

# MD 90 L 4

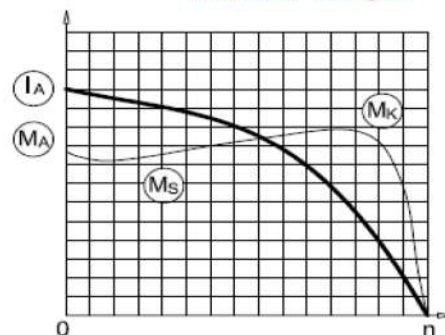


1-Phase 230 V 50 Hz

- 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) : 1.5
- Speed (rpm) : 1410
- Rated current (A) : 9.3
- Torque – Mn (Nm) : 10.16
- Permanent Capacitor 400V (µF) : 50
- Cos φ : 0.96
- Efficiency % : 72.0
- Moment of inertia J (kgm)<sup>2</sup> : 0.00265



- Locked rotor Current – Ia (A) : 30.69
- Ia / In : 3.3
- Locked rotor Torque – Ma (Nm) : 5.79
- Ma / Mn : 0.57
- Breakdown Torque – Mk (Nm) : 18.3
- Mk / Mn : 1.8

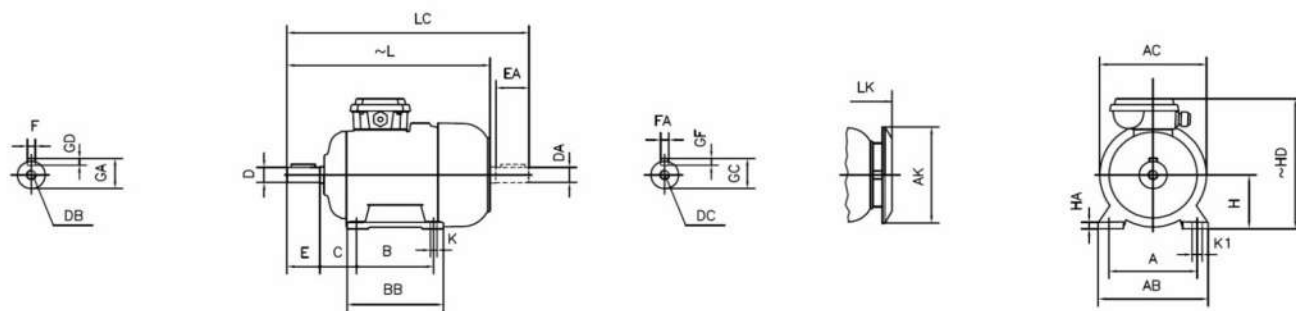
## MECHANICAL DESIGN

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

### Bearing Arrangement

- Standard design : 6205 ZZ
- Paint : RAL 7031- Grey
- Approximate weight (kg) : 15.8

	Drive End	Non Drive End
Standard design	6205 ZZ	6205 ZZ



## 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	DB	DØ	GA	FXGD
	~										~		-		EA	DC	DAØ	GC	FAXGF
90	23	12	140	180	176	150	10	15	125	155	333	388	363	56	50	M8	24	27	8X7

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