


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-160-11 19,5KW-37 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-160-11			Frame:		160			mm	
Power:		19,5-37		kW	Poles:					P	
Rated speed:		400V	1350-2710		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	1500-3000			Insulation Class:		H			
Speed with field weakened:		3000-3500		rpm	Duty:		S1				
Arm. current:		58,8-93,4		A	Ambient Temperature:		-20~40°C				
Field power:		820		W	Altitude:		1000 m				
Resistance:		0,1835-0,593		Ω	Protection Degree:		IP23				
Resistance:		3,15-10,4		mH	Cooling:		IC06				
Inductance:		7,7-10		mH	Mounting:		IM B (On request)				
Efficiency:		80,4-88,5		%	Vibration:		2,8 mm/s				
Weight:		220		kg	Direction of Rotation:		Both				
Moment of inertia:		0,64		kg/m ²	Coupling:		Flexible				
					Terminal Box:		VYBO-CB6				
Standards					Bearing Information						
Specification:		IEC60034-1					Drive End		Commutator End		
Test:		IEC60034-2			Bearing:		6310/C3		6210/C3		
Noise:		IEC60034-9			Blower motor data						
Vibration:		IEC60034-14									
Notes / Accessories					Air volume:		790		m ³ /h		
					Static pressure:		600		Pa		
					Motor output:		0,37		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-160-11	33	2710		3500	93,4	820	0,1835	3,15	10	87,4	0,64	220
	37		3000							88,5		
	19,5	1350		3000	58,8	0,593	10,4	7,7	80,4			
	22		1500						82,6			