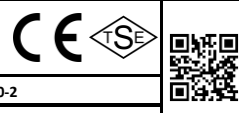


### GENERAL INFORMATION

|                    |              |                        |         |
|--------------------|--------------|------------------------|---------|
| Type               | DSSA80M2BB35 | Efficiency Class       | -       |
| Pout [kW]          | 0,55         | Vibration Class        | A       |
| Speed [rpm]        | 2840         | Weight [kg]            |         |
| Frame              | 80M          | Degree of Protection   | IP55    |
| Current [A]        | 4            | 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    |
| Run [μf]           | 20           | Start [μf]             | 124-149 |

|   |        |         |         |       |         |
|---|--------|---------|---------|-------|---------|
|  |        |         |         |       |         |
| 1~MOT   | Type   | DM 80-2 |         |       |         |
| S1  | IM B35 | IP 55   | I.C.L.F |       |         |
| V   | Hz     | A       | kW      | cos φ | 1 / min |
| 220   | 50     | 4       | 0,55    | 0,88  | 2840    |
| CAPACITOR 20 μf 450 V / 124-149 μF 250 V  |        |         |         |       |         |

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

| V1                   | %Load   | T [Nm] | I [A]            | rpm     | P2 [W] | cos φ | Efficiency | Hz |
|----------------------|---------|--------|------------------|---------|--------|-------|------------|----|
| 220                  | 100     | 1,85   | 4                | 2840    | 550    | 0,88  | 70         | 50 |
| Locked Rotor Current | Ia [A]  | 10     | Breakdown Torque | Mk [Nm] | 6      |       |            |    |
|                      | Ia / In | 2,50   |                  | Mk / Mn | 3,24   |       |            |    |
| Locked Rotor Torque  | Ma [Nm] | 4,3    | No Load Current  | [A]     | 2,9    |       |            |    |
|                      | Ma / Mn | 2,32   | No Load Power    | [W]     | 286    |       |            |    |

### MECHANICAL DATA

|               |                |                                |           |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing    | 6204-ZZ        | Sound Pressure - 50 Hz - dB[B] | 80        |
| NDE Bearing   | 6202-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   | 6*6*32         | 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   |
|-----|------|------|-------|-------|-----|----|-------|------|-------|-----|-----|-----|----|----|------|
| 125 | 34,7 | 30,8 | 158,2 | 150   | 100 | -  | 30,8  | 125  | 50    | 19  | M6  | 40  | 32 | 6  | 21,5 |
| GD  | H    | HA   | HC    | HD    | K   | K1 | L     | LA   | LB    | M   | N   | P   | S  | S1 | T    |
| 6   | 80   | 11   | 146,1 | 192,6 | 15  | 10 | 281,5 | 10,2 | 271,3 | 165 | 130 | 200 | 12 | 4  | 3,5  |

