


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-200-31 27KW-132 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-200-31			Frame:		200			mm	
Power:		27-132		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:		750-3200			rpm		Duty:		S1		
Arm. current:		84-322			A		Ambient Temperature:		-20~40°C		
Field power:		1750			W		Altitude:		1000 m		
Resistance:		0,0266-0,593			Ω		Protection Degree:		IP23		
Resistance:		0,79-17,1			mH		Cooling:		IC06		
Inductance:		5,61-10,9			mH		Mounting:		IM B (On request)		
Efficiency:		77,5-92,4			%		Vibration:		2,8 mm/s		
Weight:		580			kg		Direction of Rotation:		Both		
Moment of inertia:		4,8			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										LF	Eff.	GD ²
Type	KW	r/min		r/min	A	W	(Ω (20°C))	mH	H	%	kg.m ²	Kg			
1GDC-200	32	119	2710	3200	322	1750	0,0266	0,79	10,9	91,7	4,8	580			
		132	3000							92,4					
	31	81	1350	2800	224					0,0771			2,6	5,61	88,7
		90	1500												90
	31	49,5	900	2000	141					0,1751			4,8	8,54	85,6
		55	1000												87,1
	31	40,5	670	1400	119					0,283			8,5	8,35	82,5
		45	750												84,1
	31	33	540	1200	101					0,42			12,2	8,42	79,6
		37	600												82
	31	27	450	750	84					0,593			17,1	8,4	77,5
		30	500												79,5