


GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|--------|
| Type | D1EA80M6BB34 | Efficiency Class | IE1 |
| Pout [kW] | 0,55 | Vibration Class | A |
| Speed [rpm] | 900 | Weight [kg] | |
| Frame | 80M | Degree of Protection | IP55 |
| Current [A] | 2,7 | Cooling Method | IC 411 |
| cos φ | 0,71 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B34 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | |
|--|--------|---------|--------|-------|---------|
|  | | | | | |
| 3~MOT | Type | DM 80-6 | | | |
| S1 | IM B34 | IP 55 | I.CL.F | IE1 | |
| V | Hz | A | kW | cos φ | 1 / min |
| Δ 220 | 50 | 2,7 | 0,55 | 0,71 | 900 |
| Y 380 | 50 | 1,6 | 0,55 | 0,71 | 900 |
| Y 460 | 60 | 1,6 | 0,66 | 0,67 | 1080 |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|-----|--------|-------|------------|----|
| 220 | 100 | 5,84 | 2,7 | 900 | 550 | 0,71 | 65,8 | 50 |
| 220 | 75 | 4,24 | 2,3 | 930 | 412,5 | 0,72 | 65,15 | 50 |
| 220 | 50 | 2,74 | 2,1 | 960 | 275 | 0,54 | 64,07 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|-------|
| Locked Rotor Current | Ia [A] | 5,7 | Breakdown Torque | Mk [Nm] | 11,5 |
| | Ia / In | 2,11 | | Mk / Mn | 1,97 |
| Locked Rotor Torque | Ma [Nm] | 11 | No Load Current | [A] | 1,33 |
| | Ma / Mn | 1,88 | No Load Power | [W] | 147,6 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6204-ZZ | Sound Pressure - 50 Hz - dB[B] | 77 |
| NDE Bearing | 6204-ZZ | Sound Pressure - 60 Hz - dB[B] | 78 |
| Fixed Bearing | NO | Housing Material | Aluminium |
| Lubrication | - | DE Shield Material | Aluminium |
| Grease Amount | - | Terminal Box Material | Polyamide |
| Grease Type | - | Cable Entry | PG 11 |
| Feather Key | 6*6*32 | Cable Gland Position | 4 |
| Balance | G 1,6 Half Key | | |

MECHANICAL DIMENSIONS

| | | | | | | | | | | | | | | | |
|-----|------|------|-------|-----|-----|----|-------|------|-----|----|----|----|----|----|------|
| A | AA | AB | AC | AD | B | B' | BA | BB | C | D | d | E | EB | F | GA |
| 125 | 34,7 | 30,8 | 158,2 | - | 100 | - | 30,8 | 125 | 50 | 19 | M6 | 40 | 32 | 6 | 21,5 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 6 | 80 | 11 | 158 | 206 | 15 | 10 | 281,5 | 34,5 | 247 | - | - | - | - | - | - |

