



GENERAL INFORMATION

| | | | |
|--------------------|--------------|------------------------|---------|
| Type | DSSA90S2CB35 | Efficiency Class | - |
| Pout [kW] | 1,5 | Vibration Class | A |
| Speed [rpm] | 2880 | Weight [kg] | |
| Frame | 90S | Degree of Protection | IP55 |
| Current [A] | 10 | Cooling Method | IC 411 |
| cos φ | 0,9 | Insulation Class | F |
| Rotation | CW-CCW | Temperature Class | B |
| Duty | S1 | Construction | IM B35 |
| Ambient Temp. [°C] | -20...+40 | Altitude above sea [m] | 1000 |
| Run [μf] | 40 | Start [μf] | 189-227 |

| | | | | | |
|---|--------|----------|---------|-------|---------|
|   | | | | | |
| 1~MOT | Type | DM 90S-2 | | | |
| S1 | IM B35 | IP 55 | I.C.L.F | | |
| V | Hz | A | kW | cos φ | 1 / min |
| 220 | 50 | 10 | 1,5 | 0,9 | 2880 |
| CAPACITOR 40 μf 450 V / 189-227 μf 250 V | | | | | |

ELECTRICAL DATA (RAW MEASUREMENT DATA)

| V1 | %Load | T [Nm] | I [A] | rpm | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 220 | 100 | 4,97 | 10 | 2880 | 1500 | 0,9 | 76 | 50 |

| | | | | | |
|----------------------|---------|------|------------------|---------|------|
| Locked Rotor Current | Ia [A] | 51 | Breakdown Torque | Mk [Nm] | 11,8 |
| | Ia / In | 5,10 | | Mk / Mn | 2,37 |
| Locked Rotor Torque | Ma [Nm] | 15,6 | No Load Current | [A] | 6,2 |
| | Ma / Mn | 3,14 | No Load Power | [W] | 575 |

MECHANICAL DATA

| | | | |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing | 6205-ZZ | Sound Pressure - 50 Hz - dB[B] | 80 |
| NDE Bearing | 6203-ZZ | Sound Pressure - 60 Hz - dB[B] | 87 |
| 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 | 167,5 | 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 | 168 | 225,5 | 15 | 10 | 309 | 9,8 | 299,2 | 165 | 130 | 200 | 12 | 4 | 3,5 |

