


VYBO Electric a.s.											
Data Sheet					No.						
Three Phase Induction Motor					Drawing No.						
Customer											
Client reference											
Type			1GDC-132-3 13,5KW-30 KW								
Brand			VYBO Electric								
Identification											
Type:		1GDC-132-3			Frame:		132			mm	
Power:		13,5-30		kW	Poles:					P	
Rated speed:		400V	945-2720		rpm	Rated Voltage:		400	-	440	V
		/	/			Connection:					
		440V	1050-3000			Insulation Class:		H			
Speed with field weakened:		1600-3600			rpm		Duty:		S1		
Arm. current:		40,5-75		A	Ambient Temperature:		-20~40°C				
Field power:		800		W	Altitude:		1000 m				
Resistance:		0,1905-0,976			Ω	Protection Degree:		IP23			
Resistance:		3,4-19,4			mH	Cooling:		IC06			
Inductance:		6,5-21			mH	Mounting:		IM B (On request)			
Efficiency:		79,4-88,6			%	Vibration:		2,8 mm/s			
Weight:		180			kg	Direction of Rotation:		Both			
Moment of inertia:		0,48			kg/m ²	Coupling:		Flexible			
						Terminal Box:		VYBO-CB6			
Standards					Bearing Information						
Specification:		IEC60034-1					Drive End		Commutator End		
Test:		IEC60034-2			Bearing:						
Noise:		IEC60034-9			Blower motor data						
Vibration:		IEC60034-14									
Notes / Accessories					Air volume:		360		m ³ /h		
					Static pressure:		450		Pa		
					Motor output:		0,18		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										PN	LN	PF	R	LA	LF
Type	KW	r/min		r/min	A	W	(Ω (20°C))	mH	H	%	kg.m ²	Kg						
1GDC-132-3	27	2720		3600	74,5	800	0,1905	3,4	21	88,2	0,48	180						
	30		3000	3600	75					88,6								
	18,5	1390		2100	53,2					0,531			9,8	6,6	83,6			
	18,5		1540	2200	47,6										84,7			
	13,5	945		1600	40,5										0,976	19,4	6,5	79,4
	15		1050	1600	40,5													80,5