


VYBO Electric a.s.									
Data Sheet				No.					
Three Phase Induction Motor				Drawing No.					
Customer									
Client reference									
Type			1GDC-225-21 40KW-55 KW						
Brand			VYBO Electric						
Identification									
Type:	1GDC-225-21			Frame:	225			mm	
Power:	40-55		kW	Poles:				P	
Rated speed:	400V	450-540		rpm	Rated Voltage:	400	-	440	V
	/	/			Connection:				
	440V	500-600			Insulation Class:	H			
Speed with field weakened:	1000		rpm	Duty:	S1				
Arm. current:	125-148		A	Ambient Temperature:	-20~40°C				
Field power:	2470		W	Altitude:	1000 m				
Resistance:	0,2648-0,397		Ω	Protection Degree:	IP23				
Resistance:	9,5-13,7		mH	Cooling:	IC06				
Inductance:	4,14-5,41		mH	Mounting:	IM B (On request)				
Efficiency:	76,6-82,4		%	Vibration:	2,8 mm/s				
Weight:	740		kg	Direction of Rotation:	Both				
Moment of inertia:	5,6		kg/m ²	Coupling:	Flexible				
				Terminal Box:	VYBO-CB6				
Standards				Bearing Information					
Specification:	IEC60034-1				Drive End	Commutator End			
Test:	IEC60034-2			Bearing:	6316/C3	6216/C3			
Noise:	IEC60034-9			Blower motor data					
Vibration:	IEC60034-14			Air volume:	2880	m ³ /h			
				Static pressure:	1400	Pa			
				Motor output:	3,0	kW			
Notes / Accessories									

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-225-21	49	540		1000	148	2470	0,2648	9,5	4,14	79,3	5,6	740
	55		600							82,4		
	40	450		1000	125	0,397	13,7	5,41	76,6			
	45		500						78,9			