

GENERAL INFORMATION

| | | | |
|--------------------|---------------|------------------------|--------|
| Type | V2EG225S4AB35 | Efficiency Class | IE2 |
| Pout [kW] | 37 | Vibration Class | A |
| Speed [rpm] | 1475 | Weight [kg] | |
| Frame | 225S | Degree of Protection | IP55 |
| Current [A] | 65,5 | Cooling Method | IC 411 |
| cos φ | 0,88 | 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 | | CE | | TS | | QR | |
| ONLY ACC. EU REGULATION 640/2009 | | | | | | | |
| 3~MOT | Type | VM 225S-4 | | | | | |
| | | | | | | η% | |
| S1 | IM B35 | IP 55 | I.C.L.F | | IE2 - 92,7 | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ 400 | 50 | 65,5 | 37 | 0,88 | 1475 | %75 | 91,7 |
| Δ 480 | 60 | 65,5 | 44,4 | 0,87 | 1770 | %50 | 91 |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 400 | 100 | 239,56 | 65,5 | 1475 | 37000 | 0,88 | 92,7 | 50 |
| 400 | 75 | 179,18 | 50,5 | 1479 | 27750 | 0,86 | 91,7 | 50 |
| 400 | 50 | 118,89 | 36,8 | 1486 | 18500 | 0,8 | 91 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 500 | Breakdown Torque | Mk [Nm] | 725 |
| | Ia / In | 7,63 | | Mk / Mn | 3,03 |
| Locked Rotor Torque | Ma [Nm] | 704 | No Load Current | [A] | 20,6 |
| | Ma / Mn | 2,94 | No Load Power | [W] | 1050 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6313-ZZ | Sound Pressure - 50 Hz - dB[B] | 92 |
| NDE Bearing | 6213-ZZ | Sound Pressure - 60 Hz - dB[B] | 95 |
| 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 | - | 286 | 311 | 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 | 765,7 | 20,5 | 745,2 | 400 | 350 | 450 | 18,5 | 8 | 5 |

