

VYBO Electric a.s.



Data Sheet

No.

Three Phase Induction Motor

Drawing No.

Customer	
Client reference	
Type	H17R 450-2 800KW 6000V 50HZ
Brand	VYBO Electric

Identification

Type:	H17R 450-2	Frame:	450	mm
Power:	800 kW	Poles:	2	P
Rated Current:	92,4 A	Rated Voltage:	6 000	V
Speed:	2982 rpm	Connection:	Y	
Frequency:	50 Hz	Insulation Class:	F	
Locked Rotor Current:	700 %	Temperature Rise:	80K	
Rated Torque:	2562 Nm	Service Factor:	1,0	
Locked Rotor Torque:	70 %	Duty:	S1	
Breakdown Torque:	200 %	Ambient Temperature:	-20 ~ 40°C	
Noise level:	98 dB(A)	Altitude:	1000m	
Approx. weight:	4650 kg	Protection Degree:	IP55	
Rotor inertia:	21 kg/m ²	Cooling:	IC411	
Slip:	0,0067	Mounting:	IM B3	
		Vibration:	2.8 mm/s	
		Direction of Rotation:	CW	
		Starting Method:	DOL	
		Coupling:	DIRECT	
		Load Type:	Parabolic or linear curve	

Performance

Bearing Information

Output:	50%	75%	100%		DE	NDE
Efficiency (%):	92,9	95,8	95,8	Bearing:	6222C3	6222C3
				Regreasing int.(h):	2000	2000
Power factor:	0,74	0,83	0,87	Grease amount(g):	38	38
				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