

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

|                  |                             |
|------------------|-----------------------------|
| Customer         |                             |
| Client reference |                             |
| Type             | H17R 355-2 355KW 6000V 50HZ |
| Brand            | VYBO Electric               |

### Identification

|                       |                     |                        |                           |    |
|-----------------------|---------------------|------------------------|---------------------------|----|
| Type:                 | H17R 355-2          | Frame:                 | 355                       | mm |
| Power:                | 355 kW              | Poles:                 | 2                         | P  |
| Rated Current:        | 42,9 A              | Rated Voltage:         | 6 000                     | V  |
| Speed:                | 2980 rpm            | Connection:            | Y                         |    |
| Frequency:            | 50 Hz               | Insulation Class:      | F                         |    |
| Locked Rotor Current: | 700 %               | Temperature Rise:      | 80K                       |    |
| Rated Torque:         | 1137,7 Nm           | Service Factor:        | 1,0                       |    |
| Locked Rotor Torque:  | 70 %                | Duty:                  | S1                        |    |
| Breakdown Torque:     | 200 %               | Ambient Temperature:   | -20 ~ 40°C                |    |
| Noise level:          | 96 dB(A)            | Altitude:              | 1000m                     |    |
| Approx. weight:       | 2340 kg             | Protection Degree:     | IP55                      |    |
| Rotor inertia:        | 7 kg/m <sup>2</sup> | Cooling:               | IC411                     |    |
| Slip:                 | 0,0067              | Mounting:              | IM B3                     |    |
|                       |                     | Vibration:             | 2.8 mm/s                  |    |
|                       |                     | Direction of Rotation: | CW                        |    |
|                       |                     | Starting Method:       | DOL                       |    |
|                       |                     | Coupling:              | DIRECT                    |    |
|                       |                     | Load Type:             | Parabolic or linear curve |    |

### Performance

### Bearing Information

|                 |      |      |      |                     |               |               |
|-----------------|------|------|------|---------------------|---------------|---------------|
| Output:         | 50%  | 75%  | 100% |                     | DE            | NDE           |
| Efficiency (%): | 91,9 | 94,7 | 94,7 | Bearing:            | 6220C3        | 6220C3        |
|                 |      |      |      | Regreasing int.(h): | 2000          | 2000          |
| Power factor:   | 0,71 | 0,8  | 0,84 | Grease amount(g):   | 30            | 30            |
|                 |      |      |      | 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |