

DATA SHEET

Squirrel Cage Induction Motors

Single-phase Motor Type AR 100LB2 2pole

Motor technology Permanent capacitor motor

Start capacitor disconnecting n/a

Area Safe Area

Environmental Conditions -20°C to +40°C, up to 1000 metres above sea level

Rated Voltage 230V 50Hz

Output at 50Hz 3. kW

Frame Size 100 Aluminium

Speed at 50Hz 2870 rpm

Current at 230V 50Hz 18.2A

Efficiency Class n/a

Efficiency at 50Hz 75.0% Power factor (cos fi) 0.97

Rated Torque at 50Hz 10. Nm

Duty Cycle

Duty Cycle S1- Continuous duty

Starting Current Ratio3.50Starting Torque Ratio0.40Breakdown Torque Ratio1.90

Internal Protection / Cooling IP55 / IC411 (TEFC)

Insulation Class class F/B

Standard Mountings B3, B5, B3/B5, B14A, B3/B14A, B14B, B3/B14B

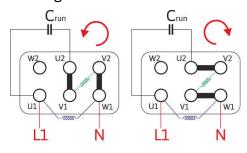
Run capacitor $60\mu\text{F}/450\text{V}$

Start capacitor n/a
Weight 21. kg

Bearing DE/NDE 6206-2Z / 6206-2Z

Bearing lubrication Bearings lubricated for life with lithium based grease

Wiring Diagram



Country of origin Bulgaria

Please note that the same electrical design of Single-phase motor cannot be used for 50Hz and 60Hz. *Unloaded or underloaded single-phase motors produce higher level of noise than fully loaded motors.