

VYBO Electric a.s.



Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer	
Client reference	
Type	1AL-90L-4 1,5KW 230/400V 50HZ
Brand	VYBO Electric

Identification

Type:	1AL-90L-4		Frame:	90	mm		
Power:	1,5	kW	Poles:	4	P		
Rated Current:	380 V	3,72	Rated Voltage:	230	/	400	V
	400 V	3,53		Connection:	Δ/Y		
	415 V	3,39			Insulation Class:	F	
Speed:	1400	rpm	Temperature Rise:				
Frequency:	50	Hz	Service Factor:	1,0			
Direct on line starting torque ratio (LRT/RLT):	2,3		Duty:	S1, S2, S3, S4-S9			
Direct on line pull out torque ratio (BDT/RLT):	2,3		Ambient Temperature:	-35 ~ 50°C (On request possible 62°C)			
Direct on line starting current ratio (LRA/RLA):	6,0		Altitude:	1000m			
Efficiency:	78,5	%	Protection Degree:	IP55			
Power factor:	0,78		Cooling:	IC411			
Noise level:	61	dB(A)	Mounting:	IM B (On request)			
Weight:	14	kg	Vibration:	2.8 mm/s			
Rotor inertia:	0,0027	kg/m ²	Direction of Rotation:	Both			
			Starting Method:	DOL or VFD			
			Coupling:	DIRECT			
			Load Type:	Parabolic or linear curve			
			Terminal box:	2-M25X1.5			



Bearing Information

	DE	NDE
Bearing:	62052Z	62052Z
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