



GENERAL INFORMATION

| | | | |
|--------------------|---------------|------------------------|--------|
| Type | D3EA160M4AB35 | Efficiency Class | IE3 |
| Pout [kW] | 11 | Vibration Class | A |
| Speed [rpm] | 1471 | Weight [kg] | |
| Frame | 160M | Degree of Protection | IP55 |
| Current [A] | 21,2 | Cooling Method | IC 411 |
| cos φ | 0,81 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B35 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | | | | | |
|---|----|-------|--------|-------|-----------|------|------------|----|--|
|   | | 3~MOT | | Type | DM 160M-4 | | | η% | |
| | | S1 | IM B35 | IP 55 | I.C.L.F. | | IE3 - 91,4 | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. | | |
| Δ 400 | 50 | 21,2 | 11 | 0,81 | 1471 | %75 | 89 | | |
| Y 690 | 50 | 12,2 | 11 | 0,81 | 1471 | | | | |
| Δ 460 | 60 | 18,7 | 11 | 0,8 | 1776 | %50 | 90 | | |
| Δ 480 | 60 | 21,2 | 13,2 | 0,8 | 1774 | | | | |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 400 | 100 | 71,41 | 21,2 | 1471 | 11000 | 0,81 | 91,4 | 50 |
| 400 | 75 | 53,23 | 17,4 | 1480 | 8250 | 0,77 | 89 | 50 |
| 400 | 50 | 35,28 | 13,4 | 1489 | 5500 | 0,66 | 90 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 150 | Breakdown Torque | Mk [Nm] | 225 |
| | Ia / In | 7,08 | | Mk / Mn | 3,15 |
| Locked Rotor Torque | Ma [Nm] | 235 | No Load Current | [A] | 9,6 |
| | Ma / Mn | 3,29 | No Load Power | [W] | 475 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6309-ZZ | Sound Pressure - 50 Hz - dB[B] | 83 |
| NDE Bearing | 6309-ZZ | Sound Pressure - 60 Hz - dB[B] | 86 |
| Fixed Bearing | YES | Housing Material | Aluminium |
| Lubrication | - | DE Shield Material | Aluminium |
| 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 | 51,6 | 306 | - | 210 | - | 51,6 | 264 | 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 | 22,15 | 320 | 396,9 | 29,8 | 14,5 | 624 | 18,5 | 605,5 | 300 | 250 | 350 | 18,5 | 4 | 5 |

