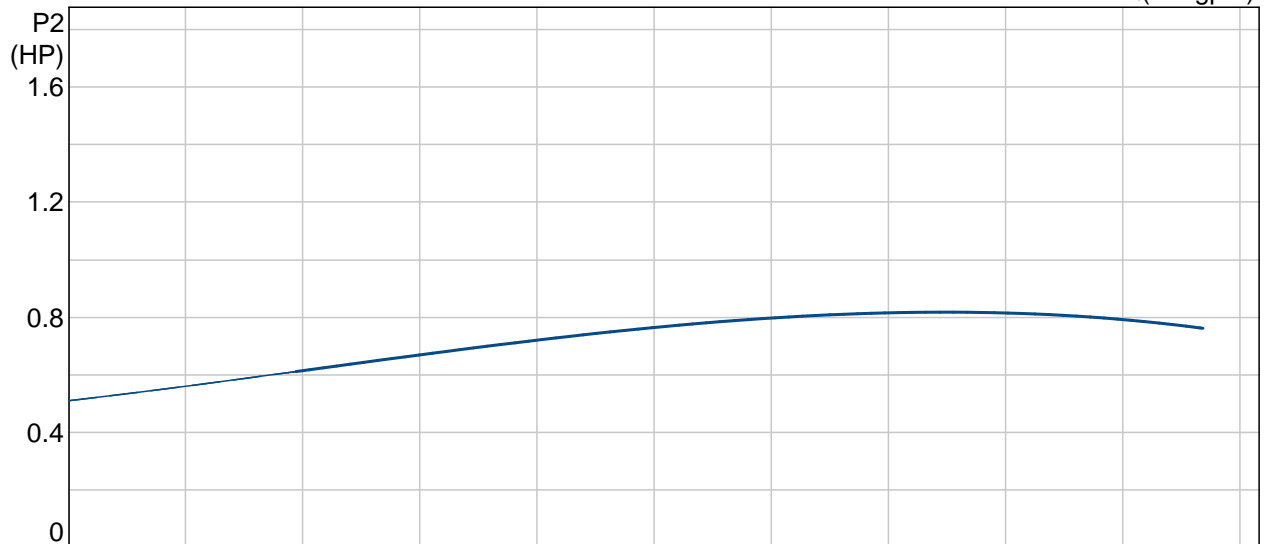
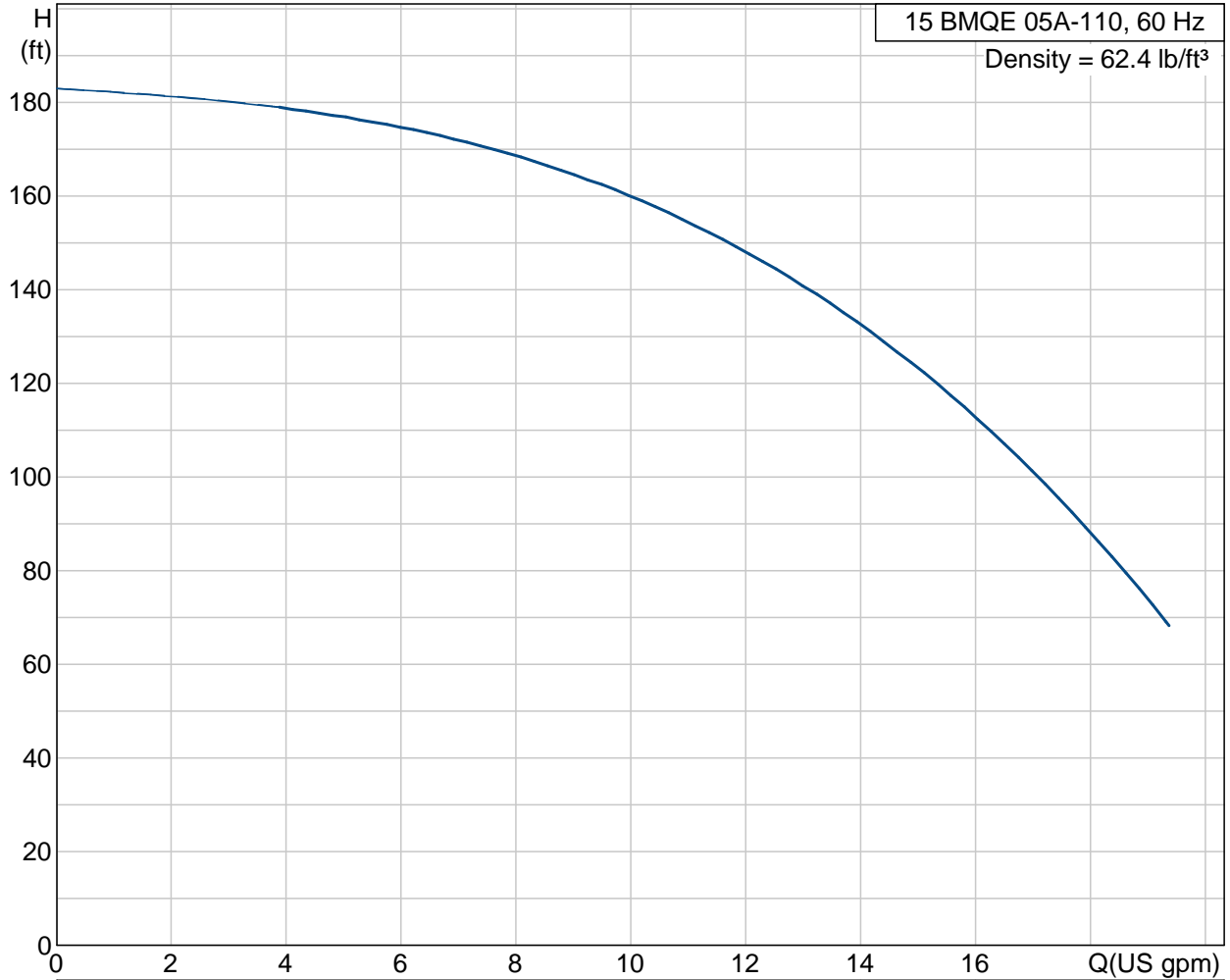
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Position	Count	Description	Unit price
		<p>BMQE Motor</p> <p>The MSE 3 motors are based on state-of-the-art technology within permanent magnets (PM motor), which accounts for the high motor efficiencies. In addition, the motors have a built-in electronic 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.</p> <p>EZ Boost Controller</p> <p>The BMQE pump features variable speed which is offered 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.</p> <p>Operating conditions</p> <p>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).</p>	

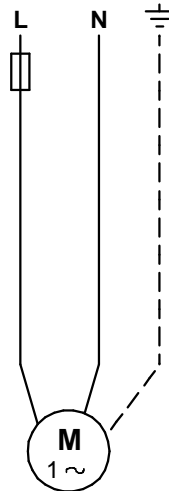
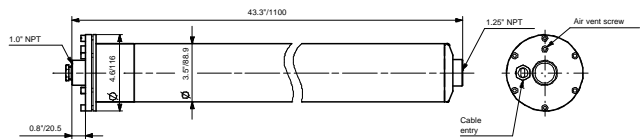
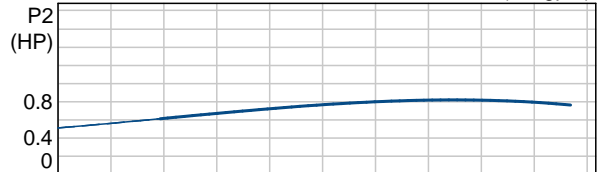
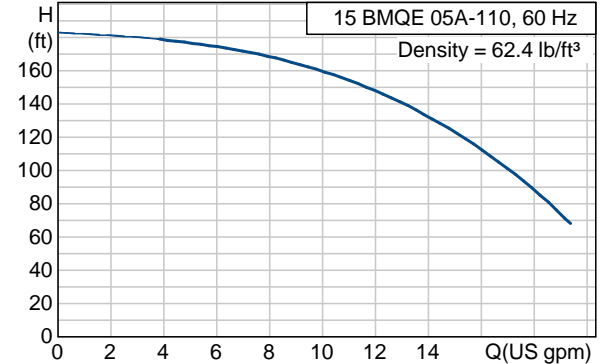


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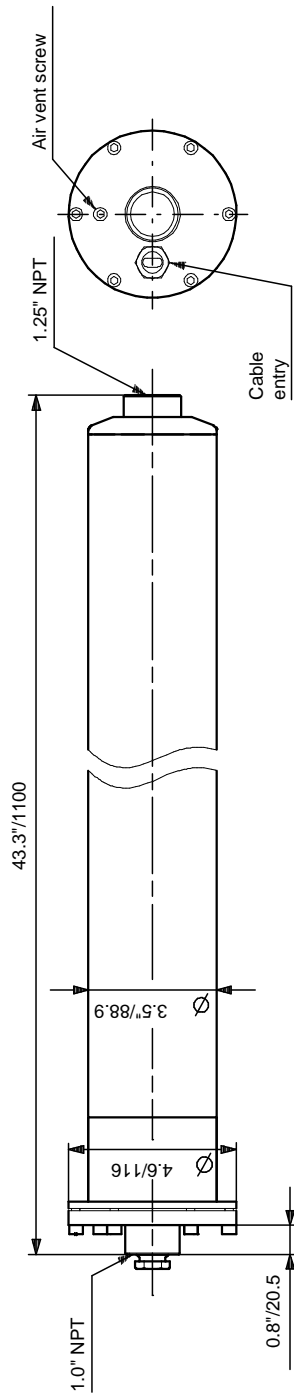
91128524 15 BMQE 05A-110 60 Hz



Description	Value
Product name:	15 BMQE 05A-110
Product Number:	91128524
EAN number:	5700396314105
Technical:	
Rated flow:	13.2 US gpm
Rated head:	138 ft
Maximum operating pressure	334 psi
Approvals on motor nameplate:	CE,UL,CUL
Pump Number:	96397438
Stages:	3
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

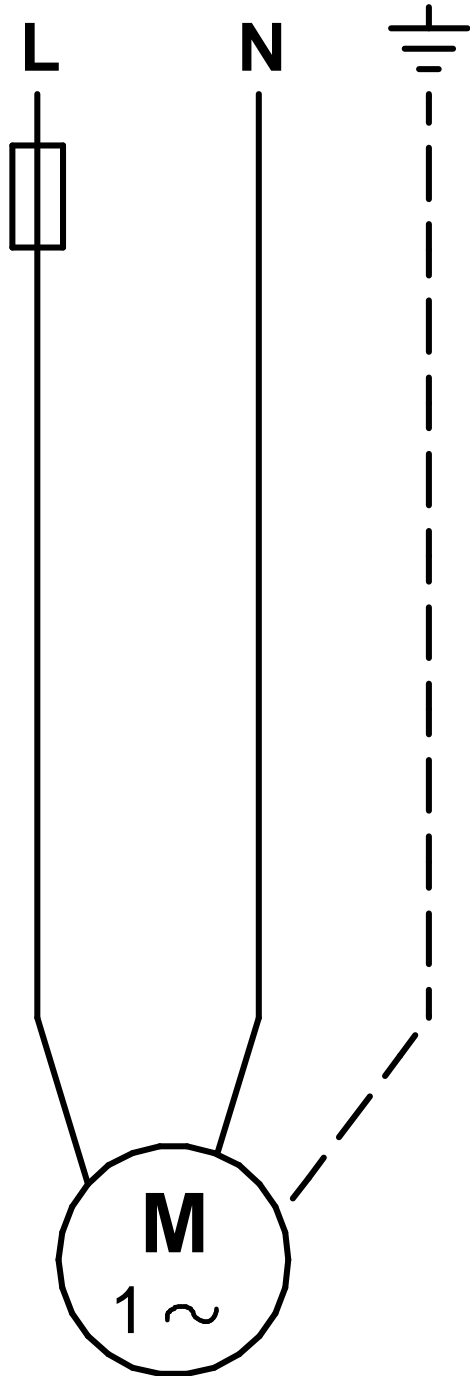


91128524 15 BMQE 05A-110 60 Hz



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

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