

VYBO Electric a.s.													
Data Sheet						No.							
Direct Current Electric Motor						Drawing No.							
Customer													
Client reference													
Type				1GDC-132-1 7KW-18,5 KW									
Brand				VYBO Electric									
Identification													
Type:		1GDC-132-1			Frame:		132				mm		
Power:		7-18,5		kW	Poles:						P		
Rated speed:	400V	865-2610		rpm	Rated Voltage:		400	-		440	V		
	/	/			Connection:								
	440V	975-2850			Insulation Class:		H						
Speed with field weakened:		1600-4000		rpm	Duty:		S1						
Arm. current:		21,4-52,2		A	Ambient Temperature:		-20~40°C						
Field power:		650		W	Altitude:		1000 m						
Resistance:		0,368-2,56		Ω	Protection Degree:		IP23						
Resistance:		5,3-37,5		mH	Cooling:		IC06						
Inductance:		6,3-8,9		mH	Mounting:		IM B (On request)						
Efficiency:		71,9-85,9		%	Vibration:		2,8 mm/s						
Weight:		140		kg	Direction of Rotation:		Both						
Moment of inertia:		0,32		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-132-1	18,5	2610		4000	52,2	650	0,368	5,3	6,5	85	0,32	140
	18,5		2850	4000	47,1					85,9		
	10	1330		2100	30,1		1,309	18,9	8,9	79,4		
	11		1480	2200	29,6					80,9		
	7	865		1600	22,7		2,56	37,5	6,3	71,9		
	7,5		975	1600	21,4					74,5		