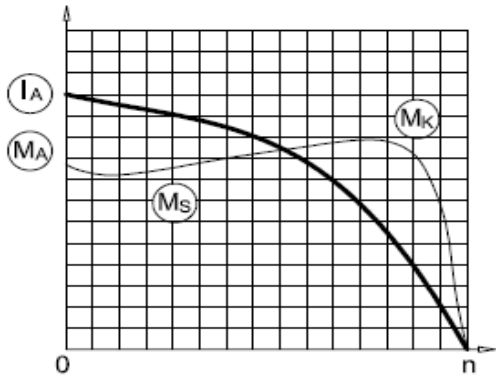
GM2E 180 L 6

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)	: 15
Speed (rpm)	: 965
Rated current (A)	: 29
Torque – Mn (Nm)	: 148
Cos φ	: 0.83

	4/4	3/4	1/2
Efficiency %	: 89.7	89.7	86.8

Moment of inertia J (kgm)² : 0,20

Locked rotor Current – Ia (A)	: 189
Ia / In	: 6.5
Locked rotor Torque – Ma (Nm)	: 355
Ma / Mn	: 2.4

Y / Δ Starting

Locked rotor Current – Ia (A)	: 61
Ia / In	: 2.1
Locked rotor Torque – Ma (Nm)	: 118
Ma / Mn	: 0.8
Breakdown Torque – Mk (Nm)	: 444
Mk / Mn	: 3.0

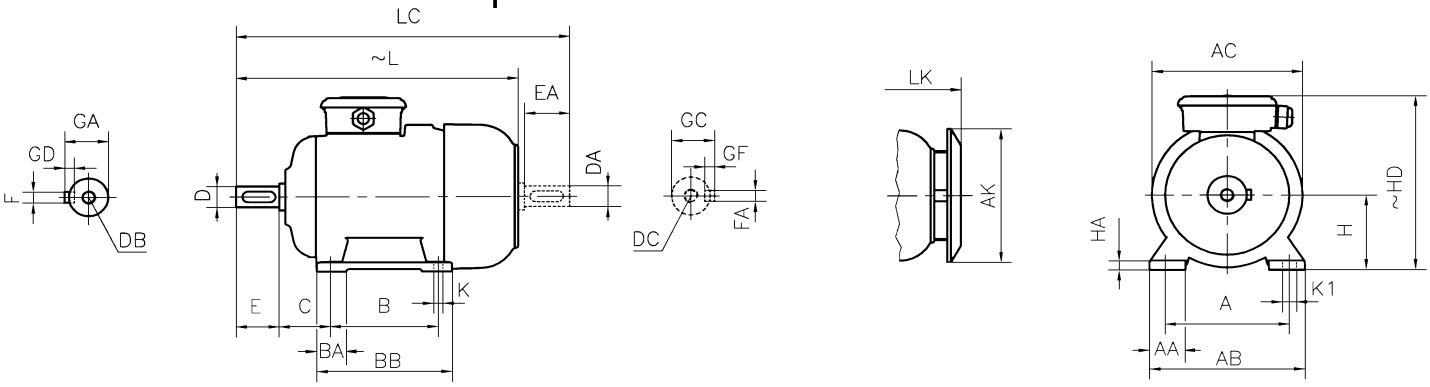
MECHANICAL DESIGN

Frame	: Cast Iron
End shields	: Cast Iron
Cooling fan	: Plastic
Terminal box	: Plastic
Cable gland	: Pg 29
No of cable glands	: 2

Bearing Arrangement

	Drive End	Non Drive End
Standard design	6310 ZZ C3	6210 ZZ C3
Reinforced design	NU 310 E	6310 C3

Noise Level (dB-A)	: 62
Paint	: RAL 7031- Grey
Approximate weight (kg)	: 189



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
180	421	24	279	68	354	348	303	15	-	279	-	62	-	329	695	811	752	121	110	M16	48	51.5	14X9

* Efficiencies are calculated according to indirect method where the additional load losses are determined from exact measurements at different load points.