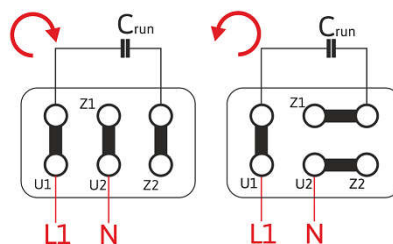


Single-phase Motor Type	1EMPC 90L02	2pole
Motor technology	Permanent capacitor motor	
Start capacitor disconnecting	n/a	
Area	Safe Area	
Environmental Conditions	-20°C to +40°C, up to 1000 metres above sea level	
Rated Voltage	230V 50Hz	
Output at 50Hz	2.2 kW	
Frame Size	90L Aluminium	
Speed at 50Hz	2800 rpm	
Current at 230V 50Hz	12.37A	
Efficiency Class	IE1	
Percentage Load	100%	75% 50%
Efficiency at 50Hz	79.7%	76.1% 66.9%
Power factor (cos φ)	0.97	
Rated Torque at 50Hz	7.5 Nm	
Duty Cycle	S1- Continuous duty	
Starting Current Ratio	4.40	
Starting Torque Ratio	0.51	
Breakdown Torque Ratio	1.65	
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	80µF/450V	
Start capacitor	n/a	
Acoustic pressure	67dB(A) at 1 metre and full load*	
Weight	16.9 kg	
Bearing DE/NDE	6205 ZZ C3 / 6204 ZZ C3	
Bearing lubrication	Bearings lubricated for life with lithium based grease	

Wiring Diagram


Country of origin	Czech Republic
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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.