

VYBO Electric a.s.



Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer	
Client reference	
Type	H17R 450-8 500KW 6000V 50HZ
Brand	VYBO Electric

Identification

Type:	H17R 450-8	Frame:	450	mm
Power:	500 kW	Poles:	8	P
Rated Current:	64,2 A	Rated Voltage:	6 000	V
Speed:	742 rpm	Connection:	Y	
Frequency:	50 Hz	Insulation Class:	F	
Locked Rotor Current:	550 %	Temperature Rise:	80K	
Rated Torque:	6435,3 Nm	Service Factor:	1,0	
Locked Rotor Torque:	80 %	Duty:	S1	
Breakdown Torque:	200 %	Ambient Temperature:	-20 ~ 40°C	
Noise level:	89 dB(A)	Altitude:	1000m	
Approx. weight:	4820 kg	Protection Degree:	IP55	
Rotor inertia:	45 kg/m ²	Cooling:	IC411	
Slip:	0,01	Mounting:	IM B3	
		Vibration:	2.8 mm/s	
		Direction of Rotation:	BOTH	
		Starting Method:	DOL	
		Coupling:	DIRECT	
		Load Type:	Parabolic or linear curve	

Performance

Bearing Information

Output:	50%	75%	100%		DE	NDE
Efficiency (%):	92,1	94,9	94,9	Bearing:	6328C3	6328C3
				Regreasing int.(h):	4000	4000
Power factor:	0,67	0,75	0,79	Grease amount(g):	95	95
				Grease:	CALTEX SRI-2#	CALTEX SRI-2#

Notes / Accessories

With winding RTD: PT100 3 PCS
With Bearing RTD: PT100 2 PCS
With Space Heater 230V



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