



GENERAL INFORMATION

| | | | |
|--------------------|---------------|------------------------|--------|
| Type | D2EG315L2BB35 | Efficiency Class | IE2 |
| Pout [kW] | 200 | Vibration Class | A |
| Speed [rpm] | 2970 | Weight [kg] | |
| Frame | 315L | Degree of Protection | IP55 |
| Current [A] | 328 | Cooling Method | IC 411 |
| cos φ | 0,92 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B35 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | | | |
|--|---------|---|----------|--------------|---------|-----------|------|
|  USE WITH VARIABLE SPEED DRIVE ONLY ACC. EU REGULATION 640/2009 | |  | | | | | |
| | | | | 3~MOT | Type | DM 315L-2 | |
| S1 | IM B35 | IP 55 | I.C.L.F | η% IE2 - 95 | | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ 400 | 50 | 328 | 200 | 0,92 | 2970 | %75 | 95,2 |
| Δ 480 | 60 | 328 | 240 | 0,92 | 3565 | %50 | 95 |
| DE | BEARING | GREASE | QUANTITY | CYCLE(HOURS) | | | |
| NDE | 6316 | POLYREX EM | 30 GR | 2000 | | | |
| | 6316 | 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 | 643,1 | 328 | 2970 | 200000 | 0,92 | 95 | 50 |
| 400 | 75 | 481,03 | 245,7 | 2978 | 150000 | 0,93 | 95,2 | 50 |
| 400 | 50 | 319,83 | 168,2 | 2986 | 100000 | 0,9 | 95 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 1785 | Breakdown Torque | Mk [Nm] | 2340 |
| | Ia / In | 5,44 | | Mk / Mn | 3,64 |
| Locked Rotor Torque | Ma [Nm] | 1290 | No Load Current | [A] | 53,4 |
| | Ma / Mn | 2,01 | No Load Power | [W] | 3020 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6316-ZZ | Sound Pressure - 50 Hz - dB[B] | 102 |
| NDE Bearing | 6316-ZZ | Sound Pressure - 60 Hz - dB[B] | 109 |
| 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 | 18*11*125 | Cable Gland Position | 4 |
| Balance | G 2,5 Half Key | | |

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 | 65 | M20 | 140 | 125 | 18 | 69 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 11 | 315 | 50 | 613 | 817,1 | 28 | 28 | 1190 | 24 | 1166 | 600 | 550 | 660 | 24 | 8 | 6 |

