

VYBO Electric a.s.													
Data Sheet							No.						
Direct Current Electric 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:		45952		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:		10.6		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/m²	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		m3/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
	PN	400V	440V	NF	LN	PF	R	LA	LF	Eff.	GD ²	
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					81,2		
	15		1510	2500	39,5		0,811	13,5	7,7	83,4		
	10	905		1400	31,1					75,6		
	11		995	1400	30,5		1,565	26	6	77,7		