

VYBO Electric a.s.													
Data Sheet						No.							
Three Phase Induction Motor						Drawing No.							
Customer													
Client reference													
Type						1GDC-250-11 99KW-160 KW							
Brand						VYBO Electric							
Identification													
Type:		1GDC-250-11			Frame:		250				mm		
Power:		99-160		kW		Poles:						P	
Rated speed:	400V	900-1360		rpm	Rated Voltage:		400	-	440	V			
	/	/			Connection:								
	440V	1000-1500			Insulation Class:		H						
Speed with field weakened:		2000-2100		rpm		Duty:		S1					
Arm. current:		281-399		A		Ambient Temperature:		-20~40°C					
Field power:		2500		W		Altitude:		1000 m					
Resistance:		0,0444-0,0911		Ω		Protection Degree:		IP23					
Resistance:		1,3-2,4		mH		Cooling:		IC06					
Inductance:		4,29-4,55		mH		Mounting:		IM B (On request)					
Efficiency:		86,2-89,9		%		Vibration:		2,8 mm/s					
Weight:		890		kg		Direction of Rotation:		Both					
Moment of inertia:		8,8		kg/m²		Coupling:		Flexible					
						Terminal Box:		VYBO-CB6					
Standards						Bearing Information							
Specification:		IEC60034-1						Drive End			Commutator End		
Test:		IEC60034-2				Bearing:		6318/C3			6216/C3		
Noise:		IEC60034-9				Blower motor data							
Vibration:		IEC60034-14											
Notes / Accessories						Air volume:		3000			m3/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
		PN	400V	440V	NF	LN	PF	R	LA	LF	Eff.	GD ²	
Type		KW	r/min		r/min	A	W	(Ω (20°C))	mH	H	%	kg.m ²	Kg
1GDC-250	12	144	1360		2100	399	2500	0,0444	1,3	4,29	88,8	8,8	890
		160		1500							89,9		
	11	99	900		2000	281		0,0911	2,4	4,55	86,2		
		110		1000							88,1		