

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

|                  |                               |
|------------------|-------------------------------|
| Customer         |                               |
| Client reference |                               |
| Type             | 1LC-225M-8 22KW 400/690V 50HZ |
| Brand            | VYBO Electric                 |

### Identification

|  |            |       |                        |                                     |     |    |     |   |
|--|------------|-------|------------------------|-------------------------------------|-----|----|-----|---|
| Type:  | 1LC-225M-8 |       | Frame:                 | 225                                 |     | mm |     |   |
| Power:   | 22         | kW    | Poles:                 | 8                                   |     | P  |     |   |
| Rated Current:                                   | 380 V      | 48,9  | A                      | Rated Voltage:                      | 400 | /  | 690 | V |
|  | 400 V      | 45    |                        | Connection:                         | Δ/Y |    |     |   |
|  | 415 V      | 43,4  |                        | Insulation Class:                   | F   |    |     |   |
| Speed:   | 730        | rpm   | Temperature Rise:      |                                     |     |    |     |   |
| Frequency:                                       | 50         | Hz    | Service Factor:        | 1,0                                 |     |    |     |   |
| Direct on line starting torque ratio (LRT/RLT):  | 1,9        |       | Duty:                  | S1, S2, S3, S4-S9                   |     |    |     |   |
| Direct on line pull out torque ratio (BDT/RLT):  | 2          |       | Ambient Temperature:   | -35~50°C (On request possible 62°C) |     |    |     |   |
| Direct on line starting current ratio (LRA/RLA): | 6,6        |       | Altitude:              | 1000m                               |     |    |     |   |
| Efficiency:                                      | 90,5       | %     | Protection Degree:     | IP55                                |     |    |     |   |
| Power factor:                                    | 0,78       |       | Cooling:               | IC411                               |     |    |     |   |
| Noise level:                                     | 73         | dB(A) | Mounting:              | IM B (On request)                   |     |    |     |   |
| Weight:  | 290        | kg    | Vibration:             | 2.8 mm/s                            |     |    |     |   |
| Rotor inertia:                                   | 0,547      | kg/m2 | Direction of Rotation: | Both                                |     |    |     |   |
|  |            |       | Starting Method:       | DOL or VFD                          |     |    |     |   |
|  |            |       | Coupling:              | DIRECT                              |     |    |     |   |
|  |            |       | Load Type:             | Parabolic or linear curve           |     |    |     |   |
|  |            |       | Terminal box:          | 2xM50X1.5                           |     |    |     |   |



### Bearing Information

|                     | DE     | NDE    |
|---------------------|--------|--------|
| Bearing:            | 6313C3 | 6313C3 |
| 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 |
|------|---------|-----------|---------|------|
|      |         |           |         |      |
|      |         |           |         |      |
|      |         |           |         |      |