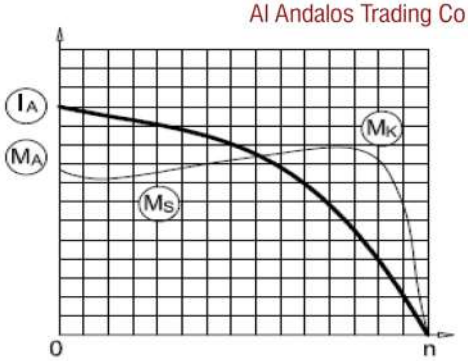
## AGM 100 L 4a

GAMAK

شركة الأندلس التجارية
Al Andalos Trading Co

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) | : 2.2 |
| Speed (rpm) | : 1435 |
| Rated current (A) | : 5 |
| Torque – Mn (Nm) | : 14.6 |
| Cos φ | : 0.75 |

| | 4/4 | 3/4 | 1/2 |
|---|---|---|---|
| Efficiency % | : 84.5 | 84.6 | 82.5 |

Moment of inertia J (kgm)² : 0.0044

| | |
|---|---|
| Locked rotor Current – Ia (A) | : 30 |
| Ia / In | : 5.9 |
| Locked rotor Torque – Ma (Nm) | : 42 |
| Ma / Mn | : 2.9 |

### Y / Δ Starting

| | |
|---|---|
| Locked rotor Current – Ia (A) | : - |
| Ia / In | : - |
| Locked rotor Torque – Ma (Nm) | : - |
| Ma / Mn | : - |
| Breakdown Torque – Mk (Nm) | : 50 |
| Mk / Mn | : 3.4 |

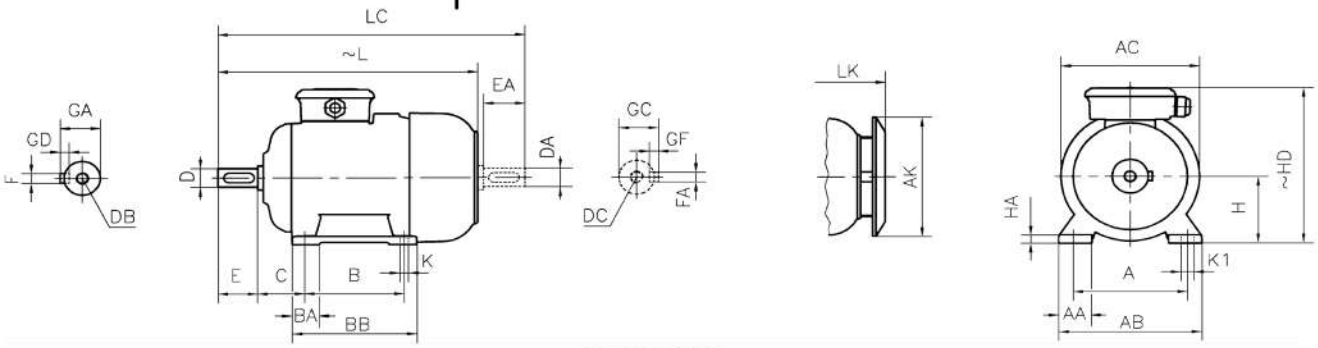
## MECHANICAL DESIGN

| | |
|---|---|
| Frame | : Aluminium |
| End shields | : Aluminium |
| Cooling fan | : Plastic |
| Terminal box | : Plastic |
| Cable gland | : Pg 16 |
| No of cable glands | : 2 |

**Bearing Arrangement**

| | Drive End | Non Drive End |
|---|---|---|
| Standard design | 6206 ZZ | 6206 ZZ |
| Reinforced design | - | - |

| | |
|---|---|
| Noise Level (dB-A) | : 50 |
| Paint | : RAL 7031- Grey |
| Approximate weight (kg) | : 17.5 |




**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 234 | 13 | 160 | 47 | 200 | 194 | 189 | 12 | 18 | 140 | - | 39 | - | 175 | 376 | 442 | 413 | 63 | 60 | M10 | 28 | 31 | 8X7 |

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


contact:
Mob:00201022621584/00201092425789
Email:info@andalos-trading.com
website:www.andalos-trading.com

Egypt-Giza-of October City
Lelat Alqader-Almaged Center