



IE3

Data Sheet

Three Phase Induction Motor

Drawing N

Customer

Client reference

Type:

FA3 100L 2 kW.3 2POLES

Identification

Frame:	100	mm	Insulation Class:	F
Output:	3	kW	Temperature Rise:	80K
Frequency:	50	Hz	Service Factor:	1,00
Poles:	2		Duty:	S1
Rated Speed:	2850	rpm	Protection Degree:	IP55
Slip:	5,0	%	Cooling:	IC 411
Rated Voltage:	230 / 400	V	Mounting:	B3
Connection:	Δ / λ		Vibration:	1.8 mm/s
Rated Current:	9,9 / 5,7	A	Approx. Weight:	25 kg
Locked Rotor Current:	800	%	Moment of Inertia:	0.0046 kgm ²
Rated Torque:	10,1	Nm	Noise Level (Lp):	70 dB(A)
Locked Rotor Torque:	240	%	Direction of Rotation:	Both
Breakdown Touque:	240	%	Starting Method:	DOL
Ambient Temperature:	-20 / +40°C		Coupling:	DIRECT
Altitude asl:	1000m		Load Type:	PARABOLIC CURVE
Relative humidity	Max 90%		Painting	RAL 5010

Performance

Bearing Information

Output:	100%	75%	50%	DE	NDE
Efficiency(%) :	87,1	87,1	84,5	Bearing:	6206 2RS C.3 6206 2RS C.3
Power Factor:	0,87	0,83	0,74	Regreasing int.(h):	
				Grease amount(g)	
				Grease-PolyrexEM	

Notes / Accessories

Frame:	Cast iron
Terminal box:	On top Cast iron
Fan:	Polyfan
Fan Cover:	Steel Sheet

Deviation Sheet

FELM
Customer

Standards

Specification:	IEC60034-1
Test:	IEC60034-2
Noise:	IEC60034-9
Vibration:	IEC60034-14

Edition

Performed	Checked	Date
F.L.	M.C	04.09.2020

**PRELIMINARY
DOCUMENT**