

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer

Client reference

Type

4LC-160L-2 18,5KW 400/690V 50HZ

Brand

VYBO Electric

### Identification

|  |            |                   |                        |                           |                   |       |
|--|------------|-------------------|------------------------|---------------------------|-------------------|-------|
| Type:  | 4LC-160L-2 |                   | Frame:                 | 160                       |                   | mm    |
| Power:   | 18,5       | kW                | Poles:                 | 2                         |                   | P     |
| Rated Current:                                   | 380 V      | 33,7              | Rated Voltage:         | 400                       | /                 | 690 V |
|  | 400 V      | 32                |                        | Connection:               | Δ/Y               |       |
|  | 415 V      | 30,9              |                        |                           | Insulation Class: | F     |
| Speed:   | 2960       | rpm               | Temperature Rise:      |                           |                   |       |
| Frequency:                                       | 50         | Hz                | Service Factor:        | 1,0                       |                   |       |
| Direct on line starting torque ratio (LRT/RLT):  | 2          |                   | Duty:                  | S1, S2, S3, S4-S9         |                   |       |
| Direct on line pull out torque ratio (BDT/RLT):  | 2,3        |                   | Ambient Temperature:   | -35~50°C                  |                   |       |
| Direct on line starting current ratio (LRA/RLA): | 9,5        |                   | Altitude:              | 1000m                     |                   |       |
| Efficiency:                                      | 93,7       | %                 | Protection Degree:     | IP55                      |                   |       |
| Power factor:                                    | 0,89       |                   | Cooling:               | IC411                     |                   |       |
| Noise level:                                     | 81         | dB(A)             | Mounting:              | IM B (On request)         |                   |       |
| Weight:  | 165        | kg                | Vibration:             | 2.8 mm/s                  |                   |       |
| Rotor inertia:                                   | 0,07305    | 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-M40X1.5                 |                   |       |



### Bearing Information

|                     | DE         | NDE        |
|---------------------|------------|------------|
| Bearing:            | 6309-2RZC3 | 6309-2RZC3 |
| 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |