

GM2E 280 S 6

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

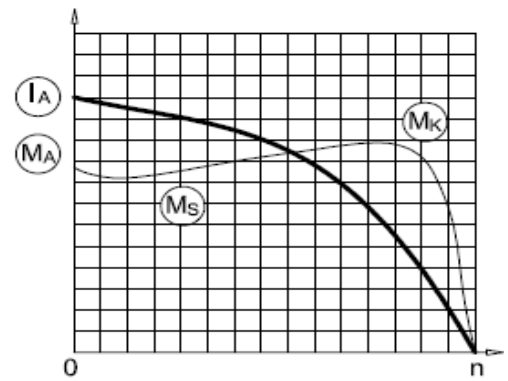
Duty Type : S1

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) : 45

Locked rotor Current – Ia (A) : 644

Ia / In : 7.0

Speed (rpm) : 985

Locked rotor Torque – Ma (Nm) : 1439

Ma / Mn : 3.3

Rated current (A) : 92

Y / Δ Starting

Torque – Mn (Nm) : 436

Locked rotor Current – Ia (A) : 212

Ia / In : 2.3

Cos ϕ : 0.76

Locked rotor Torque – Ma (Nm) : 480

Efficiency % : 92.7 92.7 90.9

Ma / Mn : 1.1

Moment of inertia J (kgm)² : 1.2

Breakdown Torque – Mk (Nm) : 1134

Mk / Mn : 2.6

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

6316 ZZ C3

Non Drive End

6316 ZZ C3

Reinforced design

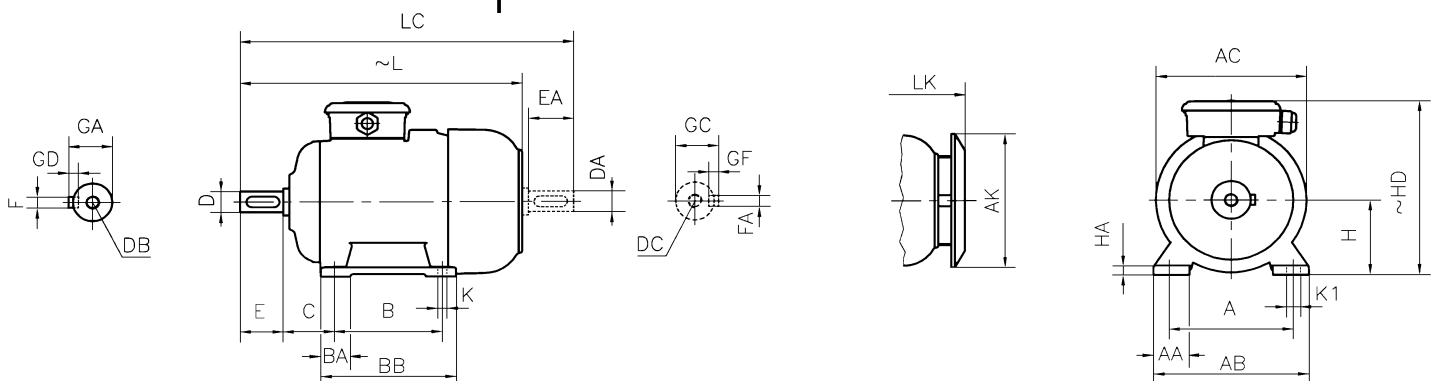
NU 316 E

6316 C3

Noise Level (dB-A) : 65

Paint : RAL 7031- Grey

Approximate weight (kg) : 500



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	75	79.5	20X12

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