

AGM2E 90 S 4

IE2

GAMAK

3-Phase 230/400 V 50 Hz

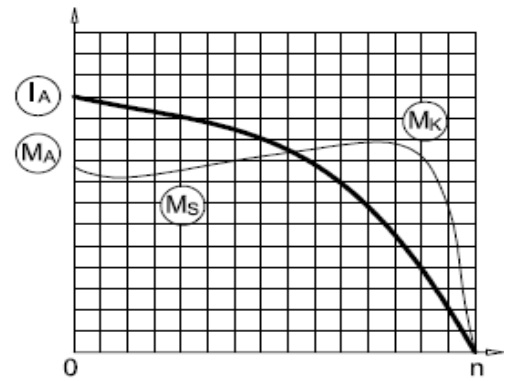
Duty Type : S1

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 : 5.5

Speed (rpm) : 1420

Locked rotor Torque – M_a (Nm) : 22

M_a / M_n : 3.0

Rated current (A) : 2.6

Y / Δ Starting

Torque – M_n (Nm) : 7.39

Locked rotor Current – I_a (A) : -

Cos φ : 0.75

I_a / I_n : -

Locked rotor Torque – M_a (Nm) : -

	4/4	3/4	1/2
Efficiency %	82.0	82	80.5

M_a / M_n : -

Moment of inertia J (kgm)² : 0.0022

Breakdown Torque – M_k (Nm) : 24

M_k / M_n : 3.3

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

6205 ZZ

Non Drive End

6205 ZZ

Reinforced design

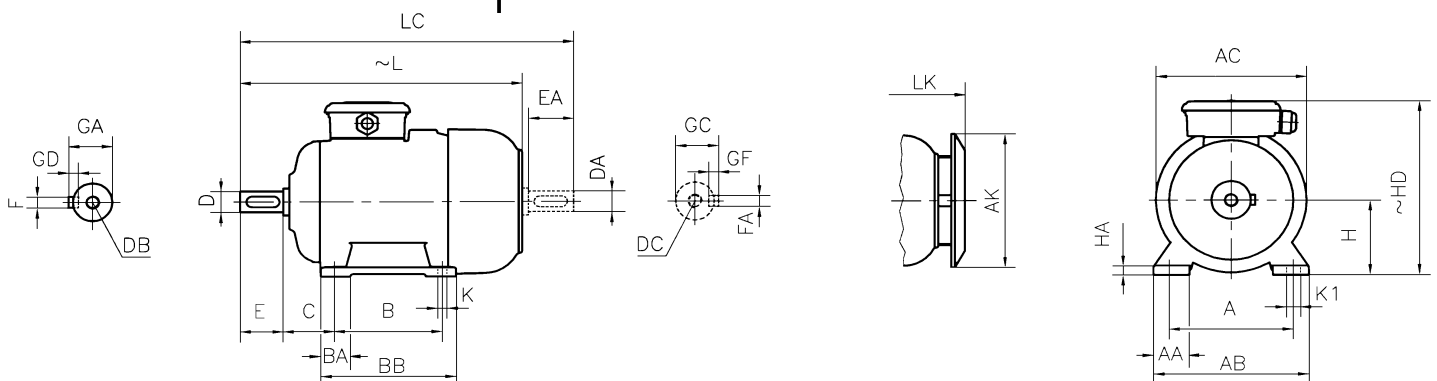
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Noise Level (dB-A) : 46

Paint : RAL 7031- Grey

Approximate weight (kg) : 12.5



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
90	216	12	140	43	180	176	151	10	15	100	-	35	-	130	309	364	338	56	50	M8	24	27	8X7

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