



GENERAL INFORMATION

| | | | |
|--------------------|-----------------|------------------------|--------|
| Type | D2EG180L4AB35YY | Efficiency Class | IE2 |
| Pout [kW] | 22 | Vibration Class | A |
| Speed [rpm] | 1468 | Weight [kg] | |
| Frame | 180L | Degree of Protection | IP55 |
| Current [A] | 43,8 | Cooling Method | IC 411 |
| cos φ | 0,79 | 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 180-4 |
| S1 | | IM B35 | IP 55 | I.C.L.F | | η% | | |
| V | | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ | 400 | 50 | 43,8 | 22 | 0,79 | 1468 | %75 | 90,7 |
| Δ | 480 | 60 | 43,8 | 26,4 | 0,79 | 1762 | %50 | 89,6 |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 400 | 100 | 143,12 | 43,8 | 1468 | 22000 | 0,79 | 91,6 | 50 |
| 400 | 75 | 106,76 | 35,83 | 1476 | 16500 | 0,74 | 90 | 50 |
| 400 | 53 | 70,74 | 29,4 | 1485 | 11000 | 0,61 | 88,8 | 50 |

| | | | | | |
|----------------------|---------|-------|------------------|---------|-------|
| Locked Rotor Current | Ia [A] | 413 | Breakdown Torque | Mk [Nm] | 590,7 |
| | Ia / In | 9,43 | | Mk / Mn | 4,13 |
| Locked Rotor Torque | Ma [Nm] | 329,7 | No Load Current | [A] | 23,13 |
| | Ma / Mn | 2,30 | No Load Power | [W] | 1015 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6310-ZZ | Sound Pressure - 50 Hz - dB[B] | 89 |
| NDE Bearing | 6210-ZZ | Sound Pressure - 60 Hz - dB[B] | 92 |
| Fixed Bearing | YES | Housing Material | Cast Iron |
| Lubrication | - | DE Shield Material | Cast Iron |
| Grease Amount | - | Terminal Box Material | Aluminium |
| Grease Type | - | Cable Entry | M32 |
| Feather Key | 14*9*100 | 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 |
|-----|------|------|-----|-------|------|------|------|------|-------|-----|-----|-----|------|----|------|
| 279 | 72,3 | 64,5 | 345 | - | 279 | 241 | 64,5 | 329 | 121 | 48 | M16 | 110 | 100 | 14 | 51,5 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 9 | 180 | 25 | 360 | 436,9 | 14,5 | 14,5 | 672 | 18,5 | 653,5 | 300 | 250 | 350 | 18,5 | 4 | 5 |

