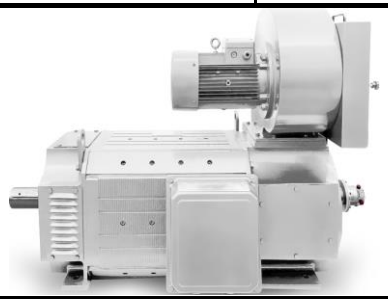
VYBO Electric a.s.

Data Sheet	No.
Three Phase Induction Motor	Drawing No.

Customer	
Client reference	
Type	2GDC-112S-4 4,7kW-21,8 kW
Brand	VYBO Electric

Identification

Type:		2GDC-112S-4		Frame:	112				mm
Power:		4,7-21,8	kW	Poles:	4				P
Speed range (base speed) at armature voltage	260V	920-3055	rpm	Rated Voltage:	260	-	500		V
	500 V	1740-2947		Connection:					
Arm. current:		19,2-70	A	Insulation Class:	H				
Torque:		42,4-51,3	Nm	Duty:	S1				
Resistance:		0,3-3,26	Ω	Ambient Temperature:	-20~40°C				
Inductance:		4-41	mH	Altitude:	1000 m				
Efficiency:		68,7-87,5	%	Protection Degree:	IP23				
Weight:		110	kg	Cooling:	IC06				
Moment of inertia:		0,037	kg/m2	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

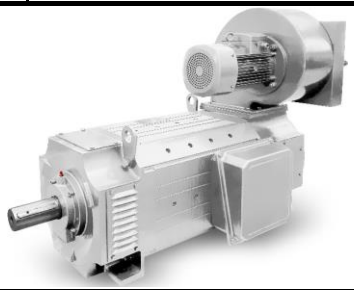
VYBO Electric	Customer

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)
6,8	1655		1325				21	47,9	74,9	40,75	3,258
7,7	1655			1485			21	47,9	76,7	40,75	3,258
8,1	1655				1571		21	47,9	77,8	40,75	3,258
8,2	1810					1740	19,2	43,8	79,9	40,75	3,258
7,2	1795		1445				22	47,1	76,6	35,80	2,776
8,8	1795			1615			22	47	78,3	35,80	2,776
8,6	1795				1708		22	47	79,3	35,80	2,776
8,7	1960					1885	20,1	43,1	81,1	35,80	2,776
4,7	1890	920					24	48	68,7	31,20	2,416
8,0	1890		1565				24	47,9	77,7	31,20	2,416
9,0	1890			1745			24	47,9	79,3	31,20	2,416
9,4	1890				1850		24	47,9	79,9	31,20	2,416
9,3	2115					2034	21,4	42,8	81,7	31,20	2,416
5,0	2105	1010					25,0	46,3	70	26,90	2,174
8,4	2105		1700				25,0	46,3	78,6	26,90	2,174
9,4	2105			1900			25,0	46,3	80	26,90	2,174
9,9	2105				2006		25,0	46,3	81	26,90	2,174
10,0	2295					2207	22,9	42,4	82,3	26,90	2,174
5,6	2435	1120					27,5	47,0	72,3	22,90	1,783
9,4	2435		1870				27,5	47,0	80,1	22,90	1,783
10,5	2435			2085			27,5	47,0	81,5	22,90	1,783
10,2	2435				2197		27,5	47,0	82,3	22,90	1,783
11,7	2515					2418	26,6	45,5	83,5	22,90	1,783
6,2	2655	1240					30,0	46,7	73,6	19,25	1,549
10,3	2655		2060				30,0	46,6	81	19,25	1,549
11,4	2655			2295			30,0	46,6	82,3	19,25	1,549
11,9	2655				2417		30,0	46,6	83,1	19,25	1,549
12,6	2760					2654	28,8	44,8	84,2	19,25	1,549
6,9	2920	1390					33,0	46,7	75,5	15,90	1,275
11,4	2920		2295				33,0	46,6	82,3	15,90	1,275
12,6	2920			2550			33,0	46,6	83,4	15,90	1,275
13,4	2920				2687		33,0	46,6	84,2	15,90	1,275
14,0	3065					2947	31,4	44,3	85,2	15,90	1,275
8,4	2975	1575					39,0	50,0	77,7	12,90	0,973
13,8	2975		2575				39,0	49,9	83,8	12,90	0,973
15,2	2975			2860			39,0	49,9	84,8	12,90	0,973
15,5	3080				3014		37,7	48,2	85,5	12,90	0,973
9,6	3425	1800					44,0	49,9	79,5	10,20	0,772
15,6	3425		2930				44,0	49,8	85,0	10,20	0,772
17,3	3425			3250			44,0	49,8	85,9	10,20	0,772
17,7	3500				3426		43,0	48,7	86,5	10,20	0,772
11,4	3855	2100					51,0	51,0	81,6	7,80	0,573
18,4	3855		3390				51,0	50,8	86,4	7,80	0,573
20,4	3855			3760			51,0	50,8	87,1	7,80	0,573
13,7	4460	2495					60,0	51,3	83,3	5,75	0,425
21,8	4460		4000				60,0	51,1	87,5	5,75	0,425
16,2	5000	3055					70,0	49,8	85,2	4,00	0,298

Field loss (hot) =644 W

IC06/17/37