


VYBO Electric a.s.									
Data Sheet					No.				
Three Phase Induction Motor					Drawing No.				
Customer									
Client reference									
Type							1GDC-112-4-S2 5KW-15 KW		
Brand							VYBO Electric		
Identification									
Type:	1GDC-112-4-S2			Frame:	112			mm	
Power:	5-15		kW	Poles:			P		
Rated speed:	160 V	955-1090		rpm	Rated Voltage:	160	-	440	V
	400 V	1330-2740			Connection:				
	440 V	1025-3035			Insulation Class:	H			
Speed with field weakened:	1200-3600		rpm	Duty:	S1				
Arm. current:	15,7-43,5		A	Ambient Temperature:	-20~40°C				
Field power:	570		W	Altitude:	1000 m				
Resistance:	0,441-3,46		Ω	Protection Degree:	IP23				
Resistance:	5,1-40,5		mH	Cooling:	IC06				
Inductance:	5,8-7,8		mH	Mounting:	IM B (On request)				
Efficiency:	69,5-85,4		%	Vibration:	2,8 mm/s				
Weight:	114		kg	Direction of Rotation:	Both				
Moment of inertia:	0,156		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-112-4 S2	5,5	1090			2000	43,5	570	0,441	5,1	7,8	69,5	0,156	114
	13		2740		3600	37		0,574	6,4	5,8	84,4		
	15			3035	3600	38,6					85,4		
	6,7		1330		1800	20,6		2,12	24,1	7,8	76,8		
	7,5			1480	1800	20,6					78,4		
	5	955			1200	16,1		3,46	40,5	5,8	71,1		
	5,5			1025	1200	15,7					71,9		