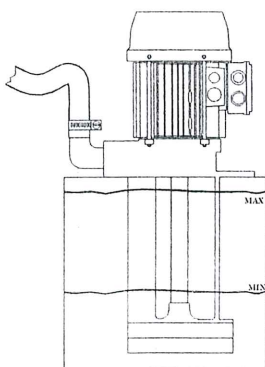
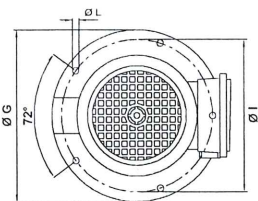
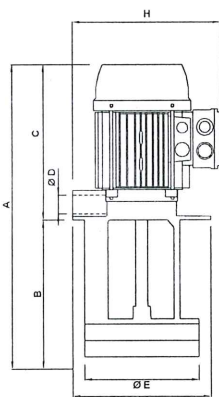
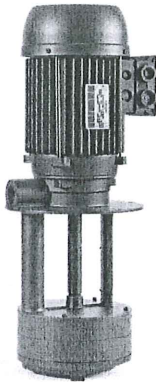


Submersible motor-driven pumps

Type MP 80-90-100



Uses

They are suitable for transferring liquids containing impurities up to 3 mm in size. Their hydraulic components: impeller in brass, feed screw and pump body in aluminium allow them to be used with water, emulsions and oily substances in general, with a viscosity not exceeding 21 cSt (3° Engell). The temperature of the liquid must not exceed 90°C.

They are commonly used on:

- machine tools (milling and turning machines-machining centres)
- filtration systems

They are normally installed on a tank with a capacity which is proportional to their flow rate, about 4-5 cm from the bottom.

It is important to make sure that the maximum liquid level in the tank is always 3-4 cm lower than the support flange (see figure).

Should the liquid be particularly dirty, it is advisable to build a compartment tank in order to allow the sludge to deposit before it is sucked by the pump.

For different uses, please consult our Technical Office.

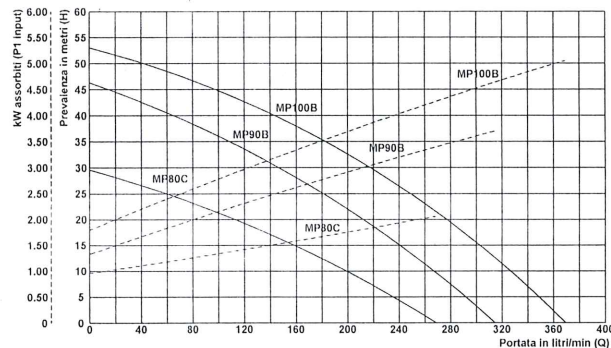
Size and weights table

Type of pump	A mm	B mm	C mm	ØD	ØE mm	ØF mm	ØG mm	H mm	ØI mm	ØL mm	Mass kg
MP 80C	517	230	287	1"	190	190	230	245	204	9 (n.5)	16.5
	567	280									17.0
	642	355									17.5
	757	470									18.0
MP 90B	590	265	325	1"	190	190	230	255	204	9 (n.5)	22.0
	640	315									22.5
	715	390									23.0
	830	505									23.5
MP 100B	625	265	360	1 1/4"	202	220	250	275	235	9 (n.5)	32.0
	675	315									32.5
	725	365									33.0
	775	415									33.5
	955	595									35.5

Rating plate data

Type of pump	kW		V 230/400 - Hz 50			Q - maxQ litres/min	maxH - H metres
	Input (P1)	Nom. (P2)	In Amp.	n min-1	cos φ		
MP 80C	1.86	1.5	5.7/3.3	2845	0.83	22 - 269	28 - 0
MP 90B	3.58	3	10.6/6.10	2850	0.86	17 - 315	45 - 0
MP 100B	4.85	4	14.9/8.6	2875	0.81	37 - 368	50 - 0

Hydraulic performance curves (open impeller)



Hydraulic performance table (open impeller)

Type of pump	Head in metres (H) →														
	0	4	8	12	16	20	24	28	32	36	40	45	50	55	60
	Flow rate in litres/min (Q) ↓														
MP 80C	269	244	215	184	148	106	68	22							
MP 90B	307	293	276	257	236	213	187	159	130	97	63	17			
MP 100B	360	349	333	316	297	280	256	233	207	178	141	94	37		