

GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|--------|
| Type | D2EG160M6AB3 | Efficiency Class | IE2 |
| Pout [kW] | 7,5 | Vibration Class | A |
| Speed [rpm] | 975 | Weight [kg] | |
| Frame | 160M | Degree of Protection | IP55 |
| Current [A] | 16 | Cooling Method | IC 411 |
| cos φ | 0,76 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B3 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | | | |
|----------------------------------|-------|-----------|---------|-------|---------|------|------------|
| USE WITH VARIABLE SPEED DRIVE | | CE | | TS | | QR | |
| ONLY ACC. EU REGULATION 640/2009 | | | | | | | |
| 3~MOT | Type | DM 160M-6 | | | | | |
| S1 | IM B3 | IP 55 | I.C.L.F | | η% | | IE2 - 87,2 |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ 400 | 50 | 16 | 7,5 | 0,76 | 975 | %75 | 86,8 |
| Δ 480 | 60 | 16 | 9 | 0,75 | 1170 | %50 | 84,6 |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|-----|--------|-------|------------|----|
| 400 | 100 | 73,46 | 16 | 975 | 7500 | 0,76 | 87,2 | 50 |
| 400 | 75 | 54,93 | 13,6 | 978 | 5625 | 0,69 | 86,8 | 50 |
| 400 | 50 | 36,28 | 11,9 | 987 | 3750 | 0,54 | 84,6 | 50 |

| | | | | | |
|----------------------|---------|-------|------------------|---------|-------|
| Locked Rotor Current | Ia [A] | 98,8 | Breakdown Torque | Mk [Nm] | 264,6 |
| | Ia / In | 6,18 | | Mk / Mn | 3,60 |
| Locked Rotor Torque | Ma [Nm] | 174,5 | No Load Current | [A] | 10,2 |
| | Ma / Mn | 2,38 | No Load Power | [W] | 479 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6309-ZZ | Sound Pressure - 50 Hz - dB[B] | 84 |
| NDE Bearing | 6209-ZZ | Sound Pressure - 60 Hz - dB[B] | 87 |
| 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 | 12*8*90 | 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 |
| 254 | 72,1 | 52,1 | 306 | - | 210 | - | 52,1 | 264,2 | 108 | 42 | M16 | 110 | 90 | 12 | 45 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 8 | 160 | 23 | 320 | 396,9 | 14,5 | 14,5 | 604 | - | - | - | - | - | - | - | - |

