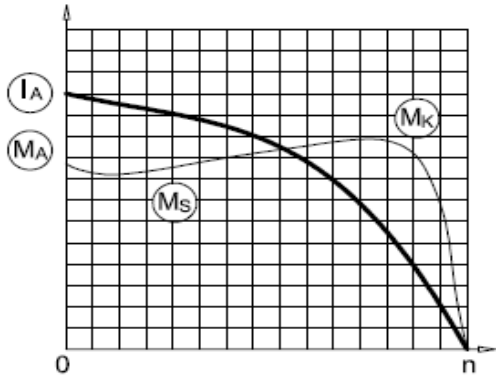
GM2E 225 M 2

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)	: 45
Speed (rpm)	: 2975
Rated current (A)	: 77
Torque – Mn (Nm)	: 144
Cos φ	: 0.91

	4/4	3/4	1/2
Efficiency %	: 92.9	93	91.8

Moment of inertia J (kgm)² : 0.23

Locked rotor Current – Ia (A)	: 616
Ia / In	: 8.0
Locked rotor Torque – Ma (Nm)	: 346
Ma / Mn	: 2.4

Y / Δ Starting

Locked rotor Current – Ia (A)	: 208
Ia / In	: 2.7
Locked rotor Torque – Ma (Nm)	: 115
Ma / Mn	: 0.8
Breakdown Torque – Mk (Nm)	: 418
Mk / Mn	: 2.9

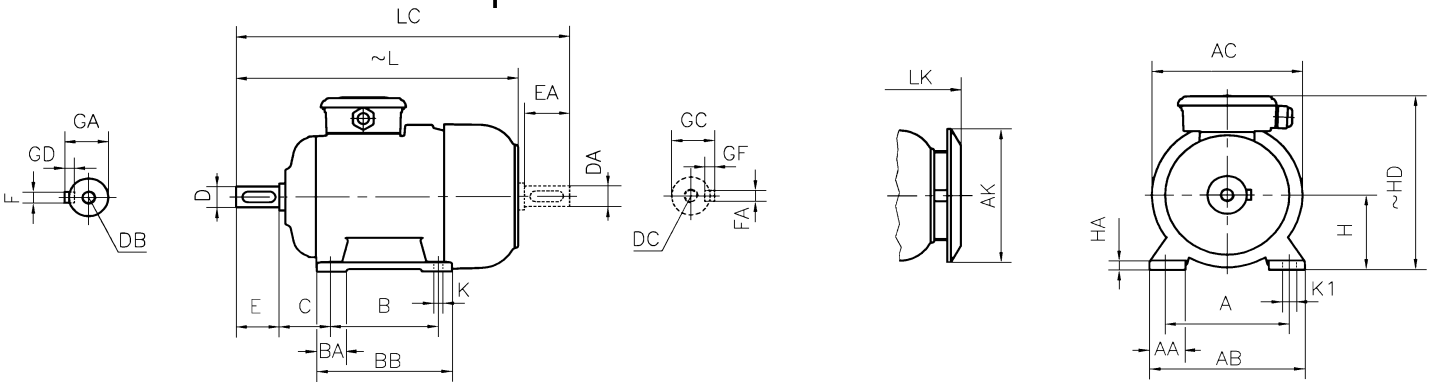
MECHANICAL DESIGN

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	ØD 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.