


VYBO Electric a.s.												
Data Sheet					No.							
Three Phase Induction 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/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-132-1	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		