

GM2E 315 M 6a

IE2

GAMAK

3-Phase 400 V (Δ) 50 Hz

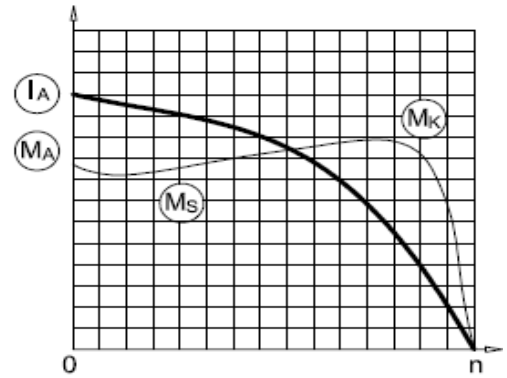
Duty Type : S1

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) : 90

Locked rotor Current – I_a (A) : 1162

I_a / I_n : 7.0

Speed (rpm) : 990

Locked rotor Torque – M_a (Nm) : 2170

M_a / M_n : 2.5

Rated current (A) : 166

Y / Δ Starting

Torque – M_n (Nm) : 868

Locked rotor Current – I_a (A) : 382

I_a / I_n : 2.3

Cos φ : 0.83

Locked rotor Torque – M_a (Nm) : 694

	4/4	3/4	1/2
Efficiency %	94.0	94	92.6

M_a / M_n : 0.8

Moment of inertia J (kgm)² : 2.9

Breakdown Torque – M_k (Nm) : 2604

M_k / M_n : 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

6318 C3

Non Drive End

6318 C3

Reinforced design

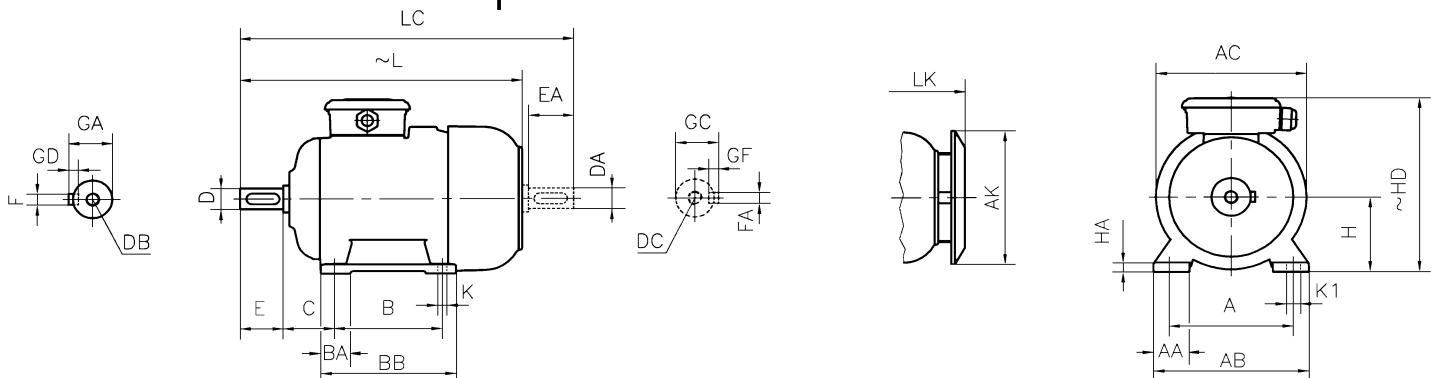
NU 318 E

6318 C3

Noise Level (dB-A) : 72

Paint : RAL 7031- Grey

Approximate weight (kg) : 805



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	51	28	-	-	457	115	166	550	1150	1330	1227	216	170	M20	85	90	22X14

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