

GM2E 250 M 2

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

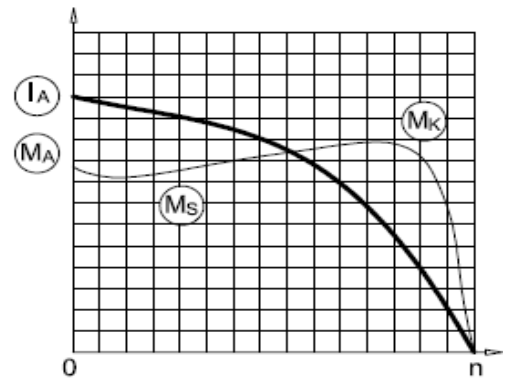
Duty Type : S1

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) : 55

Locked rotor Current – Ia (A) : 714

Ia / In : 7.6

Speed (rpm) : 2980

Locked rotor Torque – Ma (Nm) : 458

Ma / Mn : 2.6

Rated current (A) : 94

Y / Δ Starting

Torque – Mn (Nm) : 176

Locked rotor Current – Ia (A) : 235

Ia / In : 2.5

Cos φ : 0.91

Locked rotor Torque – Ma (Nm) : 141

Ma / Mn : 0.8

Efficiency % :

4/4	3/4	1/2
93.2	93.7	92.2

Moment of inertia J (kgm)² : 0.41

Breakdown Torque – Mk (Nm) : 475

Mk / Mn : 2.7

MECHANICAL DESIGN

Frame : Cast Iron

End shields : Cast Iron

Cooling fan : Plastic

Terminal box : Aluminium

Cable gland : Pg 42

No of cable glands : 2

Bearing Arrangement

Standard design

Drive End

6315 ZZ C3

Non Drive End

6215 ZZ C3

Reinforced design

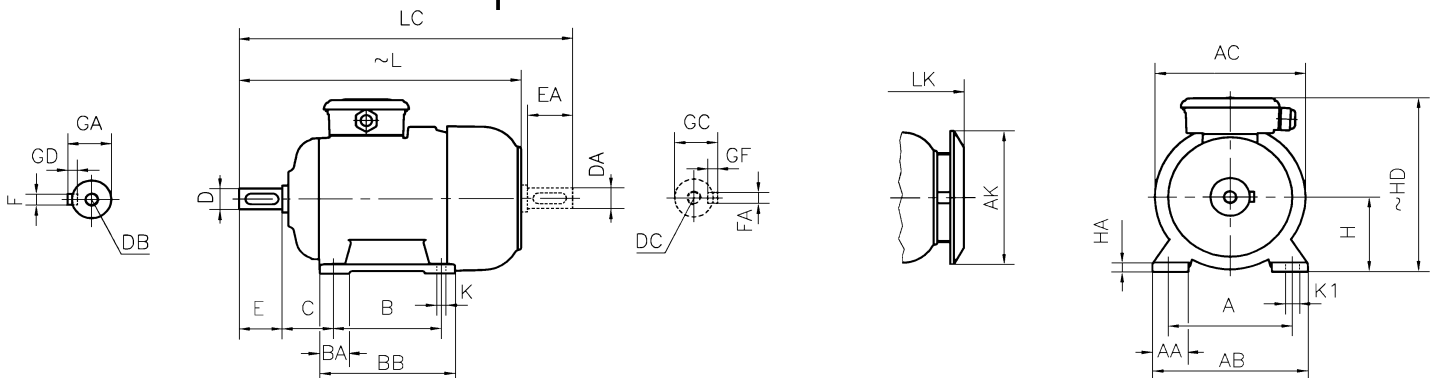
NU 315 E

6315 C3

Noise Level (dB-A) : 76

Paint : RAL 7031- Grey

Approximate weight (kg) : 445



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
250	572	35	406	80	484	480	440	24	-	349	-	75	-	410	896	1044	952	168	140	M20	60	64	18X11

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