
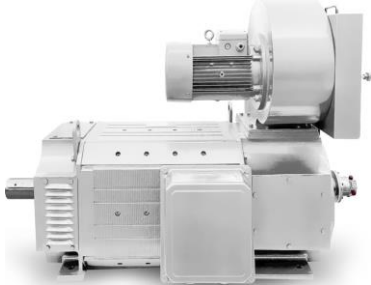



VYBO Electric a.s.								
Data Sheet				No.				
Three Phase Induction Motor				Drawing No.				
Customer								
Client reference								
Type			2GDC-112M-4 8,1kW-33kW					
Brand			VYBO Electric					
Identification								
Type:	2GDC-112M-4			Frame:	112		mm	
Power:	8,1-33		kW	Poles:	4		P	
Speed range (base speed) at armature voltage	260V	1070-3690		Rated Voltage:	260	-	500	V
	500 V	1668-2043			rpm	Connection:		
Arm. current:	25-100		A	Insulation Class:	H			
Torque:	59,5-72,2		Nm	Duty:	S1			
Resistance:	0,149-2,679		Ω	Ambient Temperature:	-20~40°C			
Inductance:	1,75-32,75		mH	Altitude:	1000 m			
Efficiency:	73,8-88,4		%	Protection Degree:	IP23			
Weight:	117		kg	Cooling:	IC06			
Moment of inertia:	0,05		kg/m <sup>2</sup>	Mounting:	IM B (On request)			
				Vibration:	2,8 mm/s			
				Direction of Rotation:	Both			
				Coupling:	Flexible			
				Terminal Box:				
				Bearing Information				
					DE		Commutator End	
				Bearing:	6308-C3		6208-2RS-C3	
				Blower motor data				
				Electric supply	F.L.C. (A)		Output (kW)	
3x380-420 V 50 Hz	0.72		0.26					
Notes / Accessories				Deviation Sheet				
				VYBO Electric		Customer		
Standards								
Specification:	IEC60034-1							
Test:	IEC60034-2							
Noise:	IEC60034-9							
Vibration:	IEC60034-14							
Edition								
Performed		Checked		Date				
Item	Changes			Performed	Checked	Date		

Cont. output	Max. electrical speed	Base speed (min-1) at armature voltage (V)					Rated armature current	Torque	Efficiency	Armature circuit	
		260	400	440	460	500				Inductance	Resistance
(kW)	(min-1)						(A)	(Nm)	(%)	(mH)	(Ohm)
8,1	1545		1160				25,0	65,2	74,8	32,75	2,679
9,1	1545			1300			25,0	65,2	76,6	32,75	2,679
9,6	1545				1375		25,0	65,2	77,7	32,75	2,679
9,1	1790		1280				27,5	66,2	76,7	27,90	2,196
10,1	1790			1435			27,5	66,2	78,3	27,90	2,196
10,7	1790				1512		27,5	66,2	79,4	27,90	2,196
12,8	1790					1668	27,5	66,2	80,8	27,90	2,196
10,0	1950		1410				30,0	66,2	77,7	23,45	1,908
11,1	1950			1575			30,0	66,1	79,3	23,45	1,908
11,7	1950				1712		30,0	66,1	80,2	23,45	1,908
13,0	1950					1837	30,0	66,1	81,6	23,45	1,908
11,1	2145		1575				33,0	66,2	79,3	19,40	1,569
12,4	2145			1760			33,0	66,1	80,7	19,40	1,569
13,1	2145				1855		33,0	66,1	81,5	19,40	1,569
14,4	2145					2043	33,0	66,1	82,8	19,40	1,569
8,1	2240	1070					39,0	70,6	73,8	15,70	1,195
13,4	2240		1790				39,0	70,5	81,1	15,70	1,195
14,9	2240			1980			39,0	70,5	82,4	15,70	1,195
15,7	2240				2090		39,0	70,4	83,1	15,70	1,195
9,3	2515	1230					44,0	70,8	76,0	12,40	0,947
15,3	2515		2030				44,0	70,6	82,6	12,40	0,947
17,0	2515			2255			44,0	70,6	83,7	12,40	0,947
17,9	2515				2373		44,0	70,6	84,4	12,40	0,947
11,1	2835	1445					51,0	71,8	78,5	9,50	0,708
18,1	2835		2355				51,0	71,6	84,2	9,50	0,708
20,0	2835			2615			51,0	71,6	85,1	9,50	0,708
13,3	3280	1720					60,0	72,2	80,5	7,00	0,526
21,4	3280		2785				60,0	72,0	85,5	7,00	0,526
23,8	3280			3085			60,0	72,0	86,8	7,00	0,526
15,8	4050	2115					70,0	70,2	82,8	4,85	0,368
25,3	4050		3390				70,0	69,9	86,9	4,85	0,368
28,1	4050			3755			70,0	69,8	87,6	4,85	0,368
19,0	5000	2705					82,0	65,5	84,7	3,10	0,251
29,9	5000		4300				82,0	65,2	87,9	3,10	0,251
33,0	5000			4755			82,0	65,1	88,4	3,10	0,251
23,5	5000	3690					100,0	59,5	86,5	1,75	0,149

Field loss (hot) = 759 W

IC06/17/37