



IE3

Data Sheet

Felm Reference

Three Phase Induction Motor

Drawing No.

Customer

Client reference

Type:

F3 180M kW.22 2POLES

Identification

Frame:	180	mm	Insulation Class:	F
Output:	22,0	kW	Temperature Rise:	80K
Frequency:	50	Hz	Service Factor:	1,00
Poles:	2		Duty:	S1
Rated Speed:	2950	rpm	Protection Degree:	IP55
Slip:	1,7	%	Cooling:	IC 411
Rated Voltage:	400 / 690	V	Mounting:	B5
Connection:	Δ / λ		Vibration:	2.2 mm/s
Rated Current:	38,9 / 22,6	A	Approx. Weight:	190 kg
Locked Rotor Current:	820	%	Moment of Inertia:	0.11704 kgm ²
Rated Torque:	71,2	Nm	Noise Level (Lp):	79 dB(A)
Locked Rotor Torque:	200	%	Direction of Rotation:	Both
Breakdown Touque:	230	%	Starting Method:	DOL
Ambient Temperature:	-20 / +40	°C	Coupling:	DIRECT
Altitude asl:	1000	m	Load Type:	PARABOLIC CURVE
Relative humidity	Max 90%		Painting	RAL 5010

Performance

Bearing Information

Output:	100%	75%	50%		DE	NDE
Efficiency(%) :	92,7	92,7	89,9	Bearing:	6311 2Z C.3	6311 2Z C.3
				Regreasing int.(h):		
Power Factor:	0,88	0,84	0,75	Grease amount(g)		
				Grease		

Notes / Accessories

3xPTC 150°C. terminals in main t.box

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

Values are subject to IEC tolerances

Edition

Performed

Checked

Date

F.L.

M.C

18.02.2021

**PRELIMINARY
DOCUMENT**