




VYBO Electric a.s.							
Data Sheet				No.			
Three Phase Squirrel Cage Induction Motor				Drawing No.			
Customer							
Client reference							
Type				H17RL-450X1-6 630KW 400V/690V 50HZ			
Brand				VYBO Electric			
General data			Environmental conditions				
Type:	H17RL 450X1-6		Ambient Temperature:	-20~40°C			
Frame:	450	mm	Altitude:	1000 m			
Electrical data			Mechanical data				
Power:		630	kW	Temperature Rise:	B		
Rated Current:	400V	1104	A	Mounting:	IM B3		
	690V	640	A	Duty:	S1		
Speed:		990	rpm	Protection Degree:	IP55		
Frequency:		50	Hz	Insulation Class:	F		
Poles:		6	P	Cooling:	IC411		
Rated Voltage:		400/690	V	Weight:	4800 kg		
Rated Torque		6077	Nm	Vibration:	2.8 mm/s		
Connection:	D/Y			Direction of Rotation:	Both		
Ist/In:	700		%	Starting Method:	DOL or VFD		
Tst/Tn:	110		%	Load Type:	Parabolic or linear curve		
Tmax/Tn:	200		%	Color:	RAL7030		
Full Load Torque:		620	Kg-m	Paint Shade:	shiny		
Moment of inertia:		47	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:	6328C3	6328C3		
Power factor:	0,86		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		