


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction 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/m ²	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		m ³ /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
		400V	440V									
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			