

Electrical Data Sheet



Type		Y500-10 560kW 6kV 50Hz
Weight	kg	4480
Standard		EN-IEC 60034
Output Power	kW	560
Voltage	V	6000
Voltage Tolerance	%	
Connection		Y
Frequency	Hz	50
Frequency Tolerance	%	
Poles		10
Rated Speed	rpm	590
Slip	%	1.667
Rated current	A	71.9
Rotor current	A	
Rotor voltage	V	
Non load current	A	
Rated torque	Nm	9064
Degree of Protection	IP	IP23
Vibration	mm/s	2.8
Mounting		IMB3
Cooling		IC01
Altitude	m	1000m
Max. ambient temperature	°C	-20 ~ 40°C
Insulation Class		F
Temperature Rise		80K
Service factor		1.0
Duty		S1
Application Load		
Starting Method		DIRECT ON LINE
Coupling		DIRECT
Direction of Rotation		Both
DE Bearing type		6330C3
NDE Bearing type		6328C3
Hazardous Area		
Space Heater	V	220
PT100 per phase	pcs	2
PT100 per bearing	pcs	1
Brushes		
Balancing		
Max. sound level	dB(A)	88
Rated efficiency	%	93.7
Rated power factor		0.8
Output 50% - Efficiency	%	90.9
Output 50% - Power Factor		0.68
Output 75% - Efficiency	%	93.9
Output 75% - Power Factor		0.76
Output 100% - Efficiency	%	93.7
Output 100% - Power Factor		0.8
Locked Rotor Current	%	550
Locked Rotor Torque	%	80
Breakdown Torque	%	180
Outline		Y500-6 ~ 12P 3 ~ 7kV

