


VYBO Electric a.s.									
Data Sheet				No.					
Direct Current Electric Motor				Drawing No.					
Customer									
Client reference									
Type		1GDC-400-32 208KW-550 KW							
Brand		VYBO Electric							
Identification									
Type:	1GDC-400-32			Frame:	400		mm		
Power:	208-550		kW	Poles:				P	
Rated speed:	400V	270-680		rpm	Rated Voltage:	400	-	440	V
	/	/			Connection:				
	440V	300-750			Insulation Class:	H			
Speed with field weakened:	900-1400		rpm	Duty:	S1				
Arm. current:	611-1340		A	Ambient Temperature:	-20~40°C				
Field power:	6400		W	Altitude:	1000 m				
Resistance:	0,0112-0,0659		Ω	Protection Degree:	IP23				
Resistance:	0,3-1,5		mH	Cooling:	IC06				
Inductance:	4,51-9,57		mH	Mounting:	IM B (On request)				
Efficiency:	82,8-92,5		%	Vibration:	2,8 mm/s				
Weight:	4900		kg	Direction of Rotation:	Both				
Moment of inertia:	84		kg/m ²	Coupling:	Flexible				
				Terminal Box:	VYBO-CB6				
Standards				Bearing Information					
Specification:	IEC60034-1				Drive End	Commutator End			
Test:	IEC60034-2			Bearing:	6326/C3	6226/C3			
Noise:	IEC60034-9			Blower motor data					
Vibration:	IEC60034-14			Air volume:	7200	m ³ /h			
Notes / Accessories				Static pressure:	1800	Pa			
				Motor output:	5,5	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-400	32	500	680	1400	1340	6400	0,0112	0,3	9,57	91,2	84	4900
		550	750							92,5		
	32	400	540	1300	1083	6400	0,0162	0,35	4,51	89,9	84	4900
		440	600							91,9		
	32	344	450	1300	952	6400	0,0248	0,58	6	88,1	84	4900
		380	500							89,5		
	31	270	360	1200	768	6400	0,03821	0,82	6,11	86	84	4900
		300	400							87,5		
	31	208	270	900	611	6400	0,0659	1,5	5,89	82,8	84	4900
		230	300							84		