


GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|--------|
| Type | D3EG315L4AB3 | Efficiency Class | IE3 |
| Pout [kW] | 185 | Vibration Class | A |
| Speed [rpm] | 1487 | Weight [kg] | |
| Frame | 315L | Degree of Protection | IP55 |
| Current [A] | 325 | Cooling Method | IC 411 |
| cos φ | 0,86 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B3 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | | | |
|-------|---------|------------|----------|---|---------|------|------|
| TSE | | CE | |  | | | |
| 3~MOT | Type | DM 315L-4 | | | | | |
| S1 | IM B3 | IP 55 | I.C.L.F | η% IE3 - 95,8 | | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ 400 | 50 | 325 | 185 | 0,86 | 1487 | %75 | 95,8 |
| Y 690 | 50 | 187 | 185 | 0,85 | 1487 | %50 | 95,4 |
| DE | BEARING | GREASE | QUANTITY | CYCLE(HOURS) | | | |
| NDE | 6318 | POLYREX EM | 30 GR | 4000 | | | |
| | 6318 | POLYREX EM | 30 GR | 4000 | | | |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|---------|-------|------|--------|-------|------------|----|
| 400 | 100 | 1188,13 | 325 | 1487 | 185000 | 0,86 | 95,8 | 50 |
| 400 | 75 | 888,71 | 249,8 | 1491 | 138750 | 0,84 | 95,8 | 50 |
| 400 | 50 | 591,28 | 186,7 | 1494 | 92500 | 0,75 | 95,4 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|-------|
| Locked Rotor Current | Ia [A] | 2407 | Breakdown Torque | Mk [Nm] | 4035 |
| | Ia / In | 7,41 | | Mk / Mn | 3,40 |
| Locked Rotor Torque | Ma [Nm] | 3798 | No Load Current | [A] | 105,1 |
| | Ma / Mn | 3,20 | No Load Power | [W] | 3172 |

MECHANICAL DATA

| | | | |
|---------------|----------------|---|-----------|
| DE Bearing | 6318-ZZ | Sound Pressure - 50 Hz - dB[B] | 102 |
| NDE Bearing | 6318-ZZ | Sound Pressure - 60 Hz - dB[B] | 105 |
| Fixed Bearing | YES | Housing Material | Cast Iron |
| Lubrication | YES | DE Shield Material | Cast Iron |
| Grease Amount | 30 gr | Terminal Box Material | Aluminium |
| Grease Type | POLYREX EM | Cable Entry | M63 |
| Feather Key | 22*14*140 | Cable Gland Position | 4 |
| Balance | G 2,5 Half Key | *Shaft-end diameter (D) is 80 mm for Export Motors. | |

MECHANICAL DIMENSIONS

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-------|-----|----|------|-----|-----|----|-----|-----|-----|----|----|
| A | AA | AB | AC | AD | B | B' | BA | BB | C | D | d | E | EB | F | GA |
| 508 | 125 | 125 | 615 | - | 508 | - | 125 | 600 | 316 | 80 | M20 | 170 | 140 | 22 | 85 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 14 | 315 | 50 | 613 | 817,1 | 28 | 28 | 1190 | - | - | - | - | - | - | - | - |

