


**Electrical Data Sheet**

Manufacturer		FELM s.r.l.
Reference Standards		EN-IEC 60034
Tests to be performed according		IEC
Motor type		F3-315S
Efficiency class		IE3
Power	kW	110
Rated speed	rpm	1485
Rated torque	Nm	705
* Starting torque	%	200
* Break down torque	%	220
Cooling method	IC	411
Degree of protection	IP	55
Rotor inertia	kgm <sup>2</sup>	3,4904
Motor weight	kg	970
Winding insulation process		Dip & Bake
Rated voltage	V	400/690
Rated current	A	193/112
Rated frequency	Hz	50
Winding connection		Δ/Y
*Rated efficiency	%	95,4
*Rated power factor		0,86
* Starting current	%	700
Duty		S1
Service factor		1,0
Insulation class		F
Temperature rise class		80K
Bearing type DE		6319C3
Bearing type NDE		6319C3
Lubrication		Regreasing facility
Frame		Cast-iron
IM type		B35
Terminal box		Cast-iron
Fan		Polyfan
Fan cover		Steel-Sheet
Direction of rotation looking at drive end		Bidirectional
Vibration grade		N
Noise pressure level at 1mt at no load	d B(A)	78
Driven machine		/
Inertia of the driven machine (kgm <sup>2</sup> )		/
Painting		RAL 5010
Climate		Continental
Relative humidity		Max 90%
Installation environment		/
Plant altitude (a.s.l.)		≤1000m.
Min ambient temperature		-20°C
Max ambient temperature		+40°C
Suitable for inverter use at range		/
Double insulated reinforced copper wires		/
Windings thermals detectors		3xPTC (150°C) with terminals in main T.box.
Cooling air pressure		/
Air cooling thermal switch		/
* Note: PERFORMANCE TOLERANCES ARE IN ACCORDANCE WITH IEC 34-1		