

AGM3E 80 2b

IE3

GAMAK

3-Phase 230/400 V 50 Hz

Duty Type : S1

Degree of protection : IP 55 (TEFC)

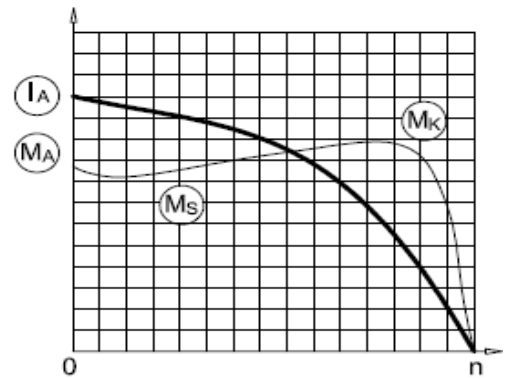
Insulation class : F (155 °C)

Temp rise : Class B (80K)

Mounting Design : B3

ELECTRICAL DESIGN

Direct On Line



Rated output (kW) : 1.1

Locked rotor Current – I_a (A) : 14

I_a / I_n : 5.9

Speed (rpm) : 2900

Locked rotor Torque – M_a (Nm) : 9

M_a / M_n : 2.6

Rated current (A) : 2.3

Y / Δ Starting

Torque – M_n (Nm) : 3.62

Locked rotor Current – I_a (A) : -

I_a / I_n : -

Cos φ : 0.83

Locked rotor Torque – M_a (Nm) : -

M_a / M_n : -

	4/4	3/4	1/2
Efficiency %	82.7	82.5	80.6

Moment of inertia J (kgm)² : 0.0008

Breakdown Torque – M_k (Nm) : 13

M_k / M_n : 3.7

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

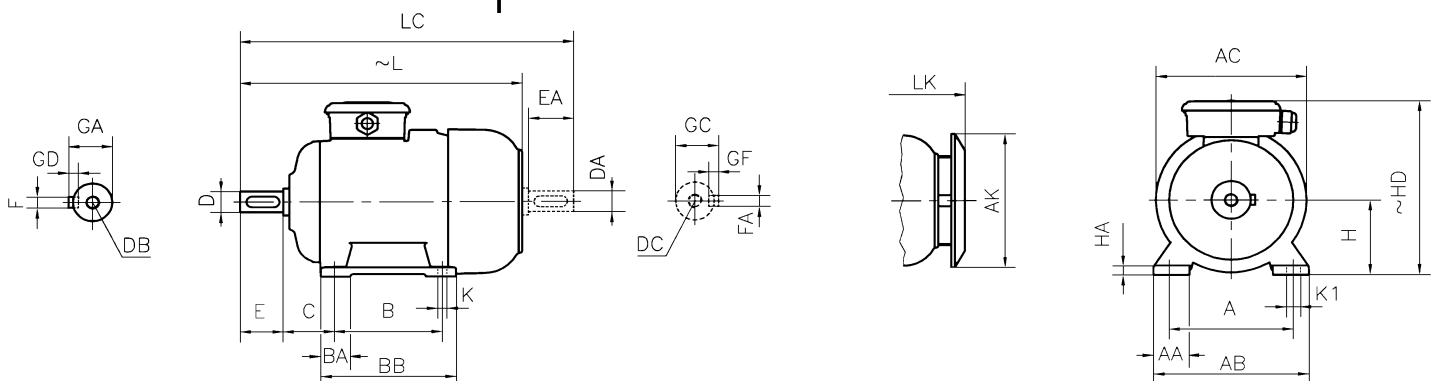
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Noise Level (dB-A) : 54

Paint : RAL 7031- Grey

Approximate weight (kg) : 10.4



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.