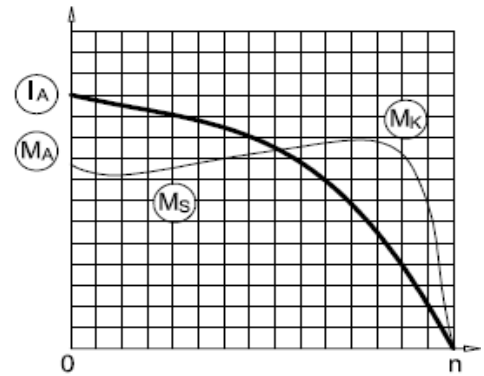


## MD 90 S 4

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  
 Permanent Capacitor 400V (µF) : 35  
 Cos φ : 0.96  
 Efficiency % : 70.0  
 Moment of inertia J (kgm)<sup>2</sup> : 0.00209

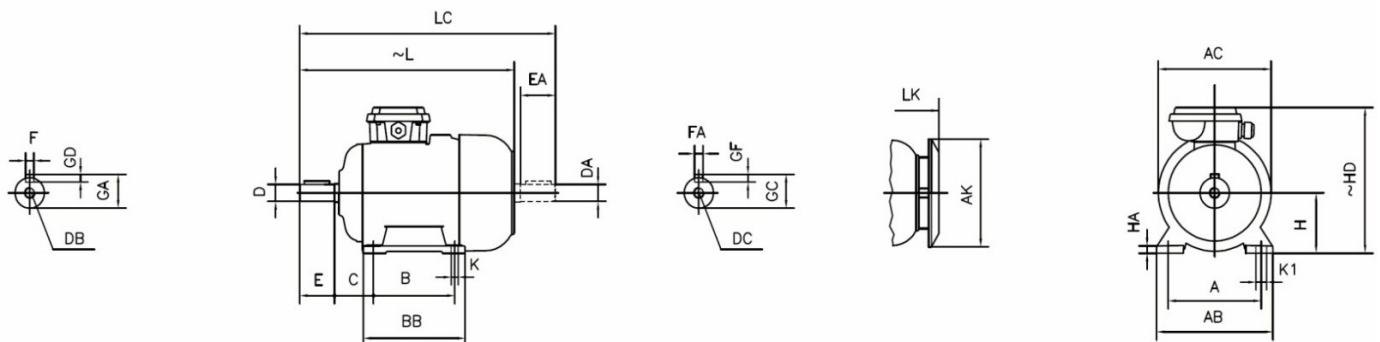
Locked rotor Current – Ia (A) : 24.85  
 Ia / In : 3.5  
 Locked rotor Torque – Ma (Nm) : 4.69  
 Ma / Mn : 0.63  
 Breakdown Torque – Mk (Nm) : 14.2  
 Mk / Mn : 1.9

## 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