

McNally Sayaji Engineering Limited

CENTRIFUGAL SLURRY PUMPS

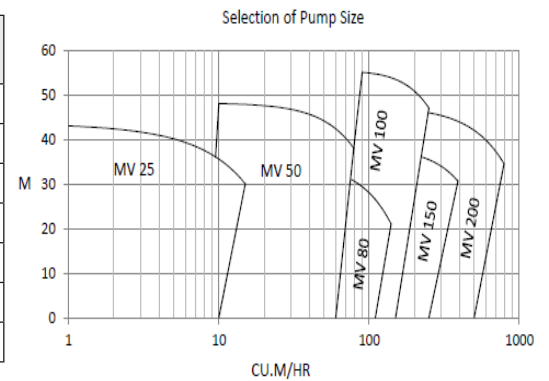


HORIZONTAL CENTRIFUGAL SLURRY PUMPS MV SERIES

MV Series pumps are designed for handling the abrasive slurries in the mineral processing industry. Overhead mounting of electric motor is available in this series and the need for any special foundation for motor is eliminated. Optional double lock impeller assembly that prevents the impeller from loosening due to reverse rotation, thus preventing damage to the pump.



PUMP MODEL	DISCHARGE (MM)	SUCTION (MM)	MAX MOTOR (kW)	APPROX. WEIGHT OF PUMP HC (KG)
MV - 25	25	32	7.5	65
MV - 50 (4V,5V)	50	65	11	215
MV -50 SP	50	65	30	300
MV - 80	80	100	30	280
MV - 100 (3V,4V)	100	125	30	330
MV - 150	150	165	45	490
MV - 200	200	250	90	1000

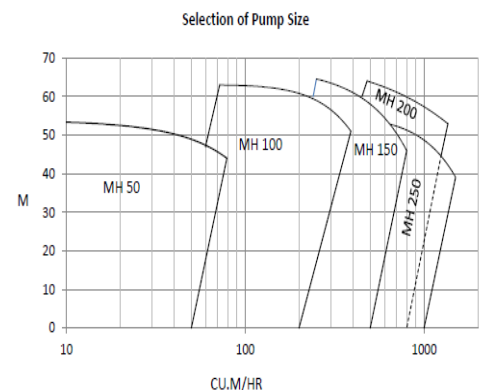


HORIZONTAL CENTRIFUGAL SLURRY PUMPS MH SERIES

MH Series pumps are suitable for the extremely tough applications in the mineral processing industry. The optional Sliding Base Arrangement along with Back Pullout Design allows the entire shaft assembly along with impeller to slide backwards on slide rails without dismantling the pipe lines, thus making the pump maintenance extremely easy in minimal time. Double Lock Impeller Assembly & Overhead Electric Motor Mounting provisions are the other significant features of this model. Twin casing makes this pump ideal for high pressure applications like Hydro cyclone feed and Filter feed.



PUMP MODEL	DISCHARGE (MM)	SUCTION (MM)	MAX MOTOR (kW)	APPROX. WEIGHT OF PUMP HC (KG)
MH-50	50	63	22	215
MH-100	100	150	75	1250
MH-150 (2V, 4V, 5V)	150	200	160	2000
MH-200	200	250	315	4150
MH-250 (4V, 5V)	250	300	250	2600

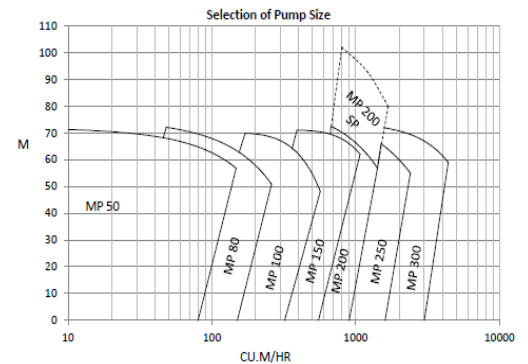


HORIZONTAL CENTRIFUGAL SLURRY PUMPS MP SERIES

MP Series pumps are designed for handling the abrasive slurries in the mineral processing industry. These pumps are designed for the toughest pumping applications. The Special feature of this pump is Back Pullout Design. Back Pullout Design makes inspection & maintenance of casing, impeller and gland parts easier without dismantling the pipe lines. The heavy duty bearing assembly with large diameter shaft and Taper Roller Bearings are ideal for use for harsh duty conditions. The pumps are further provided with Double Gap Adjustment feature to ensure high operating efficiencies throughout the life time of the wear parts.



PUMP MODEL	DISCHARGE (MM)	SUCTION (MM)	MAX MOTOR (kW)	APPROX. WEIGHT OF PUMP HC (KG)
MP - 50	50	80	75	180
MP - 80	80	100	132	320
MP - 100	100	150	250	550
MP - 150	150	200	355	850
MP - 200	200	250	450	1400
MP - 200 SP	200	250	630	1600
MP - 250	250	300	630	3000
MP - 300	300	350	850	5000

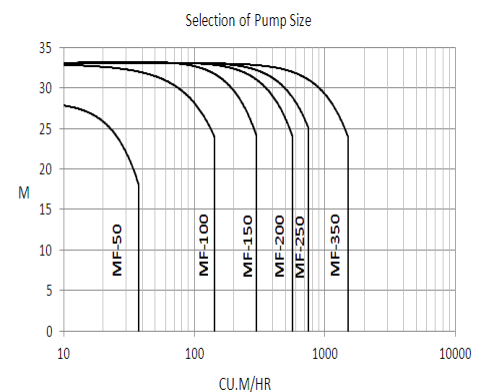


VERTICAL CENTRIFUGAL FROTH PUMPS MF SERIES

The pump, sump and the motor are integrated to one unit, there is no leveling or special foundation required. MF pumps are designed to increase the pumpability of frothy suspensions. The principal of operation is partly similar to that of cyclone separation, air is separated from the slurry in a vortex created by the impeller rotation and the tangential inlet to the pumps conical sump. This results in a more efficient pumping at higher capacities and smoother operation. The MF pump operates without stuffing box or other submerged shaft seals, which further simplifies maintenance.



PUMP MODEL	DISCHARGE (MM)	SUCTION (MM)	MAX MOTOR (kW)	APPROX. WEIGHT OF PUMP HC (KG)
MF - 50	50	1000	7.5	340
MF - 100	100	1730	45	900
MF - 150	150	1730	45	1000
MF - 200	200	2500	110	2500
MF - 250	250	2500	110	2700
MF - 350	350	2900	132	6400



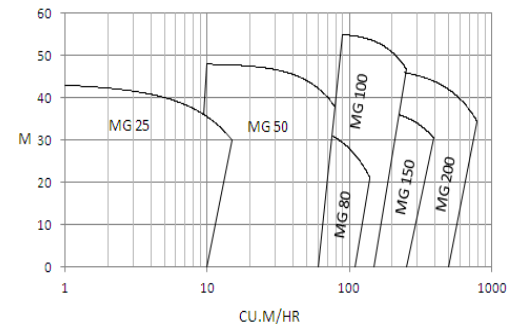
VERTICAL CENTRIFUGAL SLURRY PUMPS MG SERIES

MG Series the larger units are normally bolted to a permanent base plate. Free suspension in the sump by the lifting yoke is preferred for the smaller pumps. Both shaft bearings are located in a cylinder which is above the base plate for accessibility and protection. Special designs giving extended length with the base plate are available on request. The pump has no stuffing box, submerged shaft seals or bearings. This guarantees minimum maintenance & eliminates any requirement for sealing or flushing water.

DEPTH BELOW FLANGE (CM)	PUMP MODEL	DISCHARGE (MM)	MAX MOTOR (kW)	APPROX. WEIGHT OF PUMP HC (KG)
80	MG-25	25	7.5	100
80		25	30	380
80		25	30	430
80	MG-50 (4V,5V)	50	7.5	160
120		50	30	440
180		50	30	490
80	MG-80, MG-80S	80	30	375
120		80	45	625
180		80	45	675
80	MG-100(3V,4V) MG-100S	100	30	420
120		100	45	630
180		100	45	680
100	MG-150, MG-150S	150	45	660
180		150	110	1450
150	MG-200, MG-200S	200	110	1650



Selection of Pump Size



Bangalore Sales Office

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