

AGM2E 160 M 2a

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

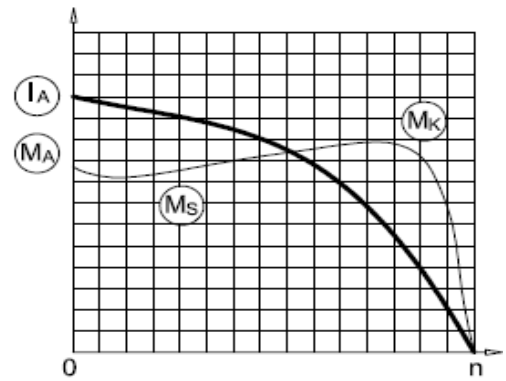
Duty Type : S1

Degree of protection : IP 55 (TEFC)

Insulation class : F (155 °C)

Temp rise : Class B (80K)

Mounting Design : B3



ELECTRICAL DESIGN

Direct On Line

Rated output (kW) : 11

Locked rotor Current – Ia (A) : 150

Ia / In : 7.7

Speed (rpm) : 2945

Locked rotor Torque – Ma (Nm) : 121

Ma / Mn : 3.4

Rated current (A) : 19.5

Y / Δ Starting

Torque – Mn (Nm) : 35.7

Locked rotor Current – Ia (A) : 51

Cos φ : 0.91

Ia / In : 2.6

Locked rotor Torque – Ma (Nm) : 39

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

Ma / Mn : 1.1

Moment of inertia J (kgm)² : 0.03

Breakdown Torque – Mk (Nm) : 129

Mk / Mn : 3.6

MECHANICAL DESIGN

Frame : Aluminium

End shields : Aluminium

Cooling fan : Plastic

Terminal box : Plastic

Cable gland : Pg 29

No of cable glands : 2

Bearing Arrangement

Standard design

Drive End

6309 ZZ C3

Non Drive End

6209 ZZ C3

Reinforced design

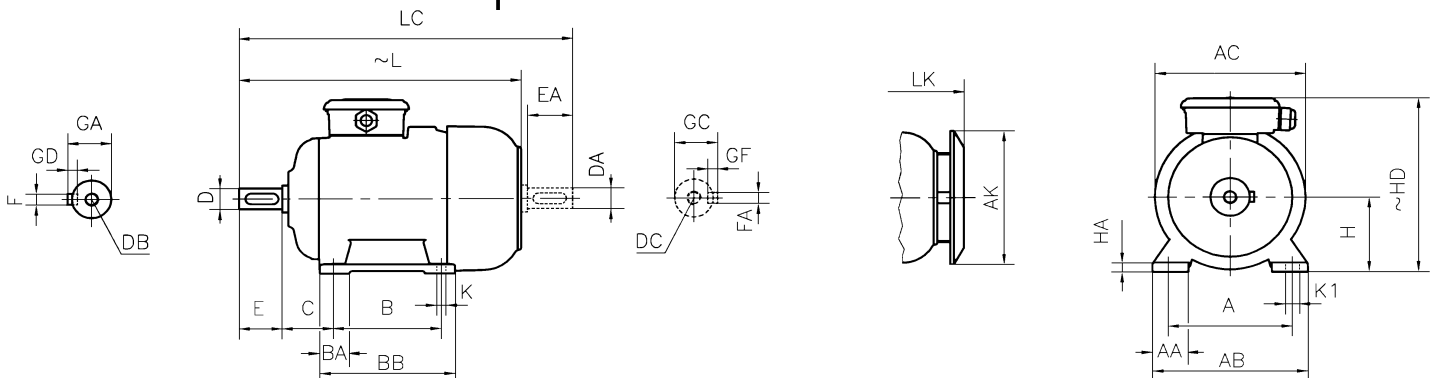
NU 309 E

6309 C3

Noise Level (dB-A) : 70

Paint : RAL 7031- Grey

Approximate weight (kg) : 67



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	DB	ØD	GA	FxGD
~	~													~		~		EA	DC	ØDA	GC	FAXGF	
160	380	21.5	254	60	312	310	303	15	19	210	254	60	104	304	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.