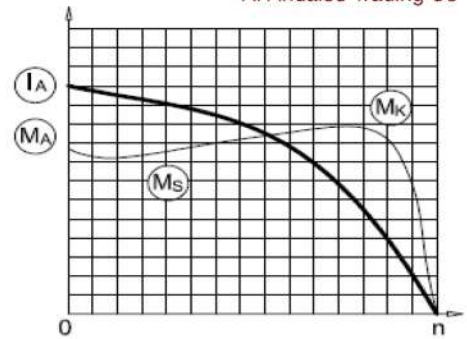


GMM 315 L 6a



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) : 132
- Speed (rpm) : 990
- Rated current (A) : 235
- Torque – Mn (Nm) : 1273
- Cos φ : 0.86
- Efficiency % : 94.6 (4/4), 94.6 (3/4), 93 (1/2)
- Moment of inertia J (kgm)² : 3.6

- Locked rotor Current – Ia (A) : 1645
- Ia / In : 7.0
- Locked rotor Torque – Ma (Nm) : 3183
- Ma / Mn : 2.5

Y / Δ Starting

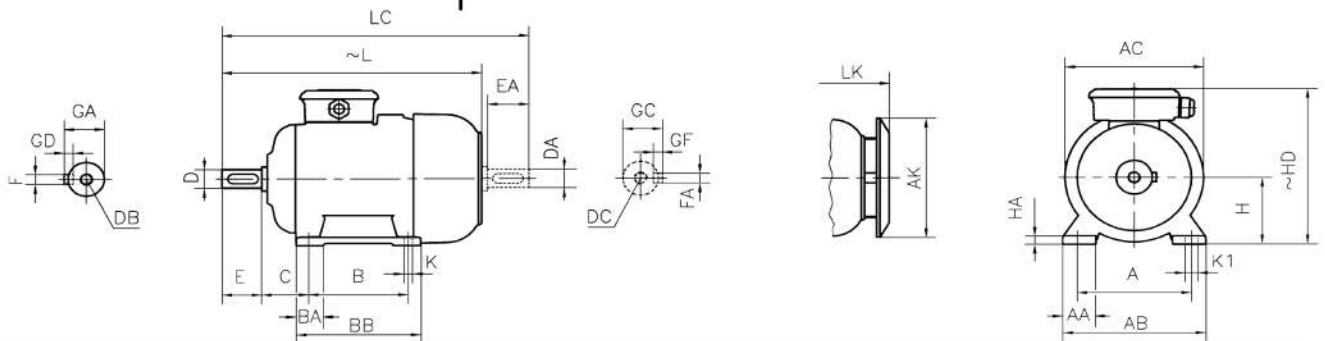
- Locked rotor Current – Ia (A) : 541
- Ia / In : 2.3
- Locked rotor Torque – Ma (Nm) : 1018
- Ma / Mn : 0.8
- Breakdown Torque – Mk (Nm) : 3819
- Mk / Mn : 3.0

MECHANICAL DESIGN

- Frame : Cast Iron
- End shields : Cast Iron
- Cooling fan : Plastic
- Terminal box : Aluminium
- Cable gland : Pg 48
- No of cable glands : 2

Bearing Arrangement

| | Drive End | Non Drive End |
|-------------------------|------------------|---------------|
| Standard design | 6318 C3 | 6318 C3 |
| Reinforced design | NU 318 E | 6318 C3 |
| Noise Level (dB-A) | : 72 | |
| Paint | : RAL 7031- Grey | |
| Approximate weight (kg) | : 1020 | |



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 |
|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|----|-----|-----|-----|------|------|------|-----|-----|-----|----|----|-------|-----|----|----|------|-------|
| 315 | 825 | 50 | 508 | 125 | 620 | 614 | 51 | 28 | - | 508 | - | 125 | - | 600 | 1220 | 1400 | 1297 | 216 | 170 | M20 | 85 | 90 | 22X14 | | | | | |

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

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