




| VYBO Electric a.s.  |                        |                                 |                        |   |         |          |        |  |
|---|------------------------|---------------------------------|------------------------|--|---------|----------|--------|--|
| Data Sheet  |                        |                                 | No.                    |  |         |          |        |  |
| Three Phase Induction Motor   |                        |                                 | Drawing No.            |  |         |          |        |  |
| Customer  |                        |                                 |                        |  |         |          |        |  |
| Client reference  |                        |                                 |                        |  |         |          |        |  |
| Type  |                        | 4LC-225S-8 18,5KW 400/690V 50HZ |                        |  |         |          |        |  |
| Brand   |                        | VYBO Electric                   |                        |  |         |          |        |  |
| Identification  |                        |                                 |                        |  |         |          |        |  |
| Type:   | 4LC-225S-8             |                                 | Frame:                 | 225  |         | mm       |        |  |
| Power:  | 18,5 kW                |                                 | Poles:                 | 8  |         | P        |        |  |
| Rated Current:  | 380 V                  | 39,4                            | A                      | Rated Voltage:   | 400     | /        | 690 V  |  |
|   | 400 V                  | 37,4                            |                        | Connection:  | Δ/Y     |          |        |  |
|   | 415 V                  | 36                              |                        | Insulation Class:  | F       |          |        |  |
| Speed:  | 735 rpm                |                                 | Temperature Rise:      |  |         |          |        |  |
| Frequency:  | 50 Hz                  |                                 | Service Factor:        | 1,0  |         |          |        |  |
| Direct on line starting torque ratio (LRT/RLT):                                     | 1,8                    |                                 | 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):                                    | 8,1                    |                                 | Altitude:              | 1000m  |         |          |        |  |
| Efficiency:   | 91,7                   | %                               | Protection Degree:     | IP55   |         |          |        |  |
| Power factor:   | 0,75                   |                                 | Cooling:               | IC411  |         |          |        |  |
| Noise level:  | 73                     | dB(A)                           | Mounting:              | IM B (On request)  |         |          |        |  |
| Weight:   | 321                    | kg                              | Vibration:             | 2.8 mm/s   |         |          |        |  |
| Rotor inertia:  | 0,56593                | 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-M50X1.5  |         |          |        |  |
|  |                        |                                 |                        | 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     |        |  |
|   |                        |                                 |                        |  |         |          |        |  |
|   |                        |                                 |                        |  |         |          |        |  |
|   |                        |                                 |                        |  |         |          |        |  |