

# DATASHEET
# Single Phase Induction Motor – Capacitor Start & Run
# VEL1ML112M_2_3,7B3

## GENERAL INFORMATION

| Item | Specification |
|---|---|
| Rated Power | 3.7 kW |
| Poles | 2 |
| Speed | 2850 rpm |
| Voltage | 220 V |
| Frequency | 50 Hz |
| Current | 22.0 A |
| cos φ | 0.96 |
| Efficiency | 82% |
| Frame | 112M |
| Mounting | IM B3 |
| Protection | IP54 |

## ELECTRICAL DATA (REAL TEST DATA)

| V | Load % | Current (A) | Speed (rpm) | Output (W) | cos φ | Efficiency (%) | Hz |
|---|---|---|---|---|---|---|---|
| 220 | 50 | 14 | 2870 | 1850 | 0.89 | 77 | 50 |
| 220 | 75 | 18.5 | 2850 | 2775 | 0.93 | 80 | 50 |
| 220 | 100 | 22 | 2830 | 3700 | 0.96 | 82 | 50 |

## CAPACITOR DATA

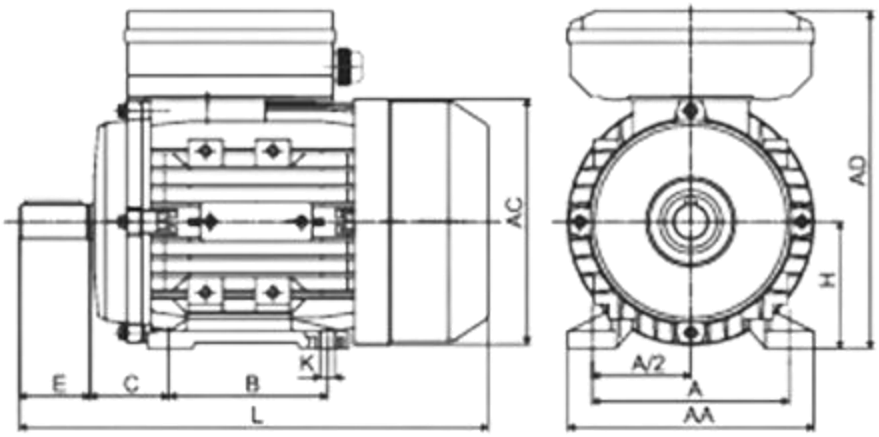
| Item | Value |
|---|---|
| Run Capacitor | 60 µF |
| Start Capacitor | 250 µF |
| Voltage | 450 V |

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

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## MECHANICAL DRAWING – IM B3




## MECHANICAL DIMENSIONS (IEC 60072-1)

| Dimension | mm |
|---|---|
| H | 112 |
| A | 190 |
| B | 160 |
| C | 70 |
| D | 28 |
| E | 60 |
| F | 8 |
| G | 24 |
| K | 12 |
| L | 450 |

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