

GM2E 280 S 2

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

Duty Type : S1

Degree of protection : IP 55 (TEFC)

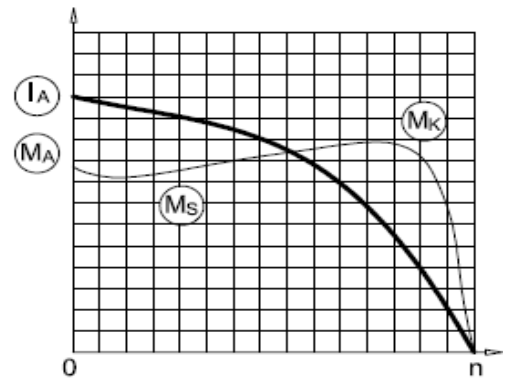
Insulation class : F (155 °C)

Temp rise : Class B (80K)

Mounting Design : B3

ELECTRICAL DESIGN

Direct On Line



Rated output (kW) : 75

Locked rotor Current – I_a (A) : 889

I_a / I_n : 7.0

Speed (rpm) : 2980

Locked rotor Torque – M_a (Nm) : 576

M_a / M_n : 2.4

Rated current (A) : 127

Y / Δ Starting

Torque – M_n (Nm) : 240

Locked rotor Current – I_a (A) : 330

I_a / I_n : 2.6

Cos φ : 0.91

Locked rotor Torque – M_a (Nm) : 192

	4/4	3/4	1/2
Efficiency %	93.9	94.1	92.5

M_a / M_n : 0.8

Moment of inertia J (kgm)² : 0.53

Breakdown Torque – M_k (Nm) : 600

M_k / M_n : 2.5

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

6315 ZZ C3

Reinforced design

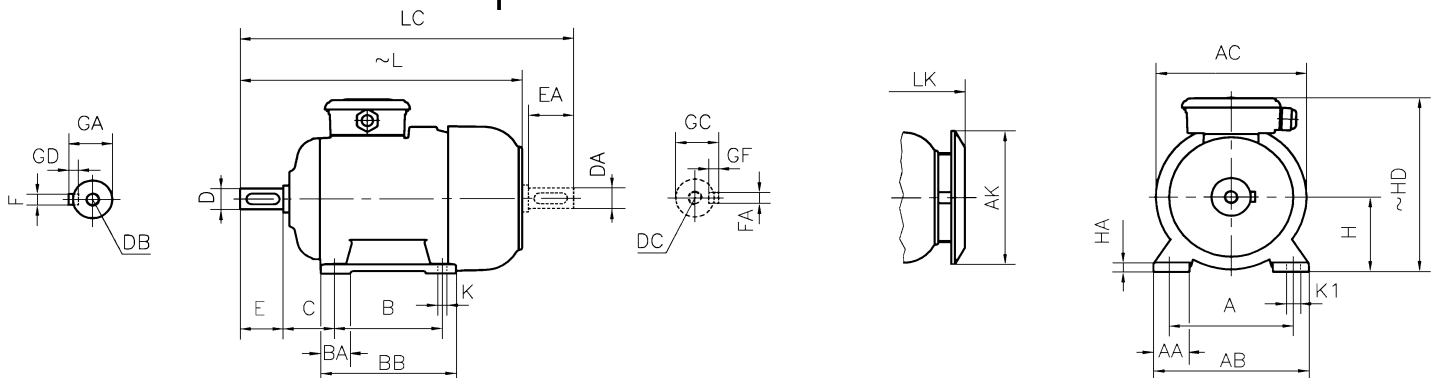
NU 315 E

6315 C3

Noise Level (dB-A) : 76

Paint : RAL 7031- Grey

Approximate weight (kg) : 512



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
280	630	40	457	120	550	544	440	24	-	368	-	85	128	474	958	1106	1014	190	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.