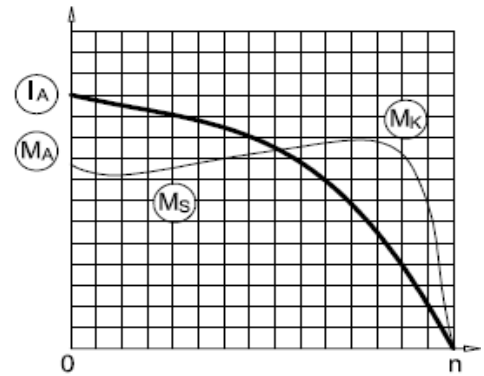


MD 90 S 2

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) : 1.5
 Speed (rpm) : 2820
 Rated current (A) : 9.8
 Torque – Mn (Nm) : 5.08
 Permanent Capacitor 400V (µF) : 40
 Cos φ : 0.91
 Efficiency % : 73.0
 Moment of inertia J (kgm)² : 0.00113

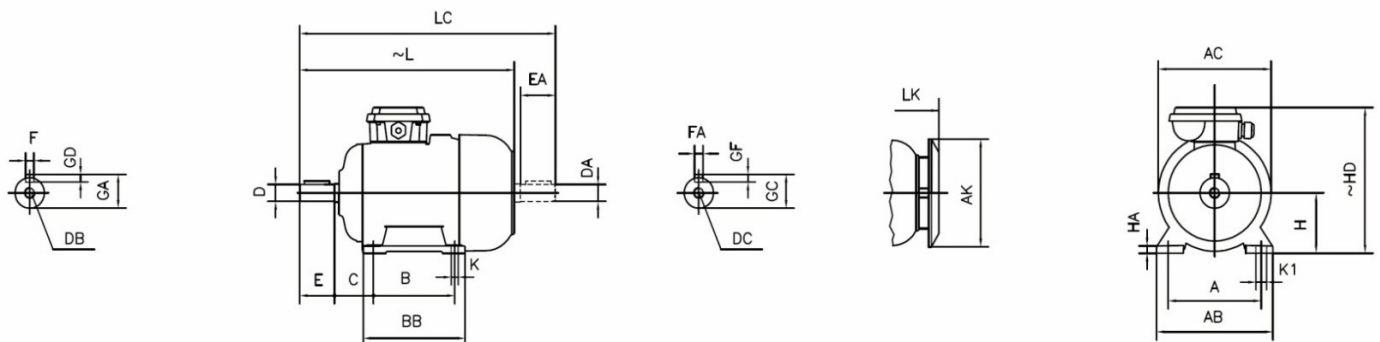
Locked rotor Current – Ia (A) : 41.16
 Ia / In : 4.2
 Locked rotor Torque – Ma (Nm) : 3.0
 Ma / Mn : 0.60
 Breakdown Torque – Mk (Nm) : 10.2
 Mk / Mn : 2.0

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)	: 13.3	



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	23	12	140	180	176	150	10	15	100	130	308	363	338	56	50	M8	24	27	8X7