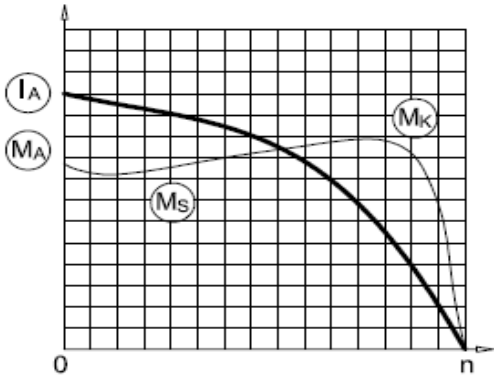
GM2E 180 M 4

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) : 18.5

Speed (rpm) : 1470

Rated current (A) : 34.5

Torque – Mn (Nm) : 120

Cos φ : 0.85

	4/4	3/4	1/2
Efficiency %	: 91.3	91.4	90.4

Moment of inertia J (kgm)² : 0.13

Locked rotor Current – Ia (A) : 266

Ia / In : 7.7

Locked rotor Torque – Ma (Nm) : 384

Ma / Mn : 3.2

Y / Δ Starting

Locked rotor Current – Ia (A) : 86

Ia / In : 2.5

Locked rotor Torque – Ma (Nm) : 120

Ma / Mn : 1.0

Breakdown Torque – Mk (Nm) : 408

Mk / Mn : 3.4

MECHANICAL DESIGN

Frame : Cast Iron

End shields : Cast Iron

Cooling fan : Plastic

Terminal box : Plastic

Cable gland : Pg 29

No of cable glands : 2

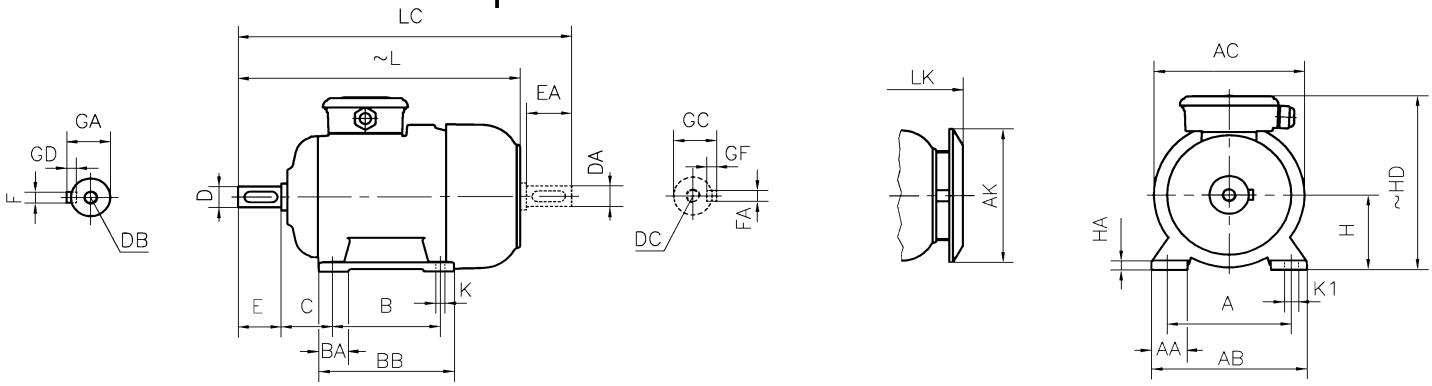
Bearing Arrangement

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

Noise Level (dB-A) : 64

Paint : RAL 7031- Grey

Approximate weight (kg) : 165



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	-	241	279	57	85	319	657	773	714	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.