




VYBO Electric a.s.								
Data Sheet				No.				
Three Phase Induction Motor				Drawing No.				
Customer								
Client reference								
Type			2GDC-315L-6 161,2kW-765kW					
Brand			VYBO Electric					
Identification								
Type:	2GDC-315L-6		Frame:	315		mm		
Power:	161,2-765 kW		Poles:	6		P		
Speed range (base speed) at armature voltage	400V	225-846	rpm	Rated Voltage:	400	-	620	
	620 V	371-1159		Connection:				
Arm. current:	500-1458		A	Insulation Class:	H			
Torque:	6080-7075		Nm	Duty:	S1			
Resistance:	0,01-0,15		Ω	Ambient Temperature:	-20~40°C			
Inductance:	0,26-2,9		mH	Altitude:	1000 m			
Efficiency:	77-93,1		%	Protection Degree:	IP23			
Weight:	2480		kg	Cooling:	IC06			
Moment of inertia:	20,50		kg/m ²	Mounting:	IM B (On request)			
				Vibration:	2,8 mm/s			
				Direction of Rotation:	Both			
				Coupling:	Flexible			
				Terminal Box:				
				Bearing Information				
					DE		Commutator End	
				Bearing:	6228-C3		6228-C3	
				Blower motor data				
Electric supply	F.L.C. (A)		Output (kW)					
3x380-420 V 50 Hz	19,17		11,28					
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	
		400	440	470	520	550	620				Inductance	Resistance
(kW)	(min-1)							(A)	(Nm)	(%)	(mH)	(Ohm)
161,2	650	225						500	6713	77,0		
181,6	650		251					500	6779	78,9		
196,9	650			271				500	6792	80,2		
221,3	650				305			500	6803	80,9	2,90	0,145
236,6	650					325		500	6812	82,7		
271,3	650						371	500	6857	84,5		
207,1	670	283						614	6841	80,9		
231,5	670		316					614	6869	82,4		
249,9	670			340				614	6894	83,4		
280,5	670				381			614	6904	84,8	1,90	0,096
299,9	670					406		614	6907	85,5		
341,7	670						462	614	6934	87,0		
360,1	1300	481						1000	7003	87,1		
399,8	1300		534					1000	7007	88,0		
430,4	1300			573				1000	7030	88,6		
479,4	1300				638			1000	7035	89,5	0,77	0,037
508,0	1310					678		996	7017	90,0		
562,0	1350						771	968	6824	91,0		
448,8	1360	596						1227	7050	88,7		
497,8	1360		660					1227	7064	89,6		
535,5	1360			708				1227	7075	90,1		
595,7	1360				788			1225	7073	90,8	0,49	0,025
623,2	1380					836		1209	6979	91,2		
680,3	1440						950	1162	6708	92,0		
542,6	1020	730						1458	6957	90,4		
599,8	1020		807					1458	6961	91,0		
684,4	1080				963			1393	6653	92,1	0,30	0,017
708,9	1100					1022		1361	6499	92,5		
759,9	1170						1159	1284	6135	93,1		
549,8	1190	846						1458	6085	91,5		
606,9	1190		934					1458	6088	92,0		
649,7	1190			1000				1458	6086	92,4	0,26	0,013
721,1	1190				1111			1458	6080	92,8		
765,0	1190					1177		1458	6085	93,0		

Field loss (hot) = 7365 W

IC06/17/37/86W