



Electrical Data Sheet

Manufacturer		FELM s.r.l.
Reference Standards		EN-IEC 60034
Tests to be performed according		IEC
Motor type		YKK400-4 710kW 6kV IC611
Quantity		1
Rated power	kW	710
Rated speed	rpm	1485
Mechanical arrangement		B3
Rated torque	Nm	4.566
* Starting torque	Nm	3653
* Break down torque	Nm	9.000
Cooling method	IC	IC611
Degree of protection	IP	55
Rotor inertia	kgm2	20
Motor weight	kg	3800
Winding insulation process		VPI
Rated voltage	V	6000
Rated current	A	83.6
Rated frequency	Hz	50
Winding connection		Y
Rated efficiency	%	95
Rated power factor		0.86
* Starting current	%	650
Starting current at 100% voltage	A	543.6
Duty		S1
Service factor		1,0
Insulation class		F
Temperature rise class		B
Bearing type (DE/NDE)		6326C3 / 6326C3
Lubrication		SRI-2#
Frame		STELL
Air-air cooling		
Terminal box		1-G4"
Fan		
Fan cover		
Direction of rotation looking at drive end		BOTH
Vibration grade		
Noise pressure level at 1mt at full load	d B(A)	90
Driven machine		
Inertia of the driven machine (kgm ²)		
Painting		RAL 5010
Relative humidity		MAX 90 %
Installation environment		100 Meter ASL
Plant altitude (a.s.l.)		≤1000m
Min ambient temperature		-20°C
Max ambient temperature		40°C
Operating schedule		
Marking --- Supplier quality Assurance		
Noise level evaluation		
ACCESSORIES		
Space heater rated voltage and tolerances.	V/W	230V,500W
Windings thermals detectors		6XPT100
Bearing thermals detectors		2XPT100
Cooling air pressure		
Air cooling thermal switch		
* Note: PERFORMANCE TOLERANCES ARE IN ACCORDANCE WITH IEC 34-1		