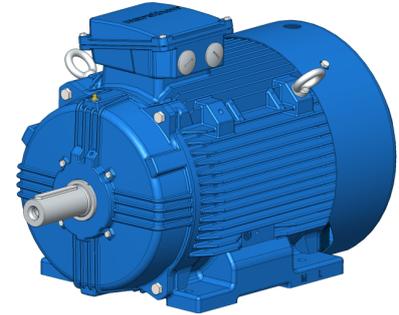


Standard	IEC 60034
Area	Safe Area
Type	TCA 160MB04
Poles	4 pole
Frame size	160M
Material	Cast iron frame
Environment conditions	-20°C to +40°C, up to 1000 m above sea level
Voltage	400/690V 50Hz, 460VY 60Hz



	at 50Hz	at 60Hz*	at 60Hz**	
Output	11. kW	11. kW	12.7 kW	*Nominal (50Hz) Output **Increased (60Hz) Output
Speed	1476 rpm	1778 rpm	1775 rpm	
Current at 380V 50Hz	21.7 A	n/a	n/a	
Current at 400V 50Hz	20.7 A	n/a	n/a	
Current at 415V 50Hz	19.9 A	n/a	n/a	
Current at 460V 60Hz	n/a	18. A	20.2 A	
Efficiency class	IE3	IE3	IE3	
Efficiency at 100% load	91.4%	92.4%	92.4%	
Efficiency at 75% load	91.4%	92.2%	92.4%	
Efficiency at 50% load	91.4%	90.6%	91.3%	
Power factor (cos fi)	0.84	0.83	0.85	
Torque	72.4 Nm	60.1 Nm	68.3 Nm	
Starting current [ratio]	7.3	8.3	7.5	
Starting torque [ratio]	2.4	2.7	2.4	
Breakdown torque [ratio]	3.2	3.6	3.2	
Insulation class	F (155°C)/ temperature rise B (80K)			
Protection	IP55			
Weight	150. kg			
Available Mounting	B3; B5; B3/B5; B14A; B3/B14A; V1			
Thermal Protection	3x PTCs			
Moment of Inertia	0.1289 kg.m ²			

