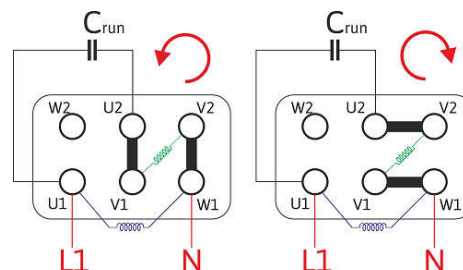


<b>Single-phase Motor Type</b>	AR 90LB2	2pole
<b>Motor technology</b>	Permanent capacitor motor	
<b>Start capacitor disconnecting</b>	n/a	
<b>Area</b>	Safe Area	
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level	
<b>Rated Voltage</b>	230V 50Hz	
<b>Output at 50Hz</b>	2.2 kW	
<b>Frame Size</b>	90L Aluminium	
<b>Speed at 50Hz</b>	2870 rpm	
<b>Current at 230V 50Hz</b>	13.8A	
<b>Efficiency Class</b>	n/a	
<b>Efficiency at 50Hz</b>	76.0%	
<b>Power factor (cos fi)</b>	0.91	
<b>Rated Torque at 50Hz</b>	7.3 Nm	
<b>Duty Cycle</b>	S1- Continuous duty	
<b>Starting Current Ratio</b>	4.90	
<b>Starting Torque Ratio</b>	0.30	
<b>Breakdown Torque Ratio</b>	1.80	
<b>Internal Protection / Cooling</b>	IP55 / IC411 (TEFC)	
<b>Insulation Class</b>	class F/B	
<b>Standard Mountings</b>	B3, B5, B3/B5, B14A, B3/B14A, B14B, B3/B14B	
<b>Run capacitor</b>	50µF/450V	
<b>Start capacitor</b>	n/a	
<b>Weight</b>	16. kg	
<b>Bearing DE/NDE</b>	6205-2Z / 6205-2Z	
<b>Bearing lubrication</b>	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.