


VYBO Electric a.s.												
Data Sheet					No.							
Three Phase Induction Motor					Drawing No.							
Customer												
Client reference												
Type			1GDC-180-31 19,5KW-37KW									
Brand			VYBO Electric									
Identification												
Type:			1GDC-180-31			Frame:			180			mm
Power:			19,5-37		kW	Poles:						P
Rated speed:		400V	540-900		rpm	Rated Voltage:			400	-	440	V
		/	/			Connection:						
		440V	600-1000			Insulation Class:			H			
Speed with field weakened:			1250-2000		rpm	Duty:			S1			
Arm. current:			62-97		A	Ambient Temperature:			-20~40°C			
Field power:			1500		W	Altitude:			1000 m			
Resistance:			0,332-0,801		Ω	Protection Degree:			IP23			
Resistance:			7,7-19		mH	Cooling:			IC06			
Inductance:			6,6		mH	Mounting:			IM B (On request)			
Efficiency:			74,8-83,6		%	Vibration:			2,8 mm/s			
Weight:			380		kg	Direction of Rotation:			Both			
Moment of inertia:			1,92		kg/m ²	Coupling:			Flexible			
						Terminal Box:			VYBO-CB6			
Standards					Bearing Information							
Specification:		IEC60034-1						Drive End		Commutator End		
Test:		IEC60034-2			Bearing:		6312/C3		6212/C3			
Noise:		IEC60034-9			Blower motor data							
Vibration:		IEC60034-14										
Notes / Accessories					Air volume:		1200		m ³ /h			
					Static pressure:		940		Pa			
					Motor output:		1,10		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-180-31	33	900		2000	97	1500	0,332	7,7	6,6	82,8	1,92	380
	37		1000							83,6		
	19,5	540		1250	62	0,801	19	6,6	74,8			
	22		600						76,6			