


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-200-11 19,5KW-110 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-200-11			Frame:		200			mm	
Power:		19,5-110		kW	Poles:					P	
Rated speed:		400V	450-2710		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	500-3000			Insulation Class:		H			
Speed with field weakened:		1000-3000			rpm		Duty:		S1		
Arm. current:		64-271			A		Ambient Temperature:		-20~40°C		
Field power:		1400			W		Altitude:		1000 m		
Resistance:		0,0373-0,93			Ω		Protection Degree:		IP23		
Resistance:		0,83-21,9			mH		Cooling:		IC06		
Inductance:		7,01-7,77			mH		Mounting:		IM B (On request)		
Efficiency:		72,2-91,6			%		Vibration:		2,8 mm/s		
Weight:		485			kg		Direction of Rotation:		Both		
Moment of inertia:		3,68			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	12	99	2710	3000	271	1400	0,0373	0,83	7,62	90,2	3,68	485
		110								3000		
	11	40,5	900	2000	118		0,2653	8,4	7,01	83,4		
		45								1000		
	11	33	670	1600	99		0,369	10,6	7,77	80,2		
		37								750		
	11	19,5	450	1000	64		0,93	21,9	7,3	72,2		
		22								500		