


VYBO Electric a.s.									
Data Sheet				No.					
Three Phase Induction Motor				Drawing No.					
Customer									
Client reference									
Type		1GDC-355-42 225KW-400 KW							
Brand		VYBO Electric							
Identification									
Type:	1GDC-355-42			Frame:	355		mm		
Power:	225-400		kW	Poles:				P	
Rated speed:	400V	360-540		rpm	Rated Voltage:	400	-	440	V
	/	/			Connection:				
	440V	400-600			Insulation Class:	H			
Speed with field weakened:	1200-1300		rpm	Duty:	S1				
Arm. current:	627-985		A	Ambient Temperature:	-20~40°C				
Field power:	6500		W	Altitude:	1000 m				
Resistance:	0,01836-0,0358		Ω	Protection Degree:	IP23				
Resistance:	0,64-1,2		mH	Cooling:	IC06				
Inductance:	17,7-29,6		mH	Mounting:	IM B (On request)				
Efficiency:	87,5-91,5		%	Vibration:	2,8 mm/s				
Weight:	3840		kg	Direction of Rotation:	Both				
Moment of inertia:	60		kg/m ²	Coupling:	Flexible				
				Terminal Box:	VYBO-CB6				
Standards				Bearing Information					
Specification:	IEC60034-1				Drive End	Commutator End			
Test:	IEC60034-2			Bearing:	6324/C3	6224/C3			
Noise:	IEC60034-9			Blower motor data					
Vibration:	IEC60034-14			Air volume:	5200	m ³ /h			
Notes / Accessories				Static pressure:	1600	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-355-42	361	540		1300	985	6500	0,01836	0,64	29,6	90,5	60	3840
	400		600							91,5		
	320	450		1200	882	0,02361	0,76	17,7	88,9			
	355		500						89,2			
	225	360		1200	627	0,0358	1,2	17,7	87,5			
	250		400						88,8			