



Squirrel Cage Induction Electric Motor

to 1000 m above sea level

Standard	IEC 60034		
Area	Safe Area		
Туре	TCA 160LA04		
Poles	4 pole		
Frame size	160L		
Material	Cast iron frame		
Environment conditions	-20℃ to +40℃, up		

Volt

Itage	400/690V 50Hz, 460VY 60Hz				
	at 50Hz	at 60Hz*	at 60Hz**	*Nominal (50Hz) Output	
tput	15. kW	15. kW	17.3 kW	**Increased (60Hz) Output	
eed	1476 rpm	1778 rpm	1775 rpm		

	515 5 5 1				
Output	15. kW 15. kW		17.3 kW		
Speed	1476 rpm	1778 rpm	1775 rpm		
Current at 380V 50Hz	29.2 A	n/a	n/a		
Current at 400V 50Hz	27.8 A	n/a	n/a		
Current at 415V 50Hz	26.8 A	n/a	n/a		
Current at 460V 60Hz	n/a	24.2 A	27.3 A		
Efficiency class	IE3	IE3	IE2		
Efficiency at 100% load	92.1%	93.0%	92.4%		
Efficiency at 75% load	92.1%	92.8%	92.4%		
Efficiency at 50% load	92.1%	91.3%	92.1%		
Power factor (cos fi)	0.85	0.84	0.86		
Torque	96.5 Nm	80.1 Nm	93.1 Nm		
Starting current [ratio]	7.5	8.5	7.5		
Starting torque [ratio]	2.5	2.9	2.5		
Breakdown torque [ratio]	3.2	3.6	3.1		
Insulation class	F (155°C)/ temperature rise B (80K)				
Protection	IP55				
Weight	170. kg				
Available Mounting	B3; B5; B3/B5; B14A; B3/B14A; V1				
Thermal Protection	3x PTCs				

0.1603 kg.m² **Moment of Inertia**

