

## **DATA SHEET**

## **Squirrel Cage Induction Motors**

Single-phase Motor Type AR 80B2 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 0.75 kW

Frame Size 80M Aluminium

Speed at 50Hz 2780 rpm

Current at 230V 50Hz 4.6A

Efficiency Class n/a

Efficiency at 50Hz 77.0%

Power factor (cos fi) 0.96

Rated Torque at 50Hz 2.6 Nm

**Duty Cycle** S1- Continuous duty

Starting Current Ratio4.20Starting Torque Ratio0.35Breakdown Torque Ratio2.10

**Internal Protection / Cooling** IP55 / IC411 (TEFC)

**Insulation Class** class F/B

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

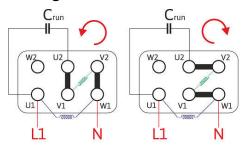
**Run capacitor**  $30\mu F/450V$ 

Start capacitor n/a
Weight 9. kg

**Bearing DE/NDE** 6204-2Z / 6204-2Z

**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.