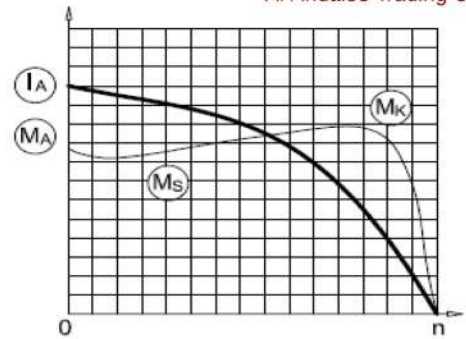


GM315 M 6a



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
- Speed (rpm) : 990
- Rated current (A) : 166
- Torque – Mn (Nm) : 868
- Cos φ : 0.83
- Efficiency % : 94.0 (4/4), 94 (3/4), 92.6 (1/2)

- Locked rotor Current – Ia (A) : 1162
- Ia / In : 7.0
- Locked rotor Torque – Ma (Nm) : 2170
- Ma / Mn : 2.5

Y / Δ Starting

Moment of inertia J (kgm)² : 2.9

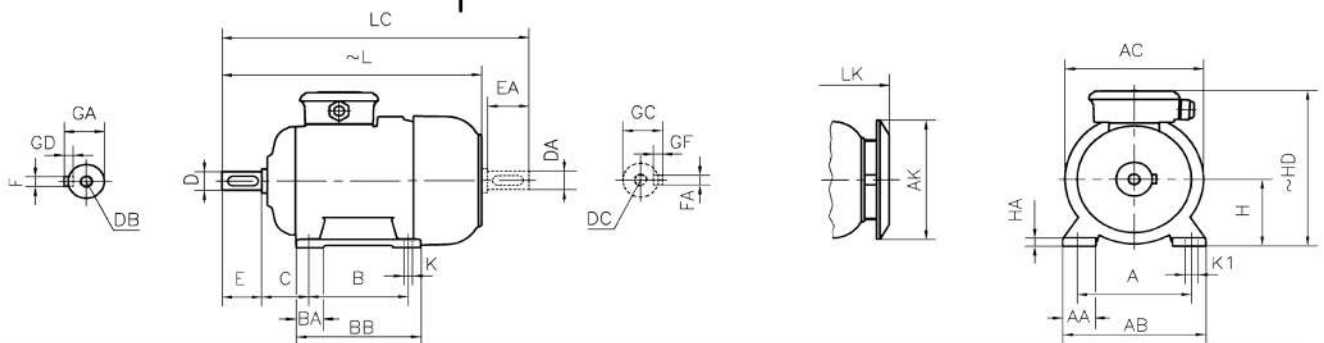
- Locked rotor Current – Ia (A) : 382
- Ia / In : 2.3
- Locked rotor Torque – Ma (Nm) : 694
- Ma / Mn : 0.8
- Breakdown Torque – Mk (Nm) : 2604
- Mk / Mn : 3.0

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

	Drive End	Non Drive End
Standard design	6318 C3	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	DB	ØD	GA	FxGD
~	~																	EA	DC	ØDA	GC	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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Egypt-Giza-of October City

Lelat Alqader-Almaged Center