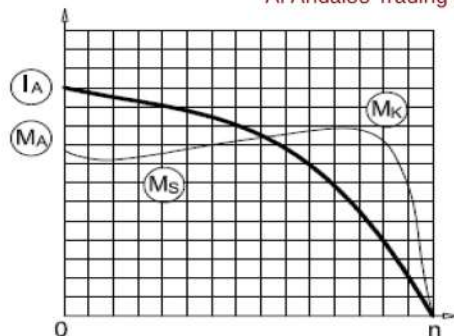


# GM 315 S 2



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	
Torque – Mn (Nm) : 353	
Cos φ : 0.91	
Efficiency % : 94.3	

### Y / Δ Starting

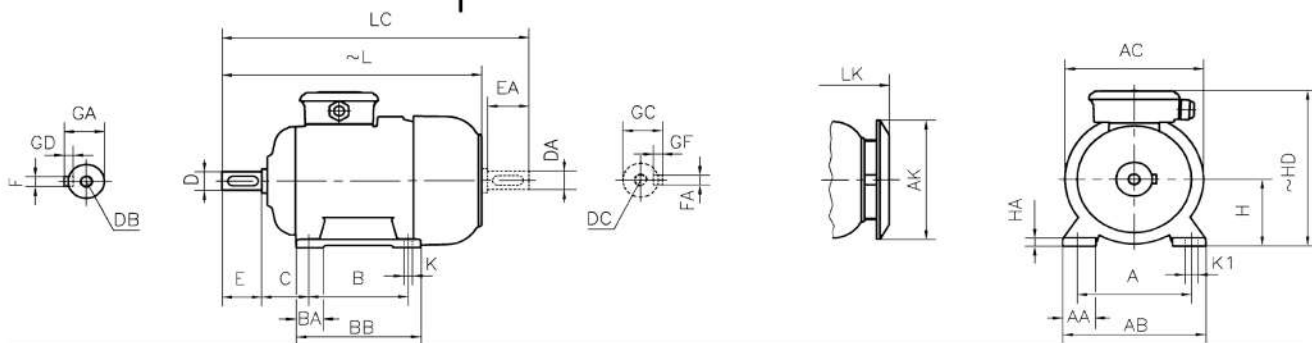
Locked rotor Current – Ia (A) : 428
Ia / In : 2.3
Locked rotor Torque – Ma (Nm) : 282
Ma / Mn : 0.8
Breakdown Torque – Mk (Nm) : 1059
Mk / Mn : 3.0

## 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

	Drive End	Non Drive End
Standard design	6316 C3	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	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.

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Egypt-Giza-of October City

Lelat Alqader-Almaged Center