

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer

Client reference

Type

4AL-112M-6 2,2KW 230/400V 50HZ

Brand

VYBO Electric

### Identification

|  |            |       |                        |                           |   |       |
|--|------------|-------|------------------------|---------------------------|---|-------|
| Type:  | 4AL-112M-6 |       | Frame:                 | 112                       |   | mm    |
| Power:   | 2,2        | kW    | Poles:                 | 6                         |   | P     |
| Rated Current:                                   | 380 V      | 5,2   | Rated Voltage:         | 230                       | / | 400 V |
|  | 400 V      | 4,9   |                        | Connection: Δ/Y           |   |       |
|  | 415 V      | 4,7   |                        | Insulation Class: F       |   |       |
| Speed:   | 965        | rpm   | Temperature Rise:      |                           |   |       |
| Frequency:                                       | 50         | Hz    | Service Factor:        | 1,0                       |   |       |
| Direct on line starting torque ratio (LRT/RLT):  | 2,1        |       | Duty:                  | S1, S2, S3, S4-S9         |   |       |
| Direct on line pull out torque ratio (BDT/RLT):  | 2,1        |       | Ambient Temperature:   | -35~50°C                  |   |       |
| Direct on line starting current ratio (LRA/RLA): | 7,5        |       | Altitude:              | 1000m                     |   |       |
| Efficiency:                                      | 87,4       | %     | Protection Degree:     | IP55                      |   |       |
| Power factor:                                    | 0,71       |       | Cooling:               | IC411                     |   |       |
| Noise level:                                     | 65         | dB(A) | Mounting:              | IM B (On request)         |   |       |
| Weight:  | 50         | kg    | Vibration:             | 2.8 mm/s                  |   |       |
| Rotor inertia:                                   | 0,01675    | kg/m2 | 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:            | 63062RZ | 63062RZ |
| 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |