

AGM 80 4a

3-Phase 230/400 V 50 Hz

Duty Type : S1

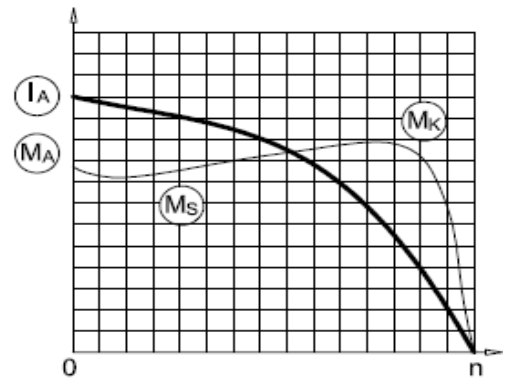
Degree of protection : IP 55 (TEFC)

Insulation class : F (155 °C)

Temp rise : Class B (80K)

Mounting Design : B3

GAMAK



ELECTRICAL DESIGN

Direct On Line

Rated output (kW) : 0.55

Locked rotor Current – I_a (A) : 6

I_a / I_n : 3.5

Speed (rpm) : 1365

Locked rotor Torque – M_a (Nm) : 7

M_a / M_n : 1.9

Rated current (A) : 1.6

Y / Δ Starting

Torque – M_n (Nm) : 3.85

Locked rotor Current – I_a (A) : -

Cos φ : 0.72

I_a / I_n : -

Locked rotor Torque – M_a (Nm) : -

Efficiency % : 69.1 69 65.2

M_a / M_n : -

Moment of inertia J (kgm)² : 0.00083

Breakdown Torque – M_k (Nm) : 8

M_k / M_n : 2.0

MECHANICAL DESIGN

Frame : Aluminium

End shields : Aluminium

Cooling fan : Plastic

Terminal box : Plastic

Cable gland : Pg 16

No of cable glands : 1

Bearing Arrangement

Standard design

Drive End

6204 ZZ

Non Drive End

6204 ZZ

Reinforced design

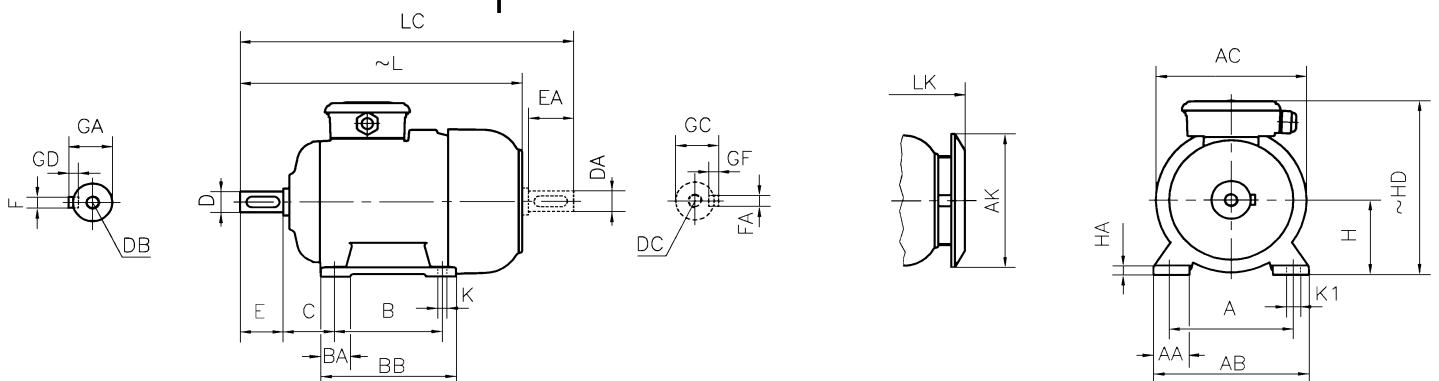
-

-

Noise Level (dB-A) : 46

Paint : RAL 7031- Grey

Approximate weight (kg) : 7.5



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
80	198	10	125	38	160	156	151	10	15	100	-	33	-	125	279	324	308	50	40	M6	19	21.5	6X6

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