




VYBO Electric a.s.						
Data Sheet			No.			
Three Phase Squirrel Cage Induction Motor			Drawing No.			
Customer						
Client reference						
Type			H27R-5002-4 1600KW 6000V 50HZ			
Brand			VYBO Electric			
General data			Environmental conditions			
Type:	H27R 5002-4		Ambient Temperature:	-20~40°C		
Frame:	500	mm	Altitude:	1000 m		
Electrical data			Mechanical data			
Power:	1600	kW	Temperature Rise:	80K		
Rated Current:	178,6	A	Mounting:	IM B3		
Speed:	1491	rpm	Duty:	S1		
Frequency:	50	Hz	Protection Degree:	IP55		
Poles:	4	P	Insulation Class:	F		
Rated Voltage:	6000	V	Cooling:	IC611 (on request IC616, IC666)		
Rated torque	10248	Nm	Weight:	5760 kg		
Connection:	Y		Vibration:	2.8 mm/s		
Mmax/Mn:	2,2		Direction of Rotation:	Both		
Mst/Mn:	0,80		Starting Method:	DOL or VFD		
Ist/Mn:	6		Load Type:	Parabolic or linear curve		
Jmotor:	56	kg/m2	Color:	RAL7030		
Jload:	773	kg/m2	Paint shade:	shiny		
			Rotor cage:	copper bar		
			Type of terminal box:	VYBO CB1		
Performance			Bearing Information			
Output:	100%			DE	NDE	
Efficiency (%):	96,1		Bearing:	NU230+6032	NU230	
Power factor:	0,9		Grease:	CALTEX SRI-2#	CALTEX SRI-2#	
Notes / Accessories						
6 x PT100 in windings						
1 x PT100 in NDE bearing						
1 x PT100 in DE bearing						
Space Heater 230V						
Standards						
Specification:	IEC60034-1					
Test:	IEC60034-2					
Noise:	IEC60034-9					
Vibration:	IEC60034-14					
Edition						
Performed		Checked	Date			
Item	Changes		Performed	Checked	Date	