

VYBO Electric a.s.													
Data Sheet							No.						
Direct Current Electric Motor							Drawing No.						
Customer													
Client reference													
Type				1GDC-280-11 226KW-250 KW									
Brand				VYBO Electric									
Identification													
Type:		1GDC-280-11			Frame:			280			mm		
Power:		226-250		kW	Poles:						P		
Rated speed:	400V	1355		rpm	Rated Voltage:			400	-	440	V		
	/	/			Connection:								
	440V	1500			Insulation Class:			H					
Speed with field weakened:		2000		rpm	Duty:			S1					
Arm. current:		614		A	Ambient Temperature:			-20~40°C					
Field power:		3100		W	Altitude:			1000 m					
Resistance:		0,02134		Ω	Protection Degree:			IP23					
Resistance:		0,69		mH	Cooling:			IC06					
Inductance:		4,58		mH	Mounting:			IM B (On request)					
Efficiency:		90,9-91,6		%	Vibration:			2,8 mm/s					
Weight:		1280		kg	Direction of Rotation:			Both					
Moment of inertia:		16,4		kg/m²	Coupling:			Flexible					
					Terminal Box:			VYBO-CB6					
Standards					Bearing Information								
Specification:		IEC60034-1						Drive End		Commutator End			
Test:		IEC60034-2			Bearing:			6320/C3		6218/C3			
Noise:		IEC60034-9			Blower motor data								
Vibration:		IEC60034-14											
Notes / Accessories					Air volume:			4000		m3/h			
					Static pressure:			1600		Pa			
					Motor output:			4,0		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-280-11	226	1355		2000	614	3100	0,02134	0,69	4,58	90,9	16,4	1280
	250		1500							91,6		