

### GENERAL INFORMATION

|                    |              |                        |        |
|--------------------|--------------|------------------------|--------|
| Type               | D2EG225S4AB3 | 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 B3  |
| 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  | DM 225S-4 |         |       |         |      |            |
| S1                               | IM B3 | IP 55     | I.C.L.F |       | η%      |      | 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 | -   | -   | -  | -   | -   | -   | -  | -  |

