

SPECIAL
SERIES

MILKING MACHINE MOTORS

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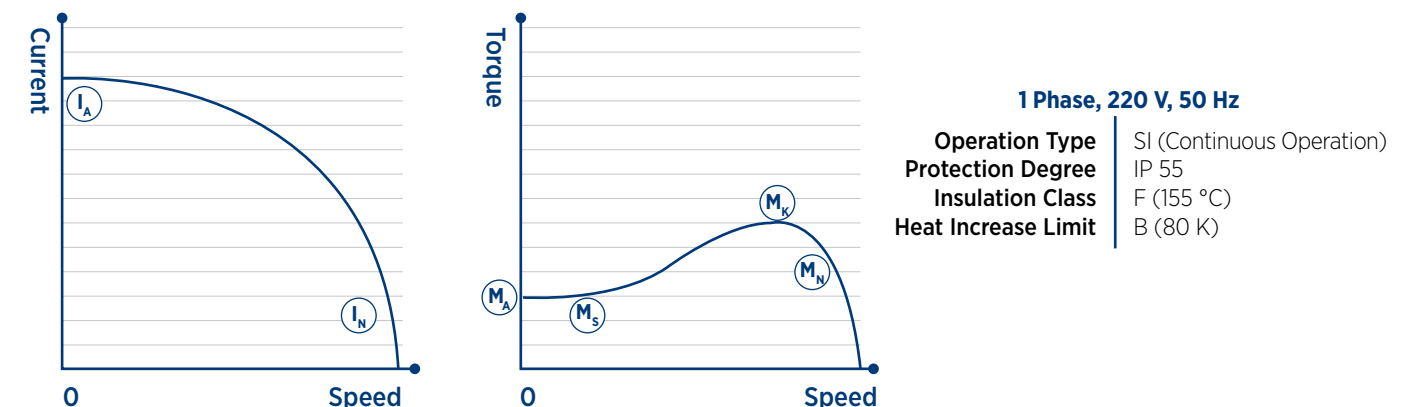
Gamak Milking Machine Motors are designed to withstand the operating conditions required by the industry, with Type 90, from 0.55 kW to 1.5 kW, with a permanent circuit capacitor at 1500 RPM. Milking motors designed in aluminum bodies with Fixed Feet Housing can be manufactured with special cut-off shaft and switch upon request. To achieve maximum performance on the vacuum pumps coupled to the milking machine motors, maximum attention is paid to the axial elongation of the shaft and the sensitivity on the flange surface.



OPERATIONAL CHARACTERISTICS

1 Phase, 220 V, 50 Hz | Type of Operation: S1 (Continuous Operation)
Protection Degree: IP 55 | Insulation Class F (155°C) Heat Increase Limit: B (80K)

Special Milking Machine Motors with Permanent Circuit Capacitors



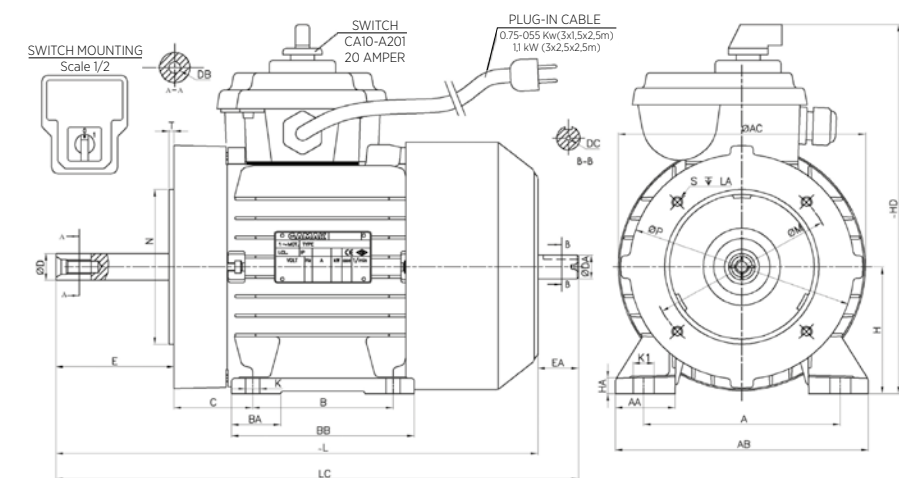
Nominal Power	Type	At Nominal Power					At Start-up		Tilting Moment Ratio	Permanent Circuit Capacitor	Moment of Inertia J	Approx. Weight
		Speed	Current I _N	Torque M _N	Power Coefficient	Efficiency η	Current Rate I _A / I _N	Torque Ratio M _A / M _N				
kW		RPM	A	Nm	Cos φ	%						

Fixed Feet Housing 4 poles (1500 RPM)

0,55	MD.F 90 S 4e	1410	4,8	3,8	0,79	63	3,2	0,5	1,9	25	0,00076	11,6
0,75	MD.F 90 S 4g	1410	5,1	5,1	0,91	70	3,6	0,5	1,9	30	0,00160	13,6
1,1	MD.F 90 S 4c	1400	7,1	7,5	0,95	74	4,4	0,4	1,8	35	0,00209	16,8
1,5	MD.F 90 L 4d	1420	10,2	10,1	0,92	73	4,2	0,4	1,9	50	0,00265	19,1

Different options of motors can be provided according to customer requests.

Fixed Feet Housing 4 poles (1500 RPM)



Sizes of foot mounted motor: Frame Forms B3, B6, B7, B8, B15, V5, V6																																
Frame Size	No of Poles	H	HD ~	HA	A	AA	AB	AC	AK	K	K1	B	B'	BA	BA'	BB	Flanş No	ØM	ØN	ØP	S	T	LA	L~	LC	C	E	EA	DB	DC	ØD	ØDA
90-S	4	90	260	12	140	43	180	176	-	10	15	100	-	35	-	130	FT130	130	110	160	MB	3,5	16	$\frac{332}{243}$	$\frac{361}{272}$	343	$\frac{73}{84}$	29	M10	3,15	$\frac{19}{22}$	17