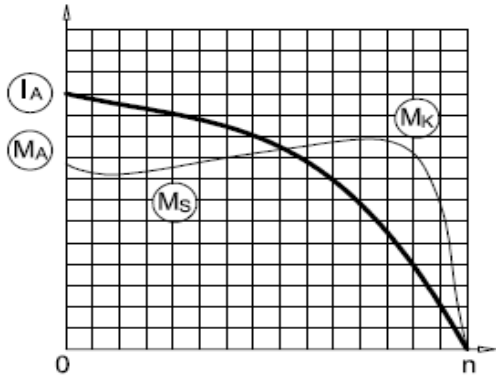
GM2E 160 M 2a

IE2

GAMAK

3-Phase 400 V (Δ) 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)	: 11
Speed (rpm)	: 2945
Rated current (A)	: 19.5
Torque – Mn (Nm)	: 35.7
Cos φ	: 0.91

	4/4	3/4	1/2
Efficiency %	: 89.5	89.5	88.6

Moment of inertia J (kgm)² : 0.03

Direct On Line

Locked rotor Current – Ia (A)	: 150
Ia / In	: 7.7
Locked rotor Torque – Ma (Nm)	: 121
Ma / Mn	: 3.4

Y / Δ Starting

Locked rotor Current – Ia (A)	: 51
Ia / In	: 2.6
Locked rotor Torque – Ma (Nm)	: 39
Ma / Mn	: 1.1
Breakdown Torque – Mk (Nm)	: 129
Mk / Mn	: 3.6

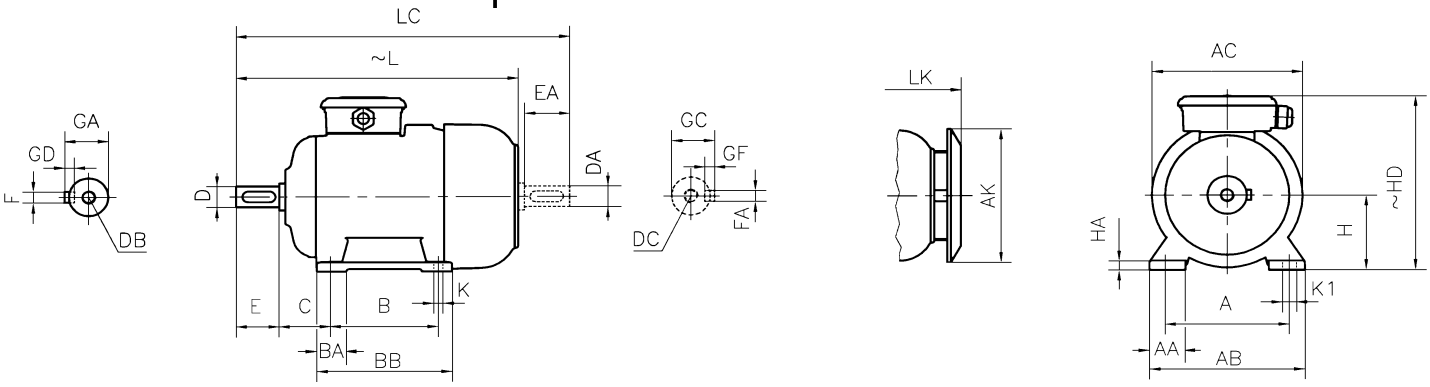
MECHANICAL DESIGN

Frame	: Cast Iron
End shields	: Cast Iron
Cooling fan	: Plastic
Terminal box	: Plastic
Cable gland	: Pg 29
No of cable glands	: 2

Bearing Arrangement

	Drive End	Non Drive End
Standard design	6309 ZZ C3	6209 ZZ C3
Reinforced design	NU 309 E	6309 C3

Noise Level (dB-A)	: 70
Paint	: RAL 7031- Grey
Approximate weight (kg)	: 100



DIMENSIONS

Dimensions of foot mounted motors for mounting arrangement : B3, B6, B7, B8, B15, V5, V6																						
H	HD ~	HA	A	AA	AB	ØAC	ØAK	K	K1	B	B'	BA	BA'	BB	L ~	LC	LK ~	C	E EA	DB DC	ØD ØDA	GA GC	FxGD FAXGF
160	380	22	254	60	312	310	303	15	-	210	-	62	-	260	600	716	657	108	110	M16	42	45	12X8

* Efficiencies are calculated according to indirect method where the additional load losses are determined from exact measurements at different load points.