

VYBO Electric a.s.											
Data Sheet						No.					
Direct Current Electric Motor						Drawing No.					
Customer											
Client reference											
Type						1GDC-225-31 67KW-132 KW					
Brand						VYBO Electric					
Identification											
Type:		1GDC-225-31		Frame:		225				mm	
Power:		67-132		kW		Poles:				P	
Rated speed:	400V	680-1360		rpm	Rated Voltage:		400	-	440	V	
	/	/			Connection:						
	440V	750-1500			Insulation Class:		H				
Speed with field weakened:		2000-2400		rpm		Duty:		S1			
Arm. current:		197-327		A		Ambient Temperature:		-20~40°C			
Field power:		2580		W		Altitude:		1000 m			
Resistance:		0,0454-0,167		Ω		Protection Degree:		IP23			
Resistance:		1,5-5,1		mH		Cooling:		IC06			
Inductance:		5,3-5,44		mH		Mounting:		IM B (On request)			
Efficiency:		82,5-90,5		%		Vibration:		2,8 mm/s			
Weight:		800		kg		Direction of Rotation:		Both			
Moment of inertia:		6,2		kg/m²		Coupling:		Flexible			
						Terminal Box:		VYBO-CB6			
Standards						Bearing Information					
Specification:		IEC60034-1						Drive End		Commutator End	
Test:		IEC60034-2				Bearing:		6316/C3		6216/C3	
Noise:		IEC60034-9				Blower motor data					
Vibration:		IEC60034-14									
Notes / Accessories						Air volume:		2880		m³/h	
						Static pressure:		1400		Pa	
						Motor output:		3,0		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-225-31	119	1360		2400	327	2580	0,0454	1,5	5,33	89,3	6,2	800
	132		1500							90,5		
	81	900		2000	227		0,093	3,4	5,3	86,9		
	90		1000							88		
	67	680		2250	197		0,167	5,1	5,44	82,5		
	75		750							85,1		