

MSD 90 S 4

1-Phase 230 V 50 Hz

Duty Type : S1
Degree of protection : IP 55 (TEFC)
Insulation class : F (155 °C)
Temp rise : Class B (80K)
Mounting Design : B3

ELECTRICAL DESIGN

Rated output (kW) : 1.1
Speed (rpm) : 1410
Rated current (A) : 7.1
Torque – Mn (Nm) : 7.45
Starting Capacitor 330V (μF) : 145-174
Permanent Capacitor 400V (μF) : 35
Cos φ : 0.96
Efficiency % : 70.0
Moment of inertia J (kgm)² : 0.00209

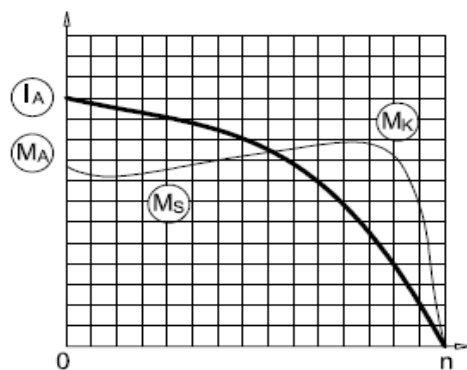
MECHANICAL DESIGN

Frame : Aluminium
End shields : Aluminium
Cooling fan : Plastic
Terminal box : Plastic
Cable gland : Pg 16
No of cable glands : 1

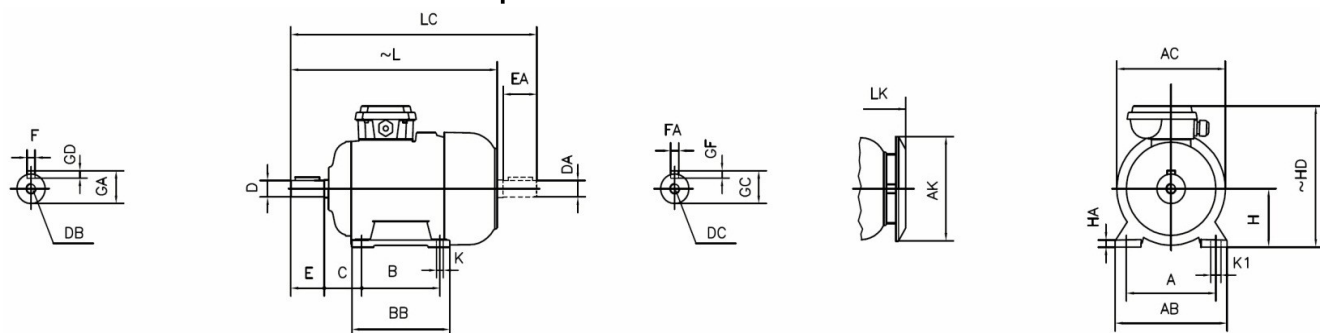
Bearing Arrangement

	Drive End	Non Drive End
Standard design	6205 ZZ	6205 ZZ
Paint	: RAL 7031- Grey	
Approximate weight (kg)	: 13.8	

GAMAK



Locked rotor Current – I_a (A) : 34.08
I_a / I_n : 4.8
Locked rotor Torque – M_a (Nm) : 17.9
M_a / M_n : 2.4
Breakdown Torque – M_k (Nm) : 14.2
M_k / M_n : 1.9



DIMENSIONS

FOOT MOUNTED MOTORS - B3, B6, B7, B8 B15, V5, V6

H	HD ~	HA	A	AB	AC Ø	AK Ø	K	K1	B	BB	L ~	LC	LK ~	C	E EA	DB DC	DØ DAØ	GA GC	FXGD FAXGF
90	242	12	140	180	176	150	10	15	100	130	308	363	338	56	50	M8	24	27	8X7