

GM2E 315 M 2b

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

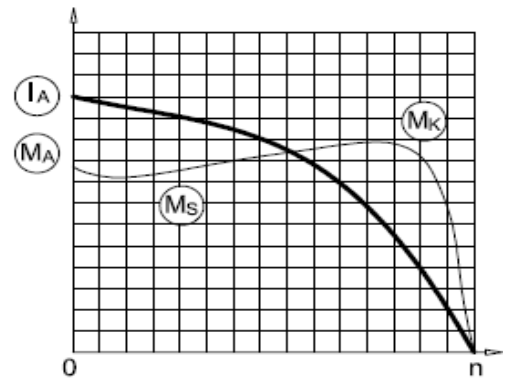
Duty Type : S1

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) : 160

Locked rotor Current – Ia (A) : 2075

Ia / In : 7.8

Speed (rpm) : 2980

Locked rotor Torque – Ma (Nm) : 1283

Ma / Mn : 2.5

Rated current (A) : 266

Y / Δ Starting

Torque – Mn (Nm) : 513

Locked rotor Current – Ia (A) : 692

Ia / In : 2.6

Cos φ : 0.92

Locked rotor Torque – Ma (Nm) : 410

Ma / Mn : 0.8

	4/4	3/4	1/2
Efficiency %	94.8	94.8	93.4

Moment of inertia J (kgm)² : 1.4

Breakdown Torque – Mk (Nm) : 1642

Mk / Mn : 3.2

MECHANICAL DESIGN

Frame : Cast Iron

End shields : Cast Iron

Cooling fan : Plastic

Terminal box : Aluminium

Cable gland : Pg 48

No of cable glands : 2

Bearing Arrangement

Standard design

Drive End

6316 C3

Non Drive End

6316 C3

Reinforced design

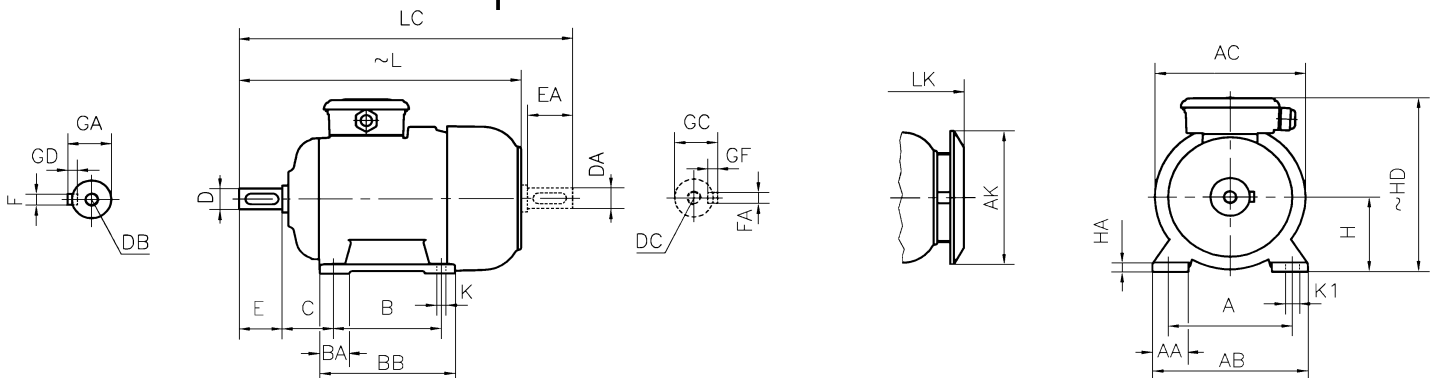
NU 316 E

6316 C3

Noise Level (dB-A) : 79

Paint : RAL 7031- Grey

Approximate weight (kg) : 812



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
315	825	50	508	125	620	614	571	28	-	-	457	115	166	550	1120	1270	1197	216	140	M20	65	69	18X11

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