




VYBO Electric a.s.							
Data Sheet				No.			
Three Phase Squirrel Cage Induction Motor				Drawing No.			
Customer							
Client reference							
Type				H17RL-450X3-2 1000KW 400V/690V 50HZ			
Brand				VYBO Electric			
General data				Environmental conditions			
Type:	H17RL 450X3-2			Ambient Temperature:	-20~40°C		
Frame:	450	mm		Altitude:	1000 m		
Electrical data				Mechanical data			
Power:		1000	kW	Temperature Rise:	B		
Rated Current:	400V	1688	A	Mounting:	IM B3		
	690V	981	A	Duty:	S1		
Speed:		2985	rpm	Protection Degree:	IP55		
Frequency:		50	Hz	Insulation Class:	F		
Poles:		2	P	Cooling:	IC411		
Rated Voltage:		400/690	V	Weight:	5600 kg		
Rated Torque		3199	Nm	Vibration:	2.8 mm/s		
Connection:	D/Y			Direction of Rotation:	Both		
Ist/In:	750	%		Starting Method:	DOL or VFD		
Tst/Tn:	110	%		Load Type:	Parabolic or linear curve		
Tmax/Tn:	200	%		Color:	RAL7030		
Full Load Torque:	326	Kg-m		Paint Shade:	shiny		
Moment of inertia:	38	Kg-m ²		Rotor Cage:	massive aluminium squirrel cage		
				Type of Terminal box:	VYBO CB2		
Performance				Bearing Information			
Output:	100%				DE	NDE	
Efficiency (%):	96,1			Bearing:	6221C3	6221C3	
Power factor:	0,89			Grease:	SKF LGHP2	SKF LGHP2	
Notes / Accessories							
6 x PT100 in windings							
1 x PT100 in NDE bearing							
1 x PT100 in DE bearing							
Space Heater 230V							
3 x PTC in windings							
Standards							
Specification:	IEC60034-1						
Test:	IEC60034-2						
Noise:	IEC60034-9						
Vibration:	IEC60034-14						
Edition							
Performed	Checked	Date					
Item	Changes			Performed	Checked	Date	