

AGM 160 M 8a

3-Phase 400 V (Δ) 50 Hz

Duty Type : S1

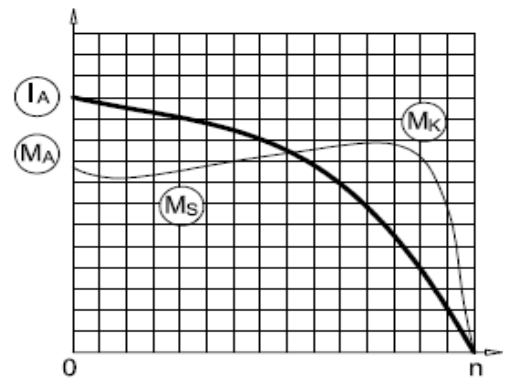
Degree of protection : IP 55 (TEFC)

Insulation class : F (155 °C)

Temp rise : Class B (80K)

Mounting Design : B3

GAMAK



ELECTRICAL DESIGN

Direct On Line

Rated output (kW) : 4

Locked rotor Current – I_a (A) : 44

I_a / I_n : 4.8

Speed (rpm) : 710

Locked rotor Torque – M_a (Nm) : 113

M_a / M_n : 2.1

Rated current (A) : 9.1

Y / Δ Starting

Torque – M_n (Nm) : 53.8

Locked rotor Current – I_a (A) : 14

I_a / I_n : 1.5

Cos φ : 0.77

Locked rotor Torque – M_a (Nm) : 38

	4/4	3/4	1/2
Efficiency %	82.2	82.2	79.3

M_a / M_n : 0.7

Moment of inertia J (kgm)² : 0.06

Breakdown Torque – M_k (Nm) : 129

M_k / M_n : 2.4

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

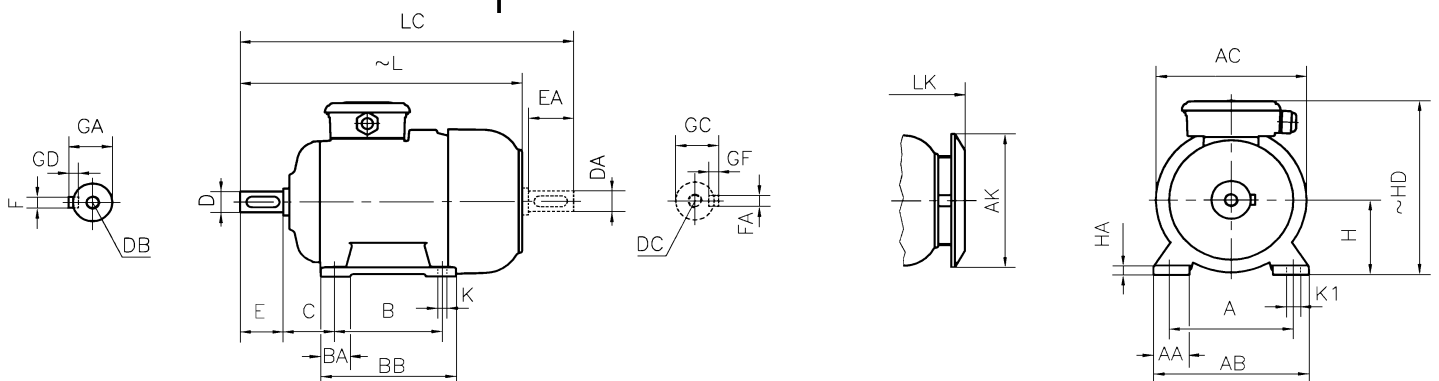
NU 309 E

6309 C3

Noise Level (dB-A) : 61

Paint : RAL 7031- Grey

Approximate weight (kg) : 63



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	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.