

# VYBO Electric a.s.



## Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer	
Client reference	
Type	4AL-160M-4 11KW 400/690V 50HZ
Brand	VYBO Electric

### Identification

Type:	4AL-160M-4		Frame:	160		mm	
Power:	11	kW	Poles:	4		P	
Rated Current:	380 V	21,1	Rated Voltage:	400	/	690 V	
	400 V	20		Connection:	Δ/Y		
	415 V	19,3		Insulation Class:	F		
Speed:	1475	rpm	Temperature Rise:				
Frequency:	50	Hz	Service Factor:	1,0			
Direct on line starting torque ratio (LRT/RLT):	2		Duty:	S1, S2, S3, S4-S9			
Direct on line pull out torque ratio (BDT/RLT):	2,3		Ambient Temperature:	-35~50°C			
Direct on line starting current ratio (LRA/RLA):	9,5		Altitude:	1000m			
Efficiency:	93,3	%	Protection Degree:	IP55			
Power factor:	0,83		Cooling:	IC411			
Noise level:	73	dB(A)	Mounting:	IM B (On request)			
Weight:	139	kg	Vibration:	2.8 mm/s			
Rotor inertia:	0,08689	kg/m <sup>2</sup>	Direction of Rotation:	Both			
			Starting Method:	DOL or VFD			
			Coupling:	DIRECT			
			Load Type:	Parabolic or linear curve			
			Terminal box:	2-M40X1.5			



### Bearing Information

	DE	NDE
Bearing:	6309-2RZC3	6309-2RZC3
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