

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

|                  |                                |
|------------------|--------------------------------|
| Customer         |                                |
| Client reference |                                |
| Type             | 1AL-132S-8 2,2KW 230/400V 50HZ |
| Brand            | VYBO Electric                  |

### Identification

|                                                  |            |                   |                        |                                       |                   |     |   |
|--------------------------------------------------|------------|-------------------|------------------------|---------------------------------------|-------------------|-----|---|
| Type:                                            | 1AL-132S-8 |                   | Frame:                 | 132                                   | mm                |     |   |
| Power:                                           | 2,2        | kW                | Poles:                 | 8                                     | P                 |     |   |
| Rated Current:                                   | 380 V      | 6                 | Rated Voltage:         | 230                                   | /                 | 400 | V |
|                                                  | 400 V      | 5,7               |                        | Connection:                           | Δ/Y               |     |   |
|                                                  | 415 V      | 5,46              |                        |                                       | Insulation Class: | F   |   |
| Speed:                                           | 710        | rpm               | Temperature Rise:      |                                       |                   |     |   |
| Frequency:                                       | 50         | Hz                | Service Factor:        | 1,0                                   |                   |     |   |
| Direct on line starting torque ratio (LRT/RLT):  | 2,0        |                   | Duty:                  | S1, S2, S3, S4-S9                     |                   |     |   |
| Direct on line pull out torque ratio (BDT/RLT):  | 1,8        |                   | Ambient Temperature:   | -35 ~ 50°C (On request possible 62°C) |                   |     |   |
| Direct on line starting current ratio (LRA/RLA): | 6,0        |                   | Altitude:              | 1000m                                 |                   |     |   |
| Efficiency:                                      | 79         | %                 | Protection Degree:     | IP55                                  |                   |     |   |
| Power factor:                                    | 0,71       |                   | Cooling:               | IC411                                 |                   |     |   |
| Noise level:                                     | 64         | dB(A)             | Mounting:              | IM B (On request)                     |                   |     |   |
| Weight:                                          | 40         | kg                | Vibration:             | 2.8 mm/s                              |                   |     |   |
| Rotor inertia:                                   | 0,0314     | kg/m <sup>2</sup> | Direction of Rotation: | Both                                  |                   |     |   |
|                                                  |            |                   | Starting Method:       | DOL or VFD                            |                   |     |   |
|                                                  |            |                   | Coupling:              | DIRECT                                |                   |     |   |
|                                                  |            |                   | Load Type:             | Parabolic or linear curve             |                   |     |   |
|                                                  |            |                   | Terminal box:          | 2-M32X1.5                             |                   |     |   |



### Bearing Information

|                     | DE     | NDE    |
|---------------------|--------|--------|
| Bearing:            | 63082Z | 63082Z |
| Regreasing int.(h): |        |        |
| Grease amount(g):   |        |        |
| Grease:             |        |        |

### Notes / Accessories

### Deviation Sheet

|  |               |  |          |
|--|---------------|--|----------|
|  | VYBO Electric |  | Customer |
|  |               |  |          |
|  |               |  |          |
|  |               |  |          |

### 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |