

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

|                  |                                 |
|------------------|---------------------------------|
| Customer         |                                 |
| Client reference |                                 |
| Type             | 4LC-315L 1-8 90KW 400/690V 50HZ |
| Brand            | VYBO Electric                   |

### Identification

|  |              |                   |                        |                           |                   |
|--|--------------|-------------------|------------------------|---------------------------|-------------------|
| Type:  | 4LC-315L 1-8 | Frame:            | 315                    | mm                        |                   |
| Power:   | 90 kW        | Poles:            | 8                      | P                         |                   |
| Rated Current:                                   | 380 V        | 175               | Rated Voltage:         | 400 / 690                 |                   |
|  | 400 V        | 166               |                        | Connection:               | Δ/Y               |
|  | 415 V        | 160               |                        |                           | Insulation Class: |
| Speed:   | 740 rpm      | Temperature Rise: |                        |                           |                   |
| Frequency:                                       | 50 Hz        | Service Factor:   | 1,0                    |                           |                   |
| Direct on line starting torque ratio (LRT/RLT):  | 1,6          |                   | Duty:                  | S1, S2, S3, S4-S9         |                   |
| Direct on line pull out torque ratio (BDT/RLT):  | 2            |                   | Ambient Temperature:   | -35~50°C                  |                   |
| Direct on line starting current ratio (LRA/RLA): | 7,7          |                   | Altitude:              | 1000m                     |                   |
| Efficiency:                                      | 94,4         | %                 | Protection Degree:     | IP55                      |                   |
| Power factor:                                    | 0,81         |                   | Cooling:               | IC411                     |                   |
| Noise level:                                     | 82           | dB(A)             | Mounting:              | IM B (On request)         |                   |
| Weight:  | 1206         | kg                | Vibration:             | 2.8 mm/s                  |                   |
| Rotor inertia:                                   | 7,34206      | kg/m2             | Direction of Rotation: | Both                      |                   |
|  |              |                   | Starting Method:       | DOL or VFD                |                   |
|  |              |                   | Coupling:              | DIRECT                    |                   |
|  |              |                   | Load Type:             | Parabolic or linear curve |                   |
|  |              |                   | Terminal box:          | 2-M63X1.5                 |                   |



### Bearing Information

|                     | DE      | NDE    |
|---------------------|---------|--------|
| Bearing:            | NU319C3 | 6319C3 |
| 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |