

گولڈن ڈائنامکس (پرائیویٹ) لمیٹڈ



NOWA

■ Mono-Block Pumps

GMB Series



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Function:

This series of electric single/double impeller close coupled centrifugal pumps are fitted with the overhang impeller directly coupled with motor shaft. The liquid pumped is conveyed into the spiral shaped volute of the pump body, transforming the kinetic energy into dynamic pressure energy. Pressure and flow is achieved with minimum loss by means of the hydrodynamic closed impeller design.

Application:

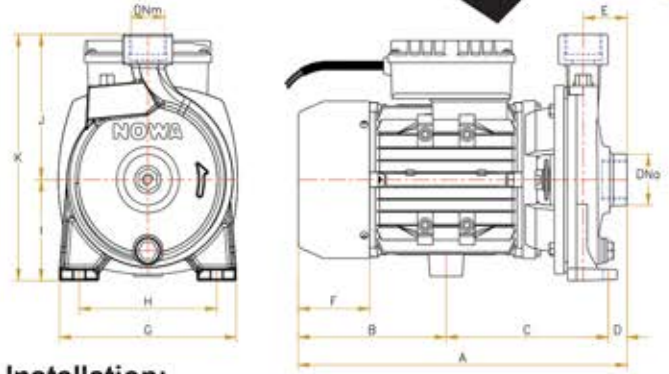
Industrial water supply, pressurized water using pressure vessels (autoclaves), horticulture, irrigation, civil and domestic water transfer applications.

Pump Construction:

Pump Body and Motor Support are in Cast Iron. Special designed S.S./Brass Impeller and Mechanical Seal (Carbon + Ceramic), Silicon Electric Steel Sheet is used in Rotor & Stator with 99.9% pure Copper winding. Shaft in AISI-304 Steel / Carbon Steel / Brass fitted with world's finest pre-greased sealed Ball Bearings.

Motor Construction:

Totally enclosed fan cooled (1C411) motor with built in thermal protected (in single-phase motors), the Capacitor is permanently in circuit (with single-phase motors). IP-54, Insulation Class B/F, SF: 1.1, 220 V / 400 V, 50 Hz, 2900 RPM.



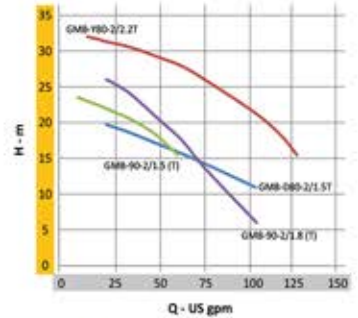
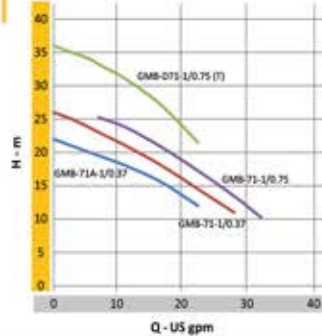
Installation:

Upon installation, always prime the pump body first before start up. Pump may be installed with motor shaft in horizontal or vertical position. In case, if pump is being installed in vertical position, the motor must be positioned above the pump body.

Pump Performance Data:

Capacity: 60 m³/h (max.)
 Head: 35 m (max.)
 Suction: 5 m (max.)
 Liquid should be clean and free from solid or abrasive substances and non-aggressive.
 Liquid Temperature: -15°C ~ +80°C (max.)
 Ambient Temperature: +40°C (max.)
 Working Pressure: 6 bar (max.)

Performance Curves:



Performance Chart:

Model	Size	Motor		Q - Capacity (m ³ /h - US gpm - lpm)																			
		HP	kW	0	0.6	1.2	1.5	2.4	3.6	4.8	6	7	9	12	15	18	24	27	29	36	42	48	60
				0	2.6	5	7	10.6	15.9	21	26.4	30.4	39.6	52.8	66	79	105.7	118.9	126.8	158.5	184.9	211	264
				0	10	20	25	40	60	80	100	115	150	200	250	300	400	450	480	600	700	800	1000
				H - Total Head (m) @ 2900 RPM																			
GMB-71A-1/0.37	1" x 1"	0.5	0.37	22	21	20	19.5	18	15.5	12													
GMB-71-1/0.37	1.25" x 1"	0.5	0.37	26	25	23.7	23	21	18	15	11												
GMB-D71-1/0.75 (T)	1" x 1"	1	0.75	36	35	34	33.2	31	27	21.5													
GMB-71-1/0.75	1.25" x 1"	1	0.75			25	23.5	20.5	17	13.2	10												
GMB-D80-2/1.5T	2" x 2"	2	1.5							19.7	19.4	18.6	17.3	16	14.6	11.6							
GMB-Y80-2/2.2T	2" x 2"	3	2.2					32	31.7	31.3	31.1	30.5	29.3	28	26	21.5	18.5	16					
GMB-90-2/1.5 (T)	2" x 2"	2	1.5				23.5	23	22.5	22	21.5	20.5	18.5	15.5									
GMB-90-2/1.8 (T)	2" x 2"	2.5	1.8							26	25.5	24	21	18	14	7							
GMB-90-3/1.8 (T)	3" x 3"	2.5	1.8							20	19.9	19.4	18.8	18	17.5	16	15	14.4	11.5	9			
GMB-D100-3/2.2T	3" x 3"	3	2.2							17.1	16.9	16.6	16.2	15.7	15.3	14.3	13.8	13.5	12.3	11	10	7.4	

Dimension Table:

Model	DNa	DNm	A	B	C	D	E	F	G	H	I	J	K	Weight (kg)
GMB-71A-1/0.37	1"	1"	298	134	147	17	40	65	160	125	86	125	211	10
GMB-71-1/0.37	1.25"	1"	318	134	157	27	50	65	168	133	85	130	215	13.4
GMB-D71-1/0.75 (T)	1"	1"	297	87	131	79	42.5	64	178	145	96	139	235	11.5/11(T)
GMB-71-1/0.75	1.25"	1"	321	133	158	30	43	65	189	154	99	149	248	14.5
GMB-D80-2/1.5T	2"	2"	367	97	220	50	60	65	203	162	108	152	260	19
GMB-Y80-2/2.2T	2"	2"	395	110	150	135	62	77	195	149	110	171	281	24.3
GMB-90-2/1.5(T)	2"	2"	454	94	300	60	57	100	218.9	175	116	165	281	33.4/33.3(T)
GMB-90-2/1.8(T)	2"	2"	549	175	306	69	77	100	215	164	127	178	305	46.6/44.6(T)
GMB-90-3/1.8(T)	3"	3"	483	94	311	78	82	100	240	190	121	201	322	39.8/39.9(T)
GMB-D100-3/2.2T	3"	3"	426	106	258	62	70	80	238	190	123	187	310	27.5

