



Standard	IEC 60034
Area	Safe Area
Type	TCA 160MB02
Poles	2 pole
Frame size	160M
Material	Cast iron frame
Environment conditions	-20 °C to +40 °C, up to 1000 m above sea level
Voltage	400/690V 50Hz, 460VY 60Hz

	at 50Hz	at 60Hz*	at 60Hz**	
Output	11. kW	11. kW	12.7 kW	*Nominal (50Hz) Output
Speed	2956 rpm	3560 rpm	3554 rpm	**Increased (60Hz) Output
Current at 380V 50Hz	21. A	n/a	n/a	
Current at 400V 50Hz	19.9 A	n/a	n/a	
Current at 415V 50Hz	19.2 A	n/a	n/a	
Current at 460V 60Hz	n/a	17.3 A	19.7 A	
Efficiency class	IE3	IE3	IE3	
Efficiency at 100% load	91.2%	91.0%	91.0%	
Efficiency at 75% load	91.2%	91.0%	91.0%	
Efficiency at 50% load	90.2%	89.4%	90.1%	
Power factor (cos fi)	0.87	0.88	0.89	
Torque	36.1 Nm	30. Nm	34.1 Nm	
Starting current [ratio]	7.9	9.2	8.2	
Starting torque [ratio]	2.3	2.5	2.2	
Breakdown torque [ratio]	3.6	4.0	3.5	
Insulation class	F (155 °C)/ temperature rise B (80K)			
Protection	IP55			
Weight	135. kg			
Available Mounting	B3; B5; B3/B5; B14A; B3/B14A; V1			
Thermal Protection	3x PTCs			
Moment of Inertia	0.064 kg.m²			

