

<b>Standard</b>	IEC 60034
<b>Area</b>	Safe Area
<b>Type</b>	TCA 225S04
<b>Poles</b>	4 pole
<b>Frame size</b>	225S
<b>Material</b>	Cast iron frame
<b>Environment conditions</b>	-20°C to +40°C, up to 1000 m above sea level
<b>Voltage</b>	400/690V 50Hz, 460VY 60Hz



	at 50Hz	at 60Hz*	at 60Hz**	
<b>Output</b>	<b>37. kW</b>	37. kW	42.5 kW	*Nominal (50Hz) Output **Increased (60Hz) Output
<b>Speed</b>	<b>1483 rpm</b>	1785 rpm	1783 rpm	
<b>Current at 380V 50Hz</b>	<b>70.8 A</b>	n/a	n/a	
<b>Current at 400V 50Hz</b>	<b>67.2 A</b>	n/a	n/a	
<b>Current at 415V 50Hz</b>	<b>64.8 A</b>	n/a	n/a	
<b>Current at 460V 60Hz</b>	<b>n/a</b>	59.1 A	66.3 A	
<b>Efficiency class</b>	<b>IE3</b>	IE3	IE2	
<b>Efficiency at 100% load</b>	<b>93.9%</b>	94.5%	93.6%	
<b>Efficiency at 75% load</b>	<b>93.9%</b>	94.3%	93.6%	
<b>Efficiency at 50% load</b>	<b>93.8%</b>	93.3%	93.6%	
<b>Power factor (cos fi)</b>	<b>0.85</b>	0.84	0.86	
<b>Torque</b>	<b>240. Nm</b>	199. Nm	228. Nm	
<b>Starting current [ratio]</b>	<b>7.1</b>	8.1	7.2	
<b>Starting torque [ratio]</b>	<b>2.2</b>	2.4	2.1	
<b>Breakdown torque [ratio]</b>	<b>2.8</b>	3.1	2.7	
<b>Insulation class</b>	F (155°C)/ temperature rise B (80K)			
<b>Protection</b>	IP55			
<b>Weight</b>	354. kg			
<b>Available Mounting</b>	B3; B5; B3/B5; V1			
<b>Thermal Protection</b>	3x PTCs			
<b>Moment of Inertia</b>	0.6189 kg.m <sup>2</sup>			

