

# VYBO Electric a.s.



| Data Sheet                       |                        |                                   |                | No.                 |               |                 |
|----------------------------------|------------------------|-----------------------------------|----------------|---------------------|---------------|-----------------|
| Three Phase Induction Motor      |                        |                                   |                | Drawing No.         |               | H17RL-4003-6 B3 |
| Customer :                       |                        |                                   |                |                     |               |                 |
| Client reference:                |                        |                                   |                |                     |               |                 |
| Type:                            |                        | H17RL-4003-6-500KW 400(690)V 50HZ |                |                     |               |                 |
| Brand :                          |                        | <b>VYBO Electric</b>              |                |                     |               |                 |
| Identification                   |                        |                                   |                |                     |               |                 |
| Frame :                          | 400 mm                 | Insulation Class:                 | F              |                     |               |                 |
| Output :                         | 500 kW                 | Temperature Rise:                 | 80K            |                     |               |                 |
| Frequency :                      | 50 Hz                  | Service Factor /:                 | 1.0            |                     |               |                 |
| Poles :                          | 6 P                    | Duty :                            | S1             |                     |               |                 |
| Rated Speed :                    | 990 rpm                | Ambient Temperature:              | -20~40°C       |                     |               |                 |
| Slip :                           | 0,01                   | Altitude :                        | 1000m          |                     |               |                 |
| Rated Voltage :                  | 400/690 V              | Protection Degree :               | IP55           |                     |               |                 |
| Connection :                     | Δ/Y                    | Cooling :                         | IC411          |                     |               |                 |
| Rated Current :                  | 877\508 A              | Mounting :                        | IMB3           |                     |               |                 |
| Rotor Voltage :                  | -                      | Vibration : mm/s                  | 2,8            |                     |               |                 |
| Connection :                     | -                      | Approx. Weight : kg               | 3750           |                     |               |                 |
| Rotor Current :                  | -                      | Moment of Inertia : kg-m2         | 26,0           |                     |               |                 |
| Locked Rotor Current :           | 680 %                  | Noise Level (Lp) : dB(A)          | 92             |                     |               |                 |
| No Load Current :                | -                      | Direction of Rotation:            | BOTH           |                     |               |                 |
| Rated Torque :                   | 4823,2 Nm              | Starting Method:                  | DIRECT ON LINE |                     |               |                 |
| Locked Rotor Torque :            | 120 %                  | Coupling :                        | DIRECT         |                     |               |                 |
| Breakdown Torque :               | 200 %                  | <b>Load Type:</b>                 |                |                     |               |                 |
| Performance                      |                        |                                   |                | Bearing Information |               |                 |
| Output :                         | 50%                    | 75%                               | 100%           |                     | DE            | NDE             |
| Efficiency(%):                   | 93,1                   | 96,0                              | 96             | Bearing:            | 6326C3        | 6326C3          |
|                                  |                        |                                   |                | Regreasing int, (h) | 4000          | 4000            |
| Power Factor:                    | 0,73                   | 0,82                              | 0,86           | Grease amount (g)   | 85            | 85              |
|                                  |                        |                                   |                | Grease              | CALTEX SRI-2# | CALTEX SRI-2#   |
| Notes / Accessories              |                        |                                   |                | Deviation Sheet     |               |                 |
| With winding RTD: PTC150°C 3 PCS |                        |                                   |                | VYBO Electric EU    |               | Customer        |
| With bearing RTD: PT100 2 PCS    |                        |                                   |                |                     |               |                 |
| With space heater: 230V          |                        |                                   |                |                     |               |                 |
|                                  |                        |                                   |                |                     |               |                 |
|                                  |                        |                                   |                |                     |               |                 |
| Standards                        |                        |                                   |                |                     |               |                 |
| Specification :                  | IEC60034-1 / GB755     |                                   |                |                     |               |                 |
| Test :                           | IEC60034-2 / GB/T1032  |                                   |                |                     |               |                 |
| Noise :                          | IEC60034-9 / GB10069.3 |                                   |                |                     |               |                 |
| Vibration :                      | IEC60034-14 / GB10068  |                                   |                |                     |               |                 |
| Edition                          |                        |                                   |                |                     |               |                 |
| Performed                        | Checked                | Date                              |                |                     |               |                 |
|                                  |                        |                                   |                |                     |               |                 |