



| VYBO Electric a.s.            |                        |                             |                        |                                                                                      |  |               |  |
|-------------------------------|------------------------|-----------------------------|------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--|
| Data Sheet                    |                        |                             |                        | No.                                                                                  |                                                                                     |               |  |
| Three Phase Induction Motor   |                        |                             |                        | Drawing No.                                                                          |                                                                                     |               |  |
| Customer                      |                        |                             |                        |                                                                                      |                                                                                     |               |  |
| Client reference              |                        |                             |                        |                                                                                      |                                                                                     |               |  |
| Type                          |                        | H17R 450-8 560KW 6000V 50HZ |                        |                                                                                      |                                                                                     |               |  |
| Brand                         |                        | VYBO Electric               |                        |                                                                                      |                                                                                     |               |  |
| Identification                |                        |                             |                        |                                                                                      |                                                                                     |               |  |
| Type:                         | H17R 450-8             |                             | Frame:                 | 450                                                                                  |                                                                                     | mm            |  |
| Power:                        | 560                    | kW                          | Poles:                 | 8                                                                                    |                                                                                     | P             |  |
| Rated Current:                | 71,8                   | A                           | Rated Voltage:         | 6 000                                                                                |                                                                                     | V             |  |
| Speed:                        | 742                    | rpm                         | Connection:            | Y                                                                                    |                                                                                     |               |  |
| Frequency:                    | 50                     | Hz                          | Insulation Class:      | F                                                                                    |                                                                                     |               |  |
| Locked Rotor Current:         | 550                    | %                           | Temperature Rise:      | 80K                                                                                  |                                                                                     |               |  |
| Rated Torque:                 | 7207,5                 | Nm                          | Service Factor:        | 1,0                                                                                  |                                                                                     |               |  |
| Locked Rotor Torque:          | 80                     | %                           | Duty:                  | S1                                                                                   |                                                                                     |               |  |
| Breakdown Torque:             | 200                    | %                           | Ambient Temperature:   | -20~40°C                                                                             |                                                                                     |               |  |
| Noise level:                  | 92                     | dB(A)                       | Altitude:              | 1000m                                                                                |                                                                                     |               |  |
| Approx. weight:               | 5040                   | kg                          | Protection Degree:     | IP55                                                                                 |                                                                                     |               |  |
| Rotor inertia:                | 51                     | kg/m2                       | Cooling:               | IC411                                                                                |                                                                                     |               |  |
| Slip:                         | 0,01                   |                             | Mounting:              | IM B3                                                                                |                                                                                     |               |  |
|                               |                        |                             | Vibration:             | 2.8 mm/s                                                                             |                                                                                     |               |  |
|                               |                        |                             | Direction of Rotation: | BOTH                                                                                 |                                                                                     |               |  |
|                               |                        |                             | Starting Method:       | DOL                                                                                  |                                                                                     |               |  |
|                               |                        |                             | Coupling:              | DIRECT                                                                               |                                                                                     |               |  |
|                               |                        |                             | Load Type:             | Parabolic or linear curve                                                            |                                                                                     |               |  |
| Performance                   |                        |                             |                        | Bearing Information                                                                  |                                                                                     |               |  |
| Output:                       | 50%                    | 75%                         | 100%                   |                                                                                      | DE                                                                                  | NDE           |  |
| Efficiency (%):               | 92,2                   | 95                          | 95                     | Bearing:                                                                             | 6328C3                                                                              | 6328C3        |  |
|                               |                        |                             |                        | Regreasing int.(h):                                                                  | 4000                                                                                | 4000          |  |
| Power factor:                 | 0,67                   | 0,75                        | 0,79                   | Grease amount(g):                                                                    | 95                                                                                  | 95            |  |
|                               |                        |                             |                        | Grease:                                                                              | CALTEX SRI-2#                                                                       | CALTEX SRI-2# |  |
| Notes / Accessories           |                        |                             |                        |                                                                                      |                                                                                     |               |  |
| With winding RTD: PT100 3 PCS |                        |                             |                        |  |                                                                                     |               |  |
| 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                                                                                 |                                                                                     |               |  |
|                               |                        |                             |                        |                                                                                      |                                                                                     |               |  |
| Item                          | Changes                |                             |                        | Performed                                                                            | Checked                                                                             | Date          |  |
|                               |                        |                             |                        |                                                                                      |                                                                                     |               |  |
|                               |                        |                             |                        |                                                                                      |                                                                                     |               |  |
|                               |                        |                             |                        |                                                                                      |                                                                                     |               |  |