

Submersible Drainage Pump J 10B MEX (MSHA)

Specification

MSHA (Mining Safety Health Administration) approved
D.O.E.R. (Pennsylvania Department of Environmental Resources) approved.

Applications

Includes gassy coal mines, tunnels, strip mines and quarries where MSHA permissibility is required.
Guaranteed to run dry.

Technical Data

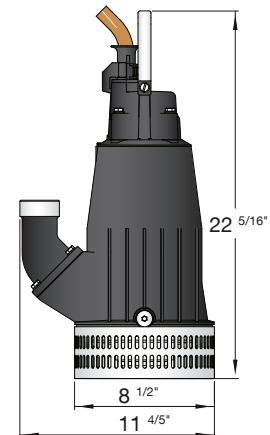
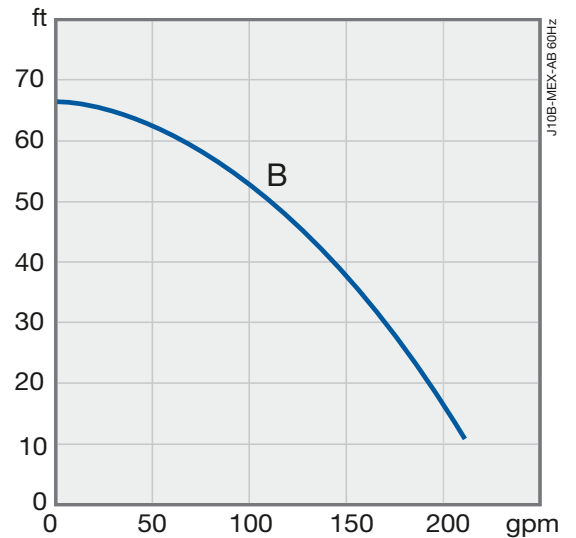
Motor Rating:	1.8 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3450 rpm
Voltage (V):	Dual 230/460 or 575
Full Load Amps (A):	Dual 7.0/3.5 or 2.8

Physical Data

Power Cable:	AWG 12/8 SOOW 90 MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Lip seal; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Single row ball bearing
Weight w/Cables:	125 lbs (61kg)
Discharge Size:	NPSH 2"; NPT 3"
Solids Size:	5/8"

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



Submersible Drainage Pump J 20 MEX (MSHA)

Specification

MSHA (Mining Safety Health Administration) approved
D.O.E.R. (Pennsylvania Department of Environmental Resources) approved.

Applications

Includes gassy coal mines, tunnels, strip mines and quarries where MSHA permissibility is required.
Guaranteed to run dry.

Technical Data

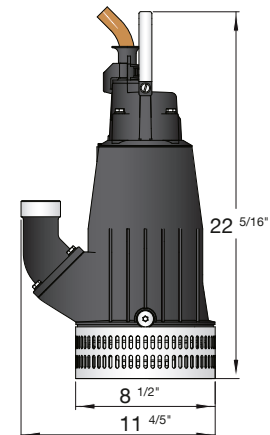
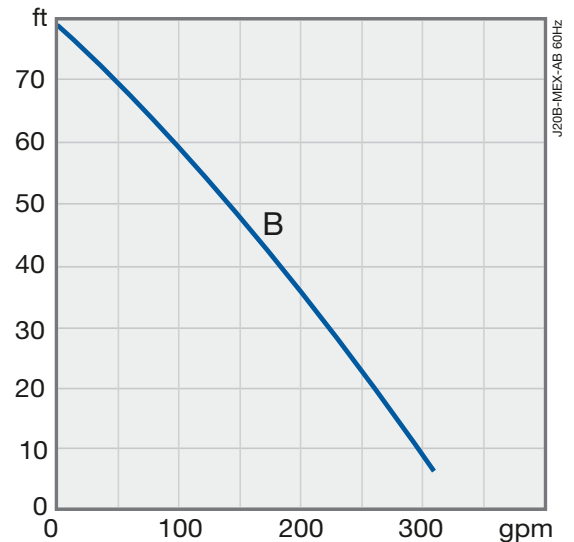
Motor Rating:	3.6 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3450 rpm
Voltage (V):	460 or 575
Full Load Amps (A):	5.4 or 4.3

Physical Data

Power Cable:	AWG 12/8 SOOW 90 MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Lip seal; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Single row ball bearing
Weight w/Cables:	135 lbs
Discharge Size:	NPSH 2"; NPT 3"
Solids Size:	5/8"

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



Submersible Drainage Pump

J 50 MEX (MSHA)

Specification

MSHA (Mining Safety Health Administration) approved
D.O.E.R. (Pennsylvania Department of Environmental Resources) approved.

Applications

Includes gassy coal mines, tunnels, strip mines and quarries where MSHA permissibility is required.
Guaranteed to run dry.

Technical Data

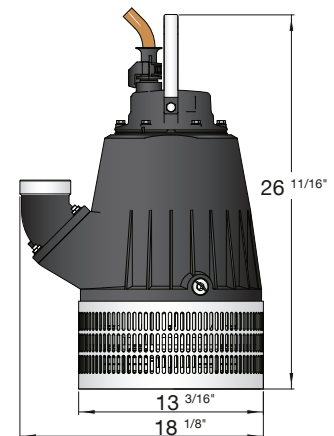
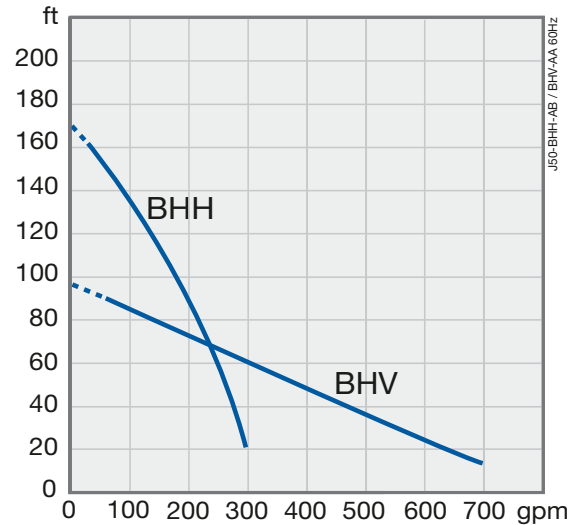
Motor Rating:	8.2 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3450 rpm
Voltage (V):	460 or 575
Full Load Amps (A):	10.3 or 8.2

Physical Data

Power Cable:	AWG 12/8 SOOW 90 MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Lip seal; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Double row angular contact ball bearing
Weight w/Cables:	143 lbs
Discharge Size:	NPSH 3"; NPT 4"
Solids Size:	1/2" High head

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



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Submersible Drainage Pump

J 80 MEX (MSHA)

Specification

MSHA (Mining Safety Health Administration) approved
D.O.E.R. (Pennsylvania Department of Environmental Resources) approved.

Applications

Includes gassy coal mines, tunnels, strip mines and quarries where MSHA permissibility is required.
Guaranteed to run dry.

Technical Data

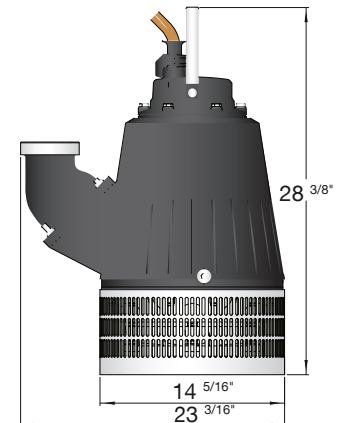
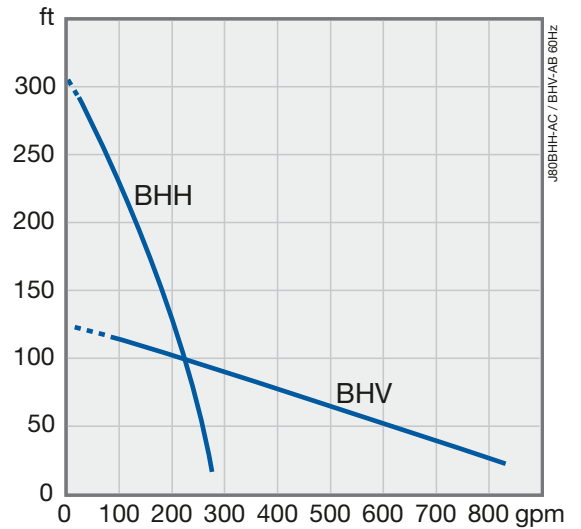
Motor Rating:	13.6 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3450 rpm
Voltage (V):	460 or 575
Full Load Amps (A):	16.2 or 13.0

Physical Data

Power Cable:	AWG 12/8 SOOW 90 MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Lip seal; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Double row angular contact ball bearing
Weight w/Cables:	200 lbs
Discharge Connection:	Thread NPT 3", 6"
Free Passage:	¼" x 1 5/16"

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



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Submersible Drainage Pump

J 200 MEX (MSHA)

Specification

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Technical Data

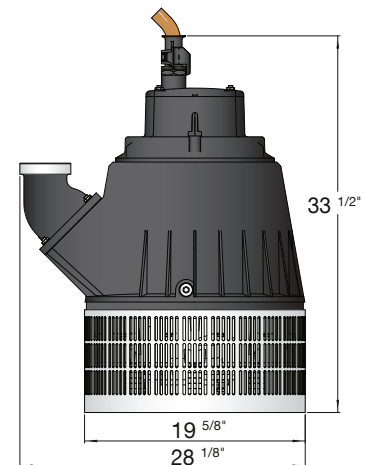
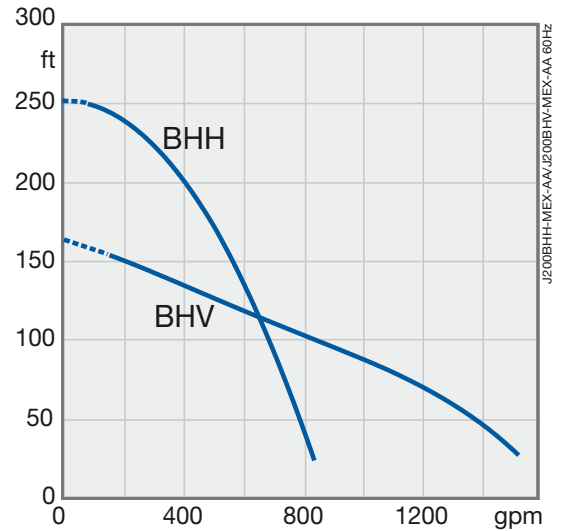
Motor Rating:	31.3 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3450 rpm
Voltage (V):	460 or 575
Full Load Amps (A):	38.2 or 30.5

Physical Data

Power Cable:	AWG 8/4 + 10/4 GGC, Hypalon, MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Chrome Steel/Carbon; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Double row angular contact ball bearing
Weight w/Cables:	425 lbs
Discharge Connection:	Thread NPT 4", 6"
Free Passage:	¼" x 2"

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



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Submersible Drainage Pump

J 350 MEX (MSHA)

Specification

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Technical Data

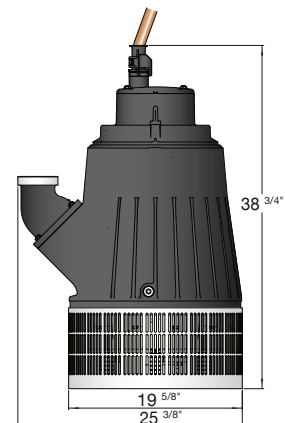
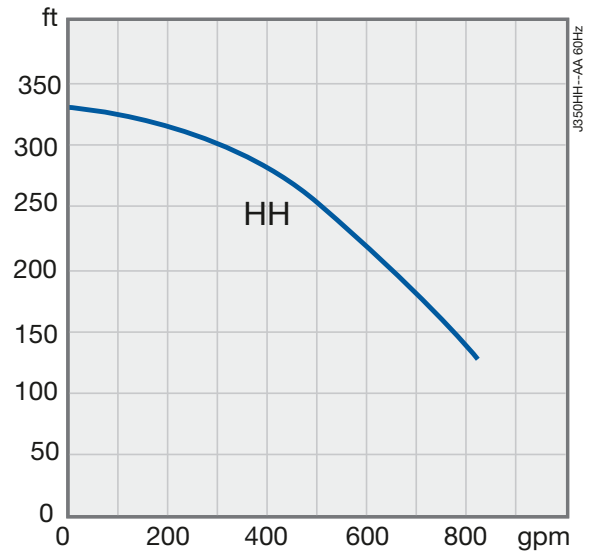
Motor Rating:	59.8 Hp
Phase:	3
Frequency:	60 Hz
Speed:	3550 rpm
Voltage (V):	460 or 575
Full Load Amps (A):	69 or 55.2

Physical Data

Power Cable:	AWG 6/4 + 10/4 GGC, Hypalon, MSHA
Control Cable:	Together with power cable
Cable Length:	50 ft. (15m) Standard
Motor Housing:	Cast aluminum alloy
Oil Chamber:	Cast aluminum alloy rubber coated
Impeller:	ASTM A 743 CA-40 Harden Stainless Steel
Cooling Jacket:	Cast aluminum alloy
Wear Ring:	Cast aluminum alloy rubber coated polychloroprene
Diffuser:	Cast aluminum alloy rubber coated
Motor Shaft:	AISI 420 Stainless Steel
O-rings:	Buna N
Ext. Hardware:	AISI 304 Stainless Steel
Mechanical Seal:	Upper - Chrome Steel/Carbon; Lower - SiC/SiC
Upper Bearing:	Single row ball bearing
Lower Bearing:	Double row angular contact ball bearing
Weight w/Cables:	551 lbs
Discharge Connection:	Thread NPT 4", 6"
Free Passage:	1/4" x 2"

Electrical Data

Motor Type:	Enclosed Submersible - IP 68
Motor Design:	NEMA type N
Insulation:	Class F
Max. Stator Temp.:	155° C
Max. Ambient Temp.:	40° C
Service Factor:	1.0
Voltage Tolerance:	± 10
Motor Protection:	Bimetalic switch in each phase of the winding Dielectrode seal probe in the motor housing



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