


VYBO Electric a.s.									
Data Sheet					No.				
Three Phase Induction Motor					Drawing No.				
Customer									
Client reference									
Type			1GDC-112-2-S2 2,6KW-7 KW						
Brand			VYBO Electric						
Identification									
Type:	1GDC-112-2-S2			Frame:	112			mm	
Power:	2,6-7		kW	Poles:				P	
Rated speed:	160 V	1070-1450		rpm	Rated Voltage:	160	-	440	V
	400 V	895-2660			Connection:				
	440 V	1010-2980			Insulation Class:	H			
Speed with field weakened:	2000-4000		rpm	Duty:	S1				
Arm. current:	9-31,3		A	Ambient Temperature:	-20~40°C				
Field power:	350		W	Altitude:	1000 m				
Resistance:	0,567-7,62		Ω	Protection Degree:	IP23				
Resistance:	6,2-83		mH	Cooling:	IC06				
Inductance:	14-19		mH	Mounting:	IM B (On request)				
Efficiency:	65,1-83,5		%	Vibration:	2,8 mm/s				
Weight:	107		kg	Direction of Rotation:	Both				
Moment of inertia:	0,088		kg/m ²	Coupling:	Flexible				
				Terminal Box:	VYBO-CB6				
Standards					Bearing Information				
Specification:	IEC60034-1					Drive End		Commutator End	
Test:	IEC60034-2				Bearing:				
Noise:	IEC60034-9				Blower motor data				
Vibration:	IEC60034-14				Air volume:	220		m ³ /h	
Notes / Accessories					Static pressure:	300		Pa	
					Motor output:	0,06		kW	

Technical data for 1GDC

Frame reference and size	Rated Power	Full load speed in revolutions per minute			Speed with field weakened	Arm. current	Field power	Arm. circuit resistance	Arm. circuit resistance	Field inductance	Efficiency	Moment of Inertia	Weight
		160V	400V	440V									
Type	KW	r/min			r/min	A	W	(Ω (20°C))	mH	H	%	kg.m ²	Kg
1GDC-112-2 S2	4	1450			3000	31.3	350	0.567	6.2	14	72.6	0.088	107
	3	1070			2000	24.8		0.934	10.3	14	66.8		
	7		2660		4000	20.4		1.305	14	19	82.4		
	7.5			2980	4000	19.7					83.5		
	3.7		1320		3000	11.7		4.24	48.5	19	74.1		
	4			1500	3000	11.2					76		
	2.6		895		2000	9		7.62	83	14	65.1		
	3			1010	2000	9.1					67.3		