



Standard	IEC 60034
Area	Safe Area
Type	TCA 280S04
Poles	4 pole
Frame size	280S
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	75. kW	75. kW	86. kW	*Nominal (50Hz) Output
Speed	1489 rpm	1790 rpm	1789 rpm	**Increased (60Hz) Output
Current at 380V 50Hz	137. A	n/a	n/a	
Current at 400V 50Hz	130. A	n/a	n/a	
Current at 415V 50Hz	126. A	n/a	n/a	
Current at 460V 60Hz	n/a	113. A	130. A	
Efficiency class	IE3	IE3	IE2	
Efficiency at 100% load	95.0%	95.4%	94.5%	
Efficiency at 75% load	95.0%	94.7%	94.5%	
Efficiency at 50% load	94.2%	93.4%	94.0%	
Power factor (cos fi)	0.87	0.87	0.88	
Torque	478. Nm	398. Nm	459. Nm	
Starting current [ratio]	6.3	7.2	6.3	
Starting torque [ratio]	2.1	2.4	2.1	
Breakdown torque [ratio]	2.5	2.8	2.4	
Insulation class	F (155 °C)/ temperature rise B (80K)			
Protection	IP55			
Weight	722. kg			
Available Mounting	B3; B5; B3/B5; V1			
Thermal Protection	3x PTCs			
Moment of Inertia	2.324 kg.m²			



*This DataSheet has been issued for standard motor execution.*

*Technical data and the execution are subject to change without prior notice.*