

# GM2E 315 S 2

# IE2

# GAMAK

3-Phase 400 V (Δ) 50 Hz

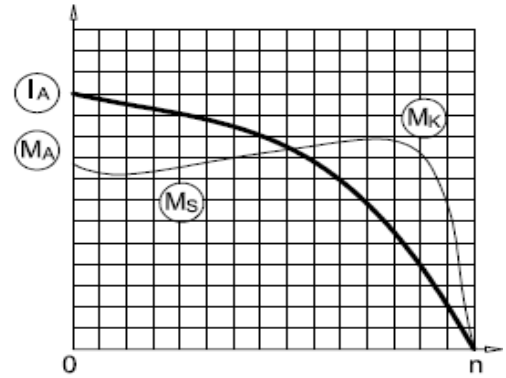
Duty Type : S1

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) : 110

Locked rotor Current – Ia (A) : 1302

Ia / In : 7.0

Speed (rpm) : 2980

Locked rotor Torque – Ma (Nm) : 883

Ma / Mn : 2.5

Rated current (A) : 186

## Y / Δ Starting

Torque – Mn (Nm) : 353

Locked rotor Current – Ia (A) : 428

Ia / In : 2.3

Cos φ : 0.91

Locked rotor Torque – Ma (Nm) : 282

Efficiency %	4/4	3/4	1/2
	94.3	94.3	92.8

Ma / Mn : 0.8

Moment of inertia J (kgm)<sup>2</sup> : 1

Breakdown Torque – Mk (Nm) : 1059

Mk / Mn : 3.0

## 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

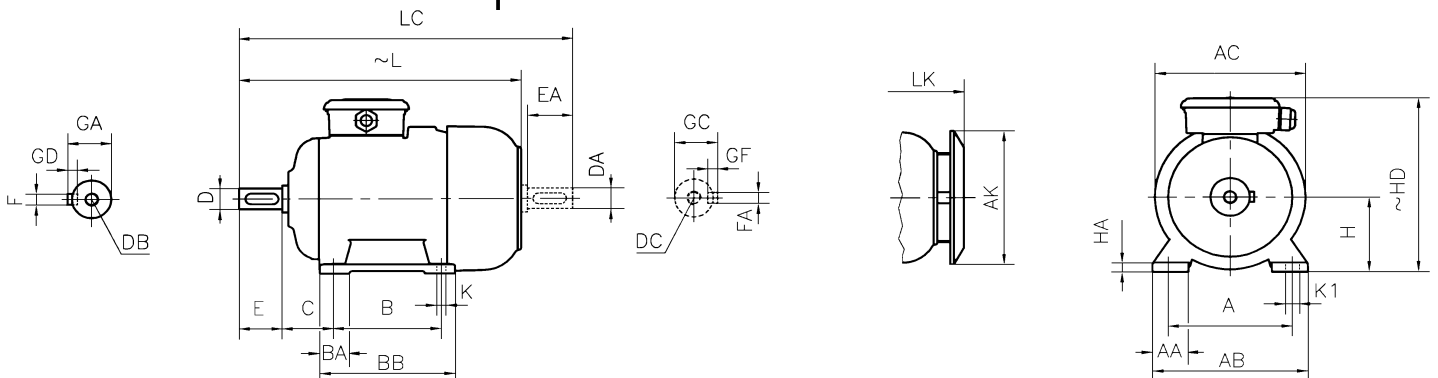
NU 316 E

6316 C3

Noise Level (dB-A) : 79

Paint : RAL 7031- Grey

Approximate weight (kg) : 675



## 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	-	406	-	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.