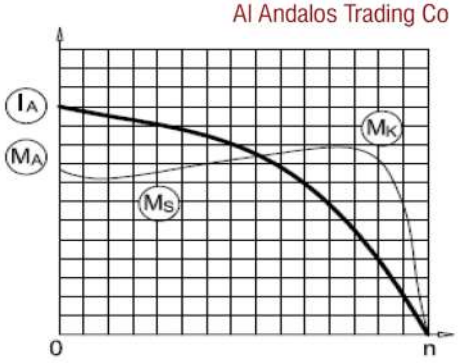
GM 315 M 4a

GAMAK

شركة الأندلس التجارية
Al Andalos Trading Co

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)	: 132	Locked rotor Current – Ia (A)	: 1645
		Ia / In	: 7.0
Speed (rpm)	: 1485	Locked rotor Torque – Ma (Nm)	: 1953
		Ma / Mn	: 2.3
Rated current (A)	: 235		

Y / Δ Starting

Torque – Mn (Nm)	: 849		
		Locked rotor Current – Ia (A)	: 541
		Ia / In	: 2.3
Cos φ	: 0.86	Locked rotor Torque – Ma (Nm)	: 594
		Ma / Mn	: 0.7
Moment of inertia J (kgm)²	: 2.5	Breakdown Torque – Mk (Nm)	: 2207
		Mk / Mn	: 2.6

	4/4	3/4	1/2
Efficiency %	: 94.7	94.5	93.8

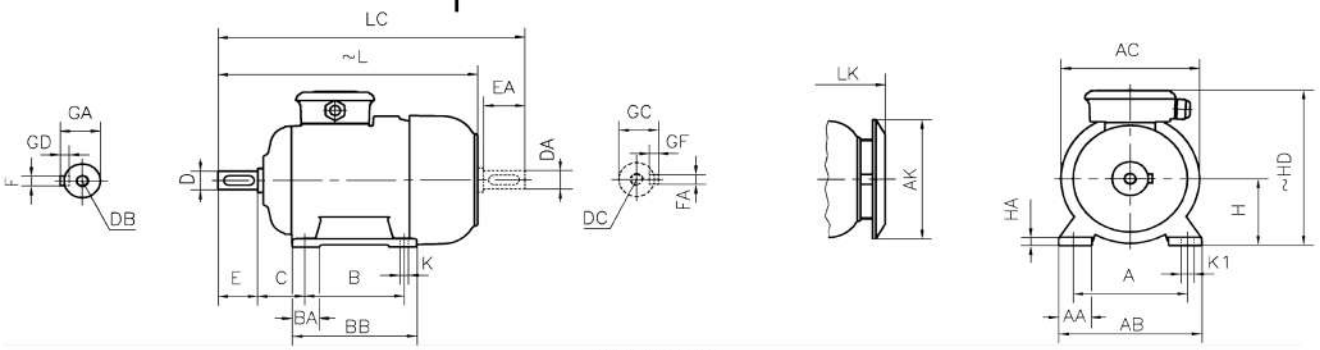
MECHANICAL DESIGN

Frame	: Cast Iron
End shields	: Cast Iron
Cooling fan	: Plastic
Terminal box	: Aluminium
Cable gland	: Pg 48
No of cable glands	: 2

Bearing Arrangement

	Drive End	Non Drive End
Standard design	6318 C3	6318 C3
Reinforced design	NU 318 E	6318 C3

Noise Level (dB-A)	: 74
Paint	: RAL 7031- Grey
Approximate weight (kg)	: 861



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.

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