




VYBO Electric a.s.									
Data Sheet				No.					
Three Phase Induction Motor				Drawing No.					
Customer									
Client reference									
Type		2GDC-280LX-4 412,1kW-502,9kW							
Brand		VYBO Electric							
Identification									
Type:	2GDC-280LX-4			Frame:	280		mm		
Power:	412,1-502,9		kW	Poles:	4		P		
Speed range (base speed) at armature voltage	400V	860-1025		rpm	Rated Voltage:	400	-	500	V
	500 V	1085-1280			Connection:				
Arm. current:	1050-1208		A	Insulation Class:	H				
Torque:	3678-4486		Nm	Duty:	S1				
Resistance:	0,016-0,021		Ω	Ambient Temperature:	-20~40°C				
Inductance:	0,65-1,07		mH	Altitude:	1000 m				
Efficiency:	92,2-93,7		%	Protection Degree:	IP23				
Weight:	1900		kg	Cooling:	IC06				
Moment of inertia:	8,90		kg/m ²	Mounting:	IM B (On request)				
Field loss:	6800-7480		W	Vibration:	2,8 mm/s				
				Direction of Rotation:	Both				
				Coupling:	Flexible				
				Terminal Box:					
				Bearing Information					
					DE		Commutator End		
				Bearing:	6222-C3		6220-C3		
				Blower motor data					
Electric supply	F.L.C. (A)		Output (kW)						
3x380-420 V 50 Hz	10,76		5,64						
Notes / Accessories				Deviation Sheet					
				VYBO Electric		Customer			
Standards									
Specification:	IEC60034-1								
Test:	IEC60034-2								
Noise:	IEC60034-9								
Vibration:	IEC60034-14								
Edition									
Performed		Checked		Date					
Item	Changes			Performed	Checked	Date			

Cont. output	Max. electrical speed	Base speed (min-1) at armature voltage (V)				Rated armature current	Torque	Efficiency	Armature circuit		Field loss
		400	440	460	500				Inductance	Resistance	
(kW)	(min-1)					(A)	(Nm)	(%)	(mH)	(Ohm)	(W)
412,1	1355	860				1093	4486	92,2	1,07	0,021	6800
454,9	1380		950			1092	4483	92,7	1,07	0,021	6800
476,3	1390			995		1091	4482	92,8	1,07	0,021	6800
502,9	1400				1085	1054	4339	93,3	1,07	0,021	6800
458,0	1550	1025				1208	4183	92,7	0,65	0,016	7480
491,6	1560		1130			1174	4073	93,1	0,65	0,016	7480
497,8	1620			1180		1134	3949	93,3	0,65	0,016	7480
502,9	1730				1280	1050	3678	93,7	0,65	0,016	7480

IC06/17/37/86W