

VYBO Electric a.s.



Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer	
Client reference	
Type	1LC-280M-8 45KW 400/690V 50HZ
Brand	VYBO Electric

Identification

Type:	1LC-280M-8	Frame:	280	mm	
Power:	45	kW	Poles:	8	
Rated Current:	380 V	94	Rated Voltage:	400 / 690	
	400 V	89,4		Connection:	Δ/Y
	415 V	86,1			Insulation Class:
Speed:	740	rpm	Temperature Rise:		
Frequency:	50	Hz	Service Factor:	1,0	
Direct on line starting torque ratio (LRT/RLT):	1,9		Duty:	S1, S2, S3, S4-S9	
Direct on line pull out torque ratio (BDT/RLT):	2		Ambient Temperature:	-35~50°C (On request possible 62°C)	
Direct on line starting current ratio (LRA/RLA):	6,6		Altitude:	1000m	
Efficiency:	92	%	Protection Degree:	IP55	
Power factor:	0,79		Cooling:	IC411	
Noise level:	76	dB(A)	Mounting:	IM B (On request)	
Weight:	563	kg	Vibration:	2.8 mm/s	
Rotor inertia:	1,93	kg/m ²	Direction of Rotation:	Both	
			Starting Method:	DOL or VFD	
			Coupling:	DIRECT	
			Load Type:	Parabolic or linear curve	
			Terminal box:	2xM63X1.5	



Bearing Information

	DE	NDE
Bearing:	6317C3	6317C3
Regreasing int.(h):		
Grease amount(g):		
Grease:		

Notes / Accessories

Deviation Sheet

	VYBO Electric	Customer

Standards

Specification:	IEC60034-1 / GB755
Test:	IEC60034-2 / GB/T1032
Noise:	IEC60034-9 / GB10069.3
Vibration:	IEC60034-14 / GB10068

Edition

Performed	Checked	Date

Item	Changes	Performed	Checked	Date