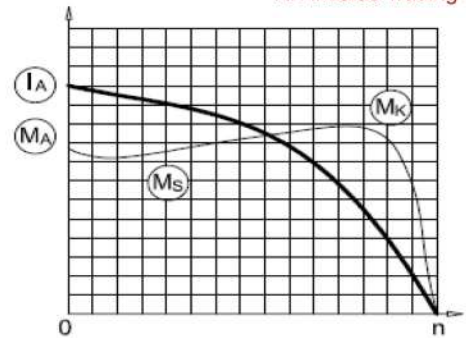


# GM 225 M 2



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

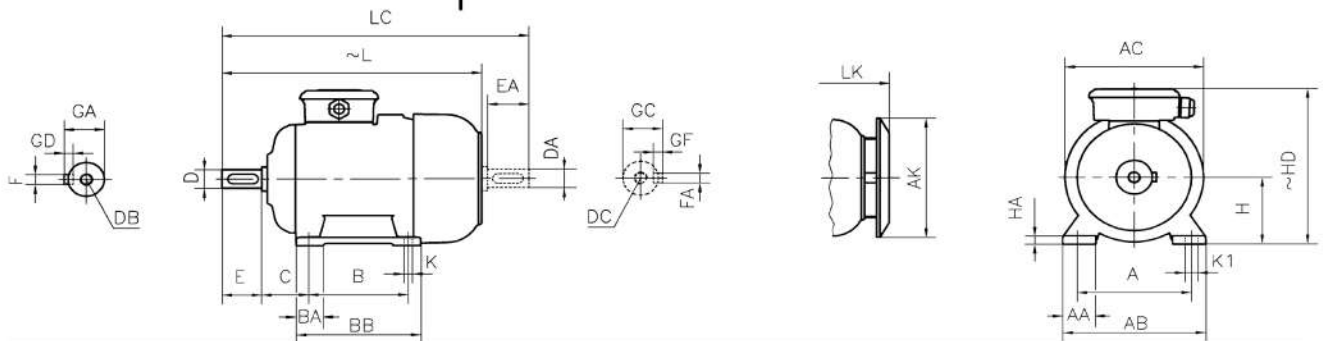
Rated output (kW) : 45	Locked rotor Current – Ia (A) : 616
	Ia / In : 8.0
Speed (rpm) : 2975	Locked rotor Torque – Ma (Nm) : 346
	Ma / Mn : 2.4
Rated current (A) : 77	
<b>Y / Δ Starting</b>	
Torque – Mn (Nm) : 144	Locked rotor Current – Ia (A) : 208
	Ia / In : 2.7
Cos φ : 0.91	Locked rotor Torque – Ma (Nm) : 115
	Ma / Mn : 0.8
Efficiency % : 92.9    93    91.8	Breakdown Torque – Mk (Nm) : 418
	Mk / Mn : 2.9
Moment of inertia J (kgm) <sup>2</sup> : 0.23	

## MECHANICAL DESIGN

- Frame : Cast Iron
- End shields : Cast Iron
- Cooling fan : Plastic
- Terminal box : Aluminium
- Cable gland : Pg 36
- No of cable glands : 2

### Bearing Arrangement

	Drive End	Non Drive End
Standard design	6313 ZZ C3	6213 ZZ C3
Reinforced design	NU 313 E	6313 C3
Noise Level (dB-A)	: 73	
Paint	: RAL 7031- Grey	
Approximate weight (kg)	: 343	



### 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
225	510	30	356	82	438	434	370	19	-	311	-	76	-	371	790	908	846	149	110	M20	55	59	16X10				

\* 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