


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-200-21 27KW-75 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-200-21			Frame:		200			mm	
Power:		27-75		kW	Poles:					P	
Rated speed:		400V	540-1350		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	600-1500			Insulation Class:		H			
Speed with field weakened:		1000-3000			rpm		Duty:		S1		
Arm. current:		82-188			A		Ambient Temperature:		-20~40°C		
Field power:		1500			W		Altitude:		1000 m		
Resistance:		0,0885-0,535			Ω		Protection Degree:		IP23		
Resistance:		2,8-14			mH		Cooling:		IC06		
Inductance:		6,78-9,64			mH		Mounting:		IM B (On request)		
Efficiency:		78,8-89,6			%		Vibration:		2,8 mm/s		
Weight:		530			kg		Direction of Rotation:		Both		
Moment of inertia:		4,2			kg/m ²		Coupling:		Flexible		
							Terminal Box:		VYBO-CB6		
Standards						Bearing Information					
Specification:		IEC60034-1						Drive End		Commutator End	
Test:		IEC60034-2				Bearing:		6314/C3		6214/C3	
Noise:		IEC60034-9				Blower motor data					
Vibration:		IEC60034-14									
Notes / Accessories						Air volume:		1600		m ³ /h	
						Static pressure:		800		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-200	21	67	1350	3000	188	1500	0,0885	2,8	6,78	88,7	4,2	530
		75	1500							89,6		
	21	27	540	1000	82	0,535	14	9,64	78,8			
		30	600						80,4			