


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-225-11 33KW-110 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-225-11			Frame:		225			mm	
Power:		33-110		kW	Poles:					P	
Rated speed:		400V	450-1360		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	500-1500			Insulation Class:		H			
Speed with field weakened:		1000-3000			rpm		Duty:		S1		
Arm. current:		103-276			A		Ambient Temperature:		-20~40°C		
Field power:		2300			W		Altitude:		1000 m		
Resistance:		0,0664-0,476			Ω		Protection Degree:		IP23		
Resistance:		2,1-15,2			mH		Cooling:		IC06		
Inductance:		4,28-6,38			mH		Mounting:		IM B (On request)		
Efficiency:		76,5-89,4			%		Vibration:		2,8 mm/s		
Weight:		680			kg		Direction of Rotation:		Both		
Moment of inertia:		5			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									
Notes / Accessories					Air volume:		2880		m ³ /h		
					Static pressure:		1400		Pa		
					Motor output:		3,0		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-225-11	99	1360		3000	276	2300	0,0664	2,1	4,45	87,9	5	680
	110		1500							89,4		
	67	900		2000	193		0,1406	4,9	4,28	84,4		
	75		1000							86,5		
	49	680		1300	146		0,2433	8,7	5,77	81,2		
	55		750							84		
	40	540		1200	123		0,356	9,5	6,38	78,2		
	45		600							80,8		
	33	450		1000	103		0,476	15,2	6,1	76,5		
	37		500							78,8		