

General Service Centrifugal Pump

Line :	Mega
Version :	Bloc

Application

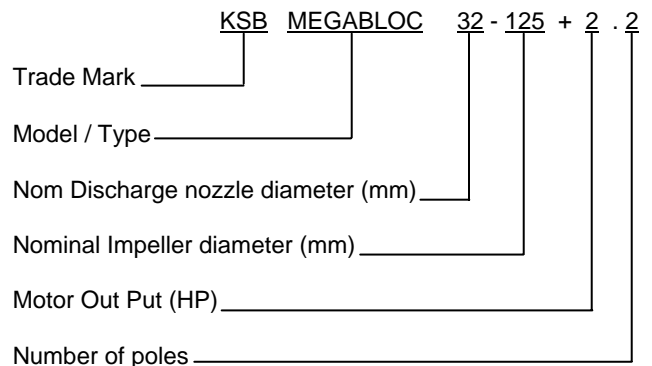
The KSB Megabloc pump is designed for pumping clean or turbid liquids and is used in:

- Water supply
- Irrigation
- Circulation of condensate
- Building Trade Centers
- Air conditioning
- Cooling services

Design

Horizontal, single stage, end suction with top centerline discharge, close coupled to electric motor.

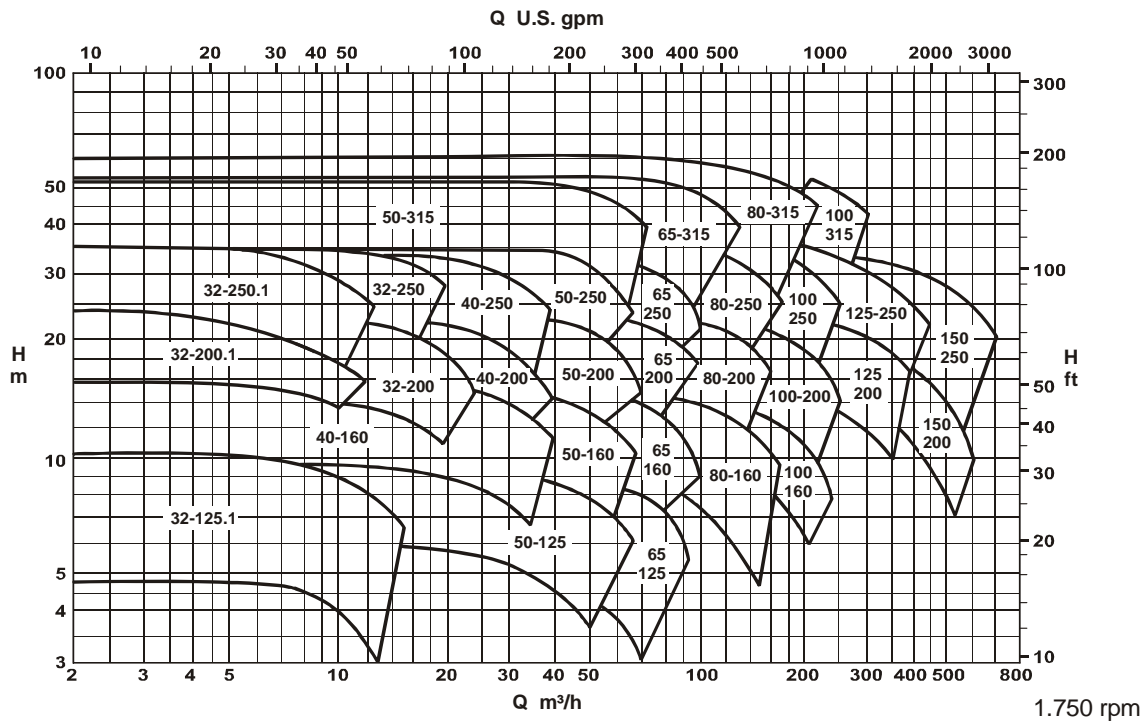
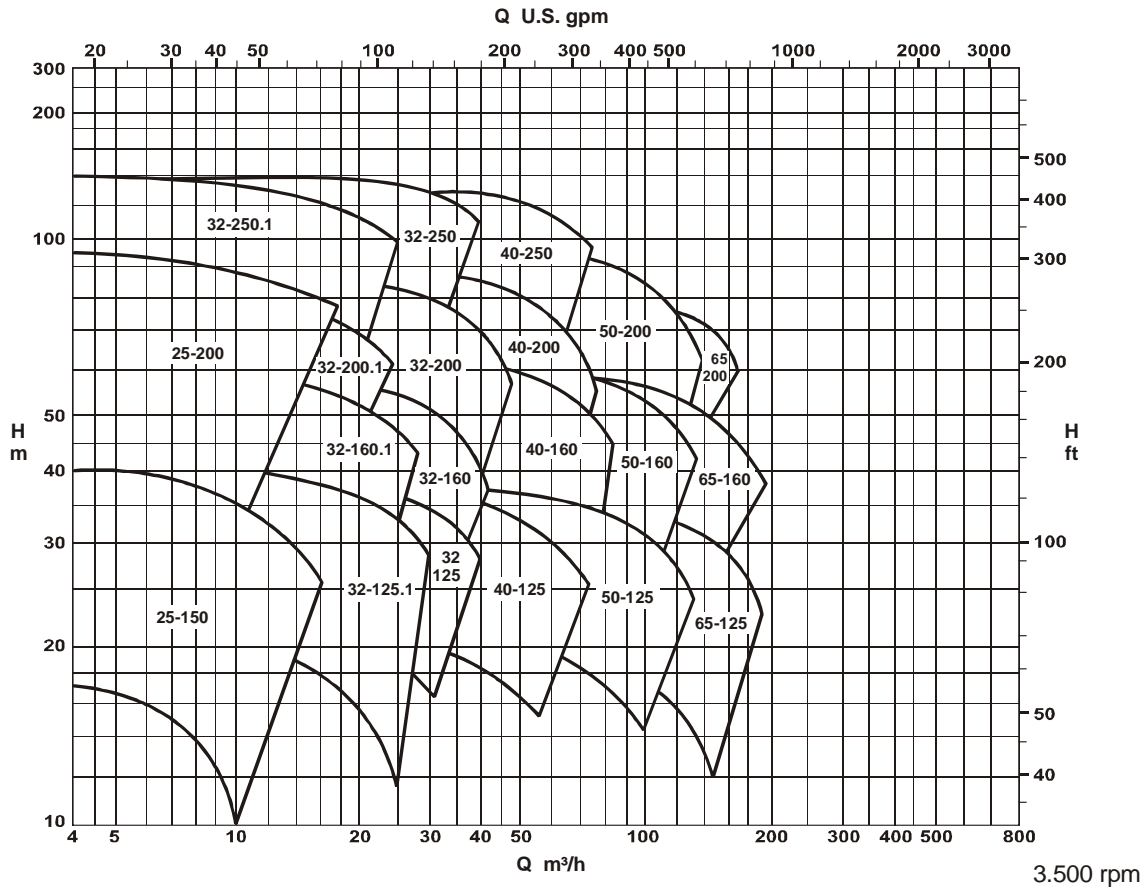
Designation



Operating Data

Size	- 1" to 6" (DN 25 up to 150)
Flow	- to 2200 GPM (500 m ³ /h)
Head	- to 426 ft (130m)
Maximum temperature	- 194°F (90°C)
Maximum suction pressure	- 43 psi (3 bar)
Maximum discharge pressure	- 190 psi (13 bar)
Speed	- to 3600 rpm

Selection Charts 60 Hz



Technical Specification

Casing

Single stage casing with standard vertical discharge. Suction and discharge are flanged (ANSI B16.1 125 # FF). See note 1). The casing is fixed to the discharge cover / adapter in such a way to assure their perfect alignment.
 Radial split casing, "back-pull-out" design that allows the disassembly of the pump without dismantling the suction and discharge pipe lines.
 Standard material: Cast iron
 Optional material: Stainless steel

Impeller

Single suction closed, radial flow impeller directly driven by the motor shaft.
 Standard material: Cast iron
 Optional material: Stainless steel

Adapter / Discharge cover

It assures the alignment of the pump casing to motor flange.
 Standard material: Cast iron
 Optional material: Stainless steel

Rotation Direction

Clockwise, seen from motor end.

Mechanical Seal

Standard for water up to 194°F (90°C) as well as for most hydrocarbons. For others temperatures and liquids, please consult KSB.
 Standard materials: carbon / stainless steel or ceramic / stainless steel
 Optional material: Tungsten carbide / Tungsten carbide

Shaft Protecting Sleeve

Extended, covering the shaft sealing area, it prevents the contact of the pumped liquid with the shaft.
 Standard material: Stainless steel.
 Optional material: AISI 316

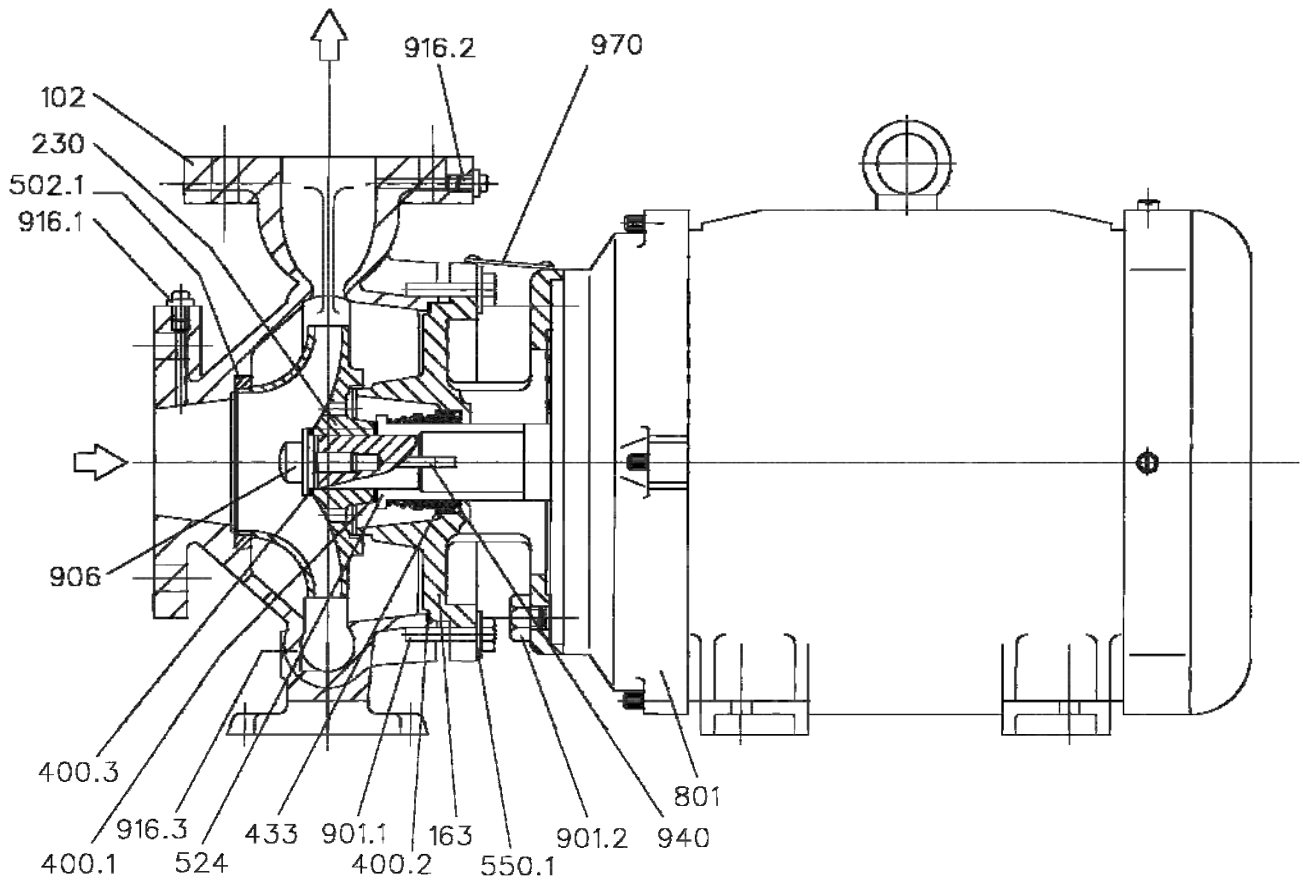
Motor

Supplied as part of the assembly.
 Nema MG 1 Motors with JM shaft end. (See note 2). Motor efficiencies according to Epact. Ball bearings are dimensioned to support the axial and radial loads acting on the motor.
 The motor-pump set is supported by motor feet.

Remark: In case of altitude higher than 3,280 ft (1000 m) and / or ambient temperature over 104°F (40°C), consult KSB.

Protection system:	TEFC/ IP55
Insulation class:	F
Service factor:	1.25
Speed:	3600 rpm, 1800 rpm
Phases / frequency:	3/60 HZ
Voltage:	208 - 230 / 460 V (also available in 575V for Canada)

- ANSI B16.1 250 # FF for sizes 40-250; 50-250; 50-315; 65-250; 80-250.
- JP shaft end for sizes 125-200 and 150-200 (25 and 30 Hp).



Designation	Part n°
Volute Casing	102
Adapter	145
Discharge Cover	163
Impeller	230
Flat Gasket	400.1
Flat Gasket	400.2
Flat Gasket	400.3
Mechanical Seal	433
Casing Wear Ring	502.1
Shaft Protecting Sleeve	524
Washer	554
Flanged Motor ¹⁾	801
Hexagon Head Bolt	901.1
Hexagon Head Bolt	901.2
Threaded Plug	903
Impeller Screw	906
Key	940
Nameplate	970

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