



### GENERAL INFORMATION

|                    |               |                        |        |
|--------------------|---------------|------------------------|--------|
| Type               | D3EA132M4AB34 | Efficiency Class       | IE3    |
| Pout [kW]          | 7,5           | Vibration Class        | A      |
| Speed [rpm]        | 1458          | Weight [kg]            |        |
| Frame              | 132M          | Degree of Protection   | IP55   |
| Current [A]        | 14,5          | Cooling Method         | IC 411 |
| cos φ              | 0,82          | Insulation Class       | F      |
| Rotation           | CW-CCW        | Temperature Class      | B      |
| Duty               | S1            | Construction           | IM B34 |
| Ambient Temp. [°C] | -20...+40     | Altitude above sea [m] | 1000   |

|   |     |       |      |        |           |          |      |            |  |
|---|-----|-------|------|--------|-----------|----------|------|------------|--|
|   |     | 3~MOT |      | Type   | DM 132M-4 |          |      | η%         |  |
|   |     | S1    |      | IM B34 | IP 55     | I.C.L.F. |      | IE3 - 90,4 |  |
|   | V   | Hz    | A    | kW     | cos φ     | 1 / min  | LOAD | EFF.       |  |
| Δ   | 400 | 50    | 14,5 | 7,5    | 0,82      | 1458     | %75  | 89,5       |  |
| Y   | 690 | 50    | 8,4  | 7,5    | 0,82      | 1458     |      |            |  |
| Δ   | 460 | 60    | 12,8 | 7,5    | 0,8       | 1758     | %50  | 90         |  |
| Δ   | 480 | 60    | 14,5 | 9      | 0,81      | 1752     |      |            |  |

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

| V1  | %Load | T [Nm] | I [A] | rpm  | P2 [W] | cos φ | Efficiency | Hz |
|-----|-------|--------|-------|------|--------|-------|------------|----|
| 400 | 100   | 49,13  | 14,5  | 1458 | 7500   | 0,82  | 90,4       | 50 |
| 400 | 75    | 36,69  | 11,8  | 1464 | 5625   | 0,77  | 89,5       | 50 |
| 400 | 50    | 24,2   | 9,5   | 1480 | 3750   | 0,63  | 90         | 50 |

|                      |         |       |                  |         |       |
|----------------------|---------|-------|------------------|---------|-------|
| Locked Rotor Current | Ia [A]  | 113   | Breakdown Torque | Mk [Nm] | 191,5 |
|                      | Ia / In | 7,79  |                  | Mk / Mn | 3,90  |
| Locked Rotor Torque  | Ma [Nm] | 178,7 | No Load Current  | [A]     | 7,1   |
|                      | Ma / Mn | 3,64  | No Load Power    | [W]     | 406   |

### MECHANICAL DATA

|               |                |                                |           |
|---------------|----------------|--------------------------------|-----------|
| DE Bearing    | 6208-ZZ        | Sound Pressure - 50 Hz - dB[B] | 83        |
| NDE Bearing   | 6208-ZZ        | Sound Pressure - 60 Hz - dB[B] | 86        |
| Fixed Bearing | NO             | Housing Material               | Aluminium |
| Lubrication   | -              | DE Shield Material             | Aluminium |
| Grease Amount | -              | Terminal Box Material          | Polyamide |
| Grease Type   | -              | Cable Entry                    | PG 21     |
| Feather Key   | 10*8*70        | 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 |
| 216 | 58,5 | 37,4 | 258,5 | -     | 178  | -  | 37,4 | 218,3 | 89    | 38 | M12 | 80 | 70 | 10 | 41 |
| GD  | H    | HA   | HC    | HD    | K    | K1 | L    | LA    | LB    | M  | N   | P  | S  | S1 | T  |
| 8   | 132  | 16   | 262,6 | 316,6 | 28,2 | 12 | 520  | 52,7  | 467,3 | -  | -   | -  | -  | -  | -  |

