

Permanent Magnet DC Motors

60 - 150 Watts (1/12 - 1/5 HP)

These DC motors are supplied in 12 or 24 Vdc. Its main application is in air conditioning and heating transportation vehicles, where they are used in continuous service in blowers or fans systems.

It is possible other applications such as servomechanisms, rural use machines, machine tools, and traction in general.

According to other needs can be supplied at different voltages indicated.

They are manufactured in many sizes, from 60 to 150 watts of power output shaft.

Features:

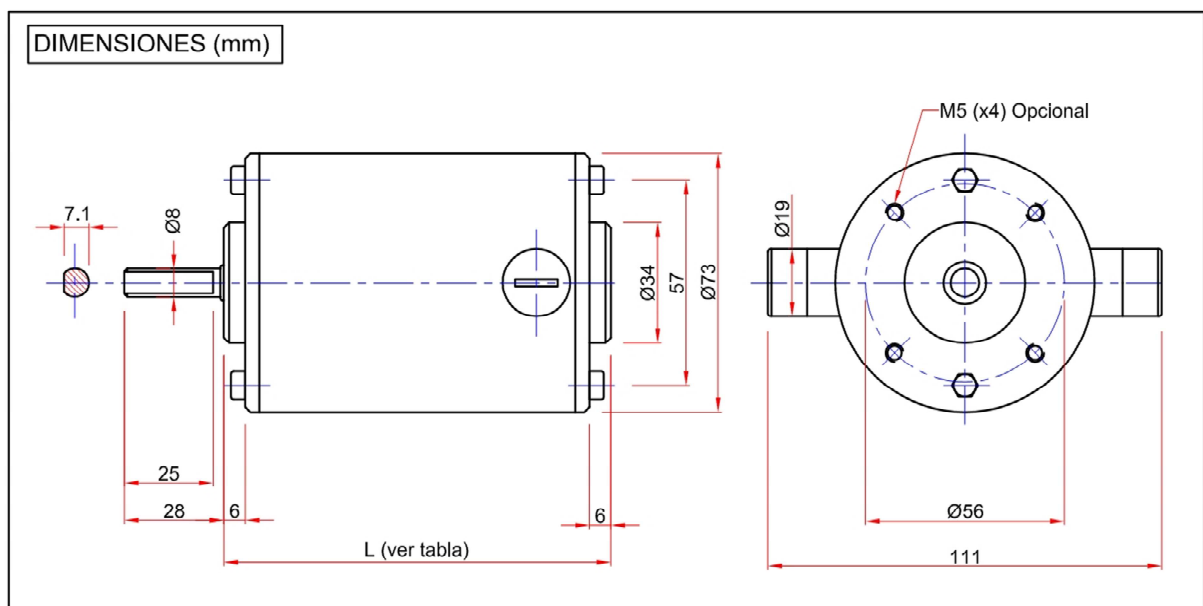
Totally enclosed, non ventilated (IP-40), epoxy paint finish, injected caps.

Ferrite ceramic magnets , laminated armature suitable for static systems work with speed control PWM.

SAE1040 steel shaft mounted on ball bearings self-lubricating . Class F insulation.

Oversized brushes for long life, external brush access for easy inspection and replacement.

Optionally providing fully internal brushed, or ventilated endshield (IP-20).



Performance Curves:

Figure 1 shows the characteristic curves of permanent magnet motors, the data for each model listed in table 1. The nominal values are set for self-ventilated motors for continuous duty for other operating conditions are recommended to consult with our technical staff.

P_m : Mechanical Power on Shaft.

U_n : Nominal Voltage.

I_n : Nominal Current.

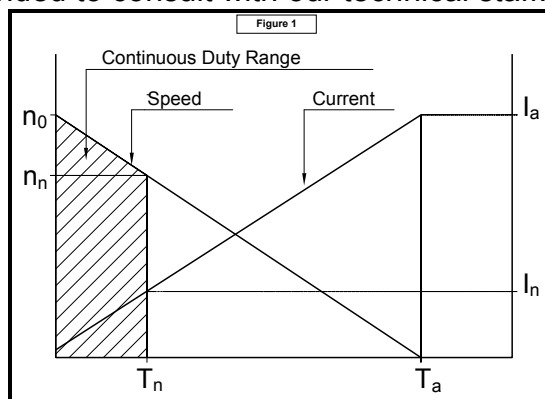
n_n : Nominal Speed.

T_n : Nominal Torque.

n_0 : No load Speed.

T_a : Starting Torque.

I_a : Starting Current.



Models Available:

Model	Nominal Values					n_0	T_a	I_a	Long L	Weight
	P_m Watt	U_n Volt cc	I_n Amp	n_n rpm	T_n Nm					
551201	60	12	7	2500	0.22	3200	1.5	40	111	1.7
551202	60	12	6	2000	0.26	2800	1.3	27	111	1.7
551203	60	12	7	2800	0.19	3500	1.5	48	111	1.7
551204	100**	12	13	3000	0.33	3500	1.7	55	111	1.7
551205	90*	12	12	5000	0.16	6100	1.3	70	111	1.7
551206	100**	12	12	4000	0.24	4800	1.8	70	111	1.7
551207	40	12	5	1500	0.27	1800	1.0	16	111	1.7
551211	30	12	4	1200	0.20	1800	0.6	10	111	1.7
552401	60	24	3.5	2500	0.24	3000	1.7	22	111	1.7
552402	60	24	3.5	2000	0.26	2600	1.6	18	111	1.7
552403	60	24	3.5	2700	0.21	3300	1.9	27	111	1.7
552404	100**	24	6	3300	0.33	4000	1.8	28	111	1.7
552405	90*	24	5	4500	0.20	5000	2.2	46	111	1.7
561201	75	12	9	2000	0.38	2600	3	60	132	2.2
561202	75	12	9	2500	0.28	3200	3	85	132	2.2
561203	120*	12	12	4500	0.24	5300	1.8	77	132	2.3
561204	150**	12	14	3000	0.44	3800	2.9	85	132	2.3
562401	75	24	4.5	2000	0.38	2500	3	32	132	2.2
562402	75	24	4.5	2500	0.28	3000	2.7	36	132	2.2
562403	120*	24	6.5	4800	0.25	5300	4	78	132	2.2
562404	150**	24	9	3500	0.40	4000	3.5	64	132	2.2
571201	100	12	11	2000	0.45	2300	2.5	60	142	2.4
571202	100	12	11	2500	0.35	2800	2.5	84	142	2.4
571203	120	12	13	3000	0.36	3600	2.5	75	142	2.5
572401	100	24	5.5	2000	0.45	2500	3.5	36	142	2.4
572402	100	24	5.5	2500	0.35	3000	3.5	45	142	2.4
572403	120	24	6.5	3000	0.36	3700	3.5	58	142	2.4
572406	150*	24	9	3500	0.36	4000	4.5	90	142	2.4
581201	150	12	17	2000	0.7	2600	3.5	95	163	2.9
581202	150	12	17	2500	0.55	3200	3.5	95	163	2.9
581203	150	12	17	1800	0.8	2200	2.9	56	163	2.9
582401	150	24	8	2000	0.7	2700	4.9	54	163	2.9
582402	150	24	8	2500	0.55	3300	4.4	65	163	2.9
582403	150	24	8	1800	0.7	2400	4.6	49	163	2.9

* ONLY FOR INTERMITTENT DUTY - **ONLY VENTILATED



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