

# DATASHEET
# Single Phase Induction Motor – Capacitor Start & Run
# VEL1ML80_2-1,1B14

## GENERAL INFORMATION

| Item | Specification |
|---|---|
| Rated Power | 1.1 kW |
| Poles | 2 |
| Speed | 2800 rpm |
| Voltage | 220 V |
| Frequency | 50 Hz |
| Current | 7.5 A |
| cos φ | 0.92 |
| Efficiency | 72% |
| Frame | 80 |
| Mounting | IM B14 |
| Protection | IP54 |

## ELECTRICAL DATA (REAL TEST DATA)

| V | Load % | Current (A) | Speed (rpm) | Output (W) | cos φ | Efficiency (%) | Hz |
|---|---|---|---|---|---|---|---|
| 220 | 50 | 4.5 | 2850 | 550 | 0.86 | 68 | 50 |
| 220 | 75 | 6.0 | 2830 | 825 | 0.90 | 70 | 50 |
| 220 | 100 | 7.5 | 2800 | 1100 | 0.92 | 72 | 50 |

## CAPACITOR DATA

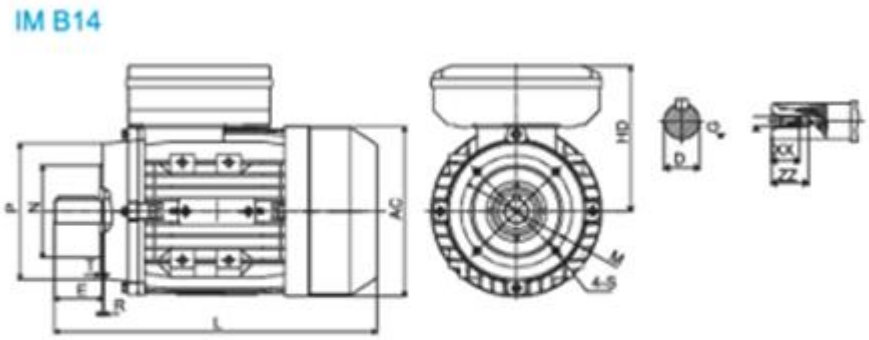
| Item | Value |
|---|---|
| Run Capacitor | 25 µF |
| Start Capacitor | 120 µF |
| Voltage | 450 V |

VEL Motor reserves the right to change specifications without prior notice.

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## MECHANICAL DRAWING – IM B14




## MECHANICAL DIMENSIONS (IEC 60072-1)

| Dimension | mm |
|---|---|
| H | 80 |
| D | 19 |
| E | 40 |
| F | 6 |
| G | 15 |
| M | 100 |
| N | 80 |
| P | 120 |
| R | 0 |
| S | Ø9 |
| T | 3 |
| L | 300 |

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