

GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|--------|
| Type | D3EG225M4B35 | Efficiency Class | IE3 |
| Pout [kW] | 45 | Vibration Class | A |
| Speed [rpm] | 1480 | Weight [kg] | |
| Frame | 225M | Degree of Protection | IP55 |
| Current [A] | 82,6 | Cooling Method | IC 411 |
| cos φ | 0,83 | 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 225M-4 | | | η% IE3 - 95 | |
| | | | | | | | | |
| S1 | | IM B35 | | IP 55 | | I.C.L.F. | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. | |
| Δ 400 | 50 | 82,6 | 45 | 0,83 | 1480 | %75 | 94,9 | |
| Y 690 | 50 | 47,7 | 45 | 0,83 | 1480 | | | |
| Δ 460 | 60 | 72,5 | 45 | 0,82 | 1778 | %50 | 94,5 | |
| Δ 480 | 60 | 82,6 | 54 | 0,82 | 1776 | | | |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 400 | 100 | 290,37 | 82,6 | 1480 | 45000 | 0,83 | 95 | 50 |
| 400 | 75 | 217,05 | 66,6 | 1485 | 33750 | 0,77 | 94,9 | 50 |
| 400 | 50 | 144,11 | 52,4 | 1491 | 22500 | 0,66 | 94,5 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 772 | Breakdown Torque | Mk [Nm] | 1095 |
| | Ia / In | 9,35 | | Mk / Mn | 3,77 |
| Locked Rotor Torque | Ma [Nm] | 1070 | No Load Current | [A] | 39,1 |
| | Ma / Mn | 3,68 | No Load Power | [W] | 1240 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6313-ZZ | Sound Pressure - 50 Hz - dB[B] | 94 |
| NDE Bearing | 6213-ZZ | Sound Pressure - 60 Hz - dB[B] | 98 |
| Fixed Bearing | YES | Housing Material | Cast Iron |
| Lubrication | Optional | DE Shield Material | Cast Iron |
| Grease Amount | 30 gr | Terminal Box Material | Aluminium |
| Grease Type | POLYREX EM | Cable Entry | M50 |
| 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 |
|-----|-----|----|-----|-----|------|------|-------|------|-------|-----|-----|-----|------|----|----|
| 356 | 82 | 76 | 432 | - | 311 | 286 | 76 | 366 | 149 | 60 | M20 | 140 | 125 | 18 | 64 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 11 | 225 | 30 | 433 | 517 | 18,5 | 18,5 | 843,8 | 20,5 | 823,3 | 400 | 350 | 450 | 18,5 | 8 | 5 |

