


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-132-2 10KW-22 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-132-2			Frame:		132			mm	
Power:		10-22		kW	Poles:					P	
Rated speed:		400V	905-2800		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	995-3090			Insulation Class:		H			
Speed with field weakened:		1400-3600			rpm		Duty:		S1		
Arm. current:		30,5-55,4			A		Ambient Temperature:		-20~40°C		
Field power:		730			W		Altitude:		1000 m		
Resistance:		0,226-1,565			Ω		Protection Degree:		IP23		
Resistance:		3,65-26			mH		Cooling:		IC06		
Inductance:		6-10			mH		Mounting:		IM B (On request)		
Efficiency:		75,6-88,3			%		Vibration:		2,8 mm/s		
Weight:		160			kg		Direction of Rotation:		Both		
Moment of inertia:		0.4			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									
Notes / Accessories						Air volume:		360		m ³ /h	
						Static pressure:		450		Pa	
						Motor output:		0,18		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
		400V	440V									
Type	KW	r/min		r/min	A	W	(Ω (20°C))	mH	H	%	kg.m ²	Kg
1GDC-132-2	20	2800		3600	55,4	730	0,226	3,65	10	87,8	0.4	160
	22		3090	3600	55,3					88,3		
	15	1360		2500	44,5		0,811	13,5	7,7	81,2		
	15		1510	2500	39,5					83,4		
	10	905		1400	31,1		1,565	26	6	75,6		
	11		995	1400	30,5					77,7		