

Date: 28/01/2025

Qty. | Description

1 BM 30-23 NBR



Note! Product picture may differ from actual product

Product No.: 98490840

BM is an encapsulated submersible pump that is suitable for applications where a high pressure is required. Therefore, BM is ideal for water treatment, liquid transfer, pressure boosting and closed circulation systems with a high static pressure.

BM pumps are available in four different versions (standard, N-version, NE-version, and R-version), in various sizes, and with a large variety in the number of impellers.

The range covers BM 3A to BM 215, a total of twelve sizes.

Depending on its size and frequency, a BM pump can reach a flow rate of 265 or 310 m3/h.

BM pumps can increase the system pressure up to 82.7 bar.

The pump is supplied with an asynchronous motor, Victaulic connections, a straight or 90° bent pipe for BM 3A, BM 5A and BM 9 pumps and a straight pipe for BM 18 and above.

The motor is protected by output filters against overvoltage and increased operating temperature.

As a result, BM is very reliable and durable.

The compact design ensures easy maintenance and alignment of the pump.

The stainless-steel pump and motor housing ensure an excellent resistance against different types of liquids. The R-version is designed to be highly efficient against corrosive liquids.

Three different types of asynchronous motors are available for BM pumps: MS 4000, MS 6000 and MMS 8000.

The enclosure class is IP68.

The motor power ranges from 0.75 to 92 kW.

The motor is controlled by a frequency converter and protected by Pt100 sensors.

The frequency converter is sold as a separate accessory and must be purchased along with the pump.

We recommend a Grundfos CUE frequency converter; however, frequency converters from alternative suppliers can be used as well.

Liquid:

Pumped liquid: Water
Maximum liquid temperature: 104 °F
Selected liquid temperature: 68 °F
Density: 62.29 lb/ft³

Technical:

Rated flow: 159 US GPM Rated head: 355 psi

Curve tolerance: ISO9906:2012 3B

Materials:

Pump: Stainless steel

DIN W.-Nr. 1.4301

AISI 304

Impeller: Stainless steel

EN 1.4301 AISI 304



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Motor: Stainless steel

DIN W.-Nr. 1.4301

AISI 304

Sleeve: Stainless steel

AISI 304 EN 1.4301

Installation:

Maximum operating pressure: 1199.46 psi
Maximum permissible inlet pressure: 725.19 psi
Maximum outlet pressure: 1189.31 psi
Pipe connection standard: PJE
Pipe connection: 89 mm

Electrical data:

Rated power - P2: 40 HP Mains frequency: 60 Hz

Rated voltage: 3 x 440-460-480 V

Service factor: 1.15

Rated current: 65.0-62.0-61.0 A

Maximum current consumption: 65 A

Starting current: 470-520-560 %
Cos phi - power factor: 0.88-0.86-0.84
Start. method: direct-on-line

Enclosure class (IEC 34-5): IP66
Built-in temp. transmitter: yes
Motor No: 78195020

Others:

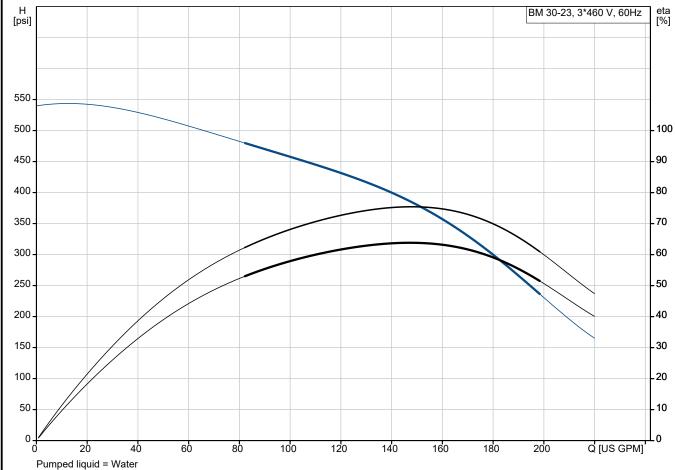
Minimum efficiency index, MEI ≥: 0.50
Net weight: 408 lb
Gross weight: 574 lb
Shipping volume: 24.5 ft³
Country of origin: DK

Custom tariff no.: 8413.70.2004

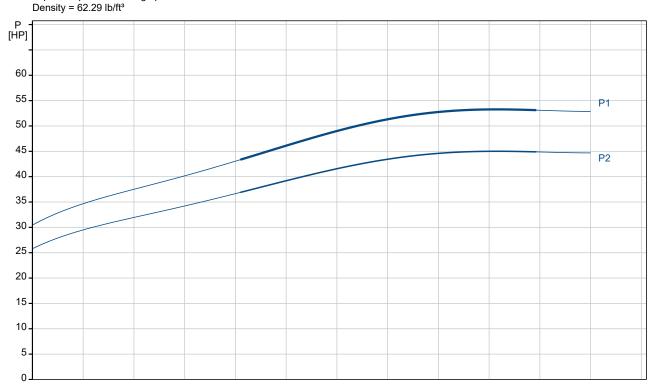


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98490840 BM 30-23 NBR 60 Hz



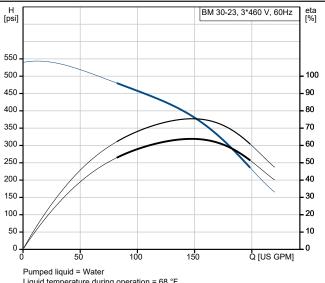
Liquid temperature during operation = 68 °F



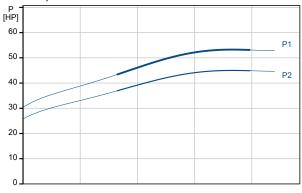


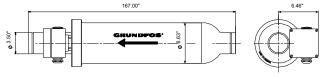
28/01/2025 Date:

Description Value General information: BM 30-23 NBR Product No: 98490840 EAN number: 5711496030642 Technical: Stainless Rated flow: 159 US GPM Rated head: 355 psi Stages: 23 Curve tolerance: ISO9906:2012 3B Model: E Materials: Pump: Pump: DIN WNr. 1.4301 Pump: AISI 304 Impeller: Stainless steel Impeller: AISI 304 Motor: Stainless steel Motor: AISI 304 Sleeve: Stainless steel Impeller: AISI 304 Motor: AISI 304 Sleeve: Stainless steel Impeller: AISI 304 Motor: AISI 304 <		
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Maximum outlet pressure: 1189.31 psi Pipe connection standard: PJE Pipe connection: 89 mm Liquid: Water Pumped liquid: Water Maximum liquid temperature: 68 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Electrical data: Rated power - P2: 40 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Shipping volume: 24.5 ft³ Country of origin: DK		·
Pipe connection: 89 mm Liquid: Pumped liquid: Water Maximum liquid temperature: 104 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Electrical data: Rated power - P2: 40 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		•
Pipe connection: Liquid: Pumped liquid: Maximum liquid temperature: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Service factor: Rated current: Maximum current consumption: Starting current: Cos phi - power factor: Built-in temp. transmitter: Motor No: Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Country of origin: Water Water Water Ho4 °F 89 mm 89 mm Water Water Water Water 404 °F 68 °F 62.29 lb/ft³ 40 HP 4	·	•
Liquid:WaterMaximum liquid temperature:104 °FSelected liquid temperature:68 °FDensity:62.29 lb/ft³Electrical data:80 HPRated power - P2:40 HPMains frequency:60 HzRated voltage:3 x 440-460-480 VService factor:1.15Rated current:65.0-62.0-61.0 AMaximum current consumption:65 AStarting current:470-520-560 %Cos phi - power factor:0.88-0.86-0.84Start. method:direct-on-lineEnclosure class (IEC 34-5):IP66Thermal protec:externalBuilt-in temp. transmitter:yesMotor No:78195020Others:Minimum efficiency index, MEI ≥:0.50Net weight:408 lbGross weight:574 lbShipping volume:24.5 ft³Country of origin:DK	•	· •=
Pumped liquid:WaterMaximum liquid temperature:104 °FSelected liquid temperature:68 °FDensity:62.29 lb/ft³Electrical data:40 HPMains frequency:60 HzMated voltage:3 x 440-460-480 VService factor:1.15Rated current:65.0-62.0-61.0 AMaximum current consumption:65 AStarting current:470-520-560 %Cos phi - power factor:0.88-0.86-0.84Start. method:direct-on-lineEnclosure class (IEC 34-5):IP66Thermal protec:externalBuilt-in temp. transmitter:yesMotor No:78195020Others:Minimum efficiency index, MEI ≥:0.50Net weight:408 lbGross weight:574 lbShipping volume:24.5 ft³Country of origin:DK	·	00 111111
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Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Electrical data: 40 HP Rated power - P2: 40 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		
Density: 62.29 lb/ft³ Electrical data: 840 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		** * *
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Rated power - P2: 40 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK	-	02.23 IB/IC
Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 65.0-62.0-61.0 A Maximum current consumption: 65 A Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		40 HP
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Starting current: 470-520-560 % Cos phi - power factor: 0.88-0.86-0.84 Start. method: direct-on-line Enclosure class (IEC 34-5): IP66 Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		
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Thermal protec: external Built-in temp. transmitter: yes Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		
Built-in temp. transmitter: Motor No: 78195020 Others: Minimum efficiency index, MEI ≥: Net weight: Gross weight: Shipping volume: Country of origin: yes 78195020 0.50 408 lb 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		
Motor No:78195020Others:Minimum efficiency index, MEI ≥:0.50Net weight:408 lbGross weight:574 lbShipping volume:24.5 ft³Country of origin:DK		
Others:Minimum efficiency index, MEI ≥:0.50Net weight:408 lbGross weight:574 lbShipping volume:24.5 ft³Country of origin:DK		•
Minimum efficiency index, MEI ≥: 0.50 Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		78195020
Net weight: 408 lb Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK		0.50
Gross weight: 574 lb Shipping volume: 24.5 ft³ Country of origin: DK	-	
Shipping volume: 24.5 ft³ Country of origin: DK	_	
Country of origin: DK	_	
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Custom tariff no.: 8413.70.2004		DK
	Custom tariff no.:	8413.70.2004



Pumped liquid = Water Liquid temperature during operation = 68 °F Density = 62.29 lb/ft³

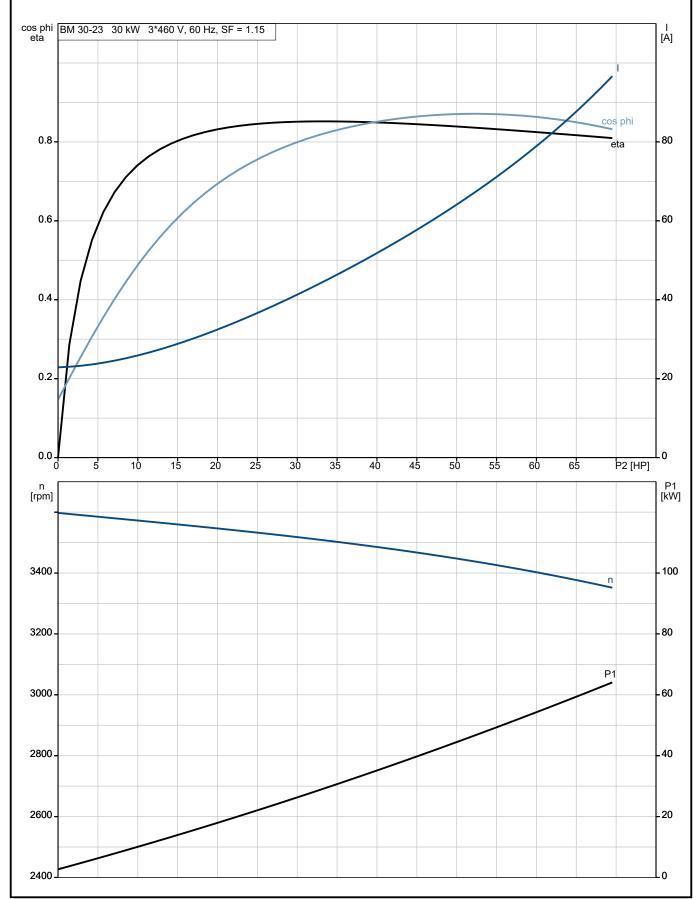






Date: 28/01/2025

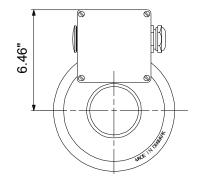
98490840 BM 30-23 NBR 60 Hz

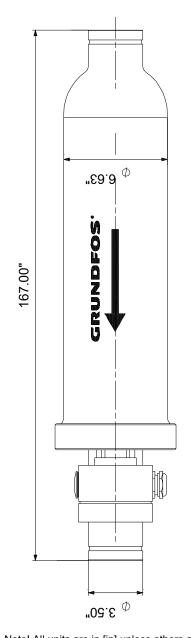




28/01/2025 Date:

98490840 BM 30-23 NBR 60 Hz





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