

GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|--------|
| Type | D3EA90S4AB34 | Efficiency Class | IE3 |
| Pout [kW] | 1,1 | Vibration Class | A |
| Speed [rpm] | 1452 | Weight [kg] | |
| Frame | 90S | Degree of Protection | IP55 |
| Current [A] | 4,3 | Cooling Method | IC 411 |
| cos φ | 0,73 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B34 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |

| | | | | | | | |
|-------|--------|----------|----------|-------|------------|------|------|
| | | CE | | TSE | | QR | |
| 3~MOT | Type | DM 90S-4 | | | | | |
| | | | | | | η% | |
| S1 | IM B34 | IP 55 | I.C.L.F. | | IE3 - 85,6 | | |
| V | Hz | A | kW | cos φ | 1 / min | LOAD | EFF. |
| Δ 230 | 50 | 4,3 | 1,1 | 0,73 | 1452 | %75 | 84,7 |
| Y 400 | 50 | 2,5 | 1,1 | 0,73 | 1452 | | |
| Y 460 | 60 | 2,2 | 1,1 | 0,73 | 1744 | %50 | 80,4 |
| Y 480 | 60 | 2,5 | 1,32 | 0,73 | 1742 | | |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 230 | 100 | 7,23 | 4,3 | 1452 | 1100 | 0,73 | 85,6 | 50 |
| 230 | 75 | 5,36 | 3,8 | 1470 | 825 | 0,64 | 84,7 | 50 |
| 230 | 50 | 3,53 | 3,3 | 1490 | 550 | 0,52 | 80,4 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 15,4 | Breakdown Torque | Mk [Nm] | 19,4 |
| | Ia / In | 3,58 | | Mk / Mn | 2,68 |
| Locked Rotor Torque | Ma [Nm] | 15,7 | No Load Current | [A] | 1,77 |
| | Ma / Mn | 2,17 | No Load Power | [W] | 103 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6205-ZZ | Sound Pressure - 50 Hz - dB[B] | 75 |
| NDE Bearing | 6205-ZZ | Sound Pressure - 60 Hz - dB[B] | 76 |
| 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 | 8*7*40 | 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 |
| 140 | 40,5 | 32,2 | 178 | - | 100 | - | 32,2 | 130 | 56 | 24 | M8 | 50 | 40 | 8 | 27 |
| GD | H | HA | HC | HD | K | K1 | L | LA | LB | M | N | P | S | S1 | T |
| 7 | 90 | 12 | 177 | 225 | 15 | 10 | 352,7 | 37,5 | 315,2 | - | - | - | - | - | - |

