

VYBO Electric a.s.								
Data Sheet					No.			
Direct Current Electric 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 V	
	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	251	271	305	325	371	500	6713	77,0	2,90	0,145
181,6	650							500	6779	78,9		
196,9	650							500	6792	80,2		
221,3	650							500	6803	80,9		
236,6	650							500	6812	82,7		
271,3	650							500	6857	84,5		
207,1	670	283	316	340	381	406	462	614	6841	80,9	1,90	0,096
231,5	670							614	6869	82,4		
249,9	670							614	6894	83,4		
280,5	670							614	6904	84,8		
299,9	670							614	6907	85,5		
341,7	670							614	6934	87,0		
360,1	1300	481	534	573	638	678	771	1000	7003	87,1	0,77	0,037
399,8	1300							1000	7007	88,0		
430,4	1300							1000	7030	88,6		
479,4	1300							1000	7035	89,5		
508,0	1310							996	7017	90,0		
562,0	1350							968	6824	91,0		
448,8	1360	596	660	708	788	836	950	1227	7050	88,7	0,49	0,025
497,8	1360							1227	7064	89,6		
535,5	1360							1227	7075	90,1		
595,7	1360							1225	7073	90,8		
623,2	1380							1209	6979	91,2		
680,3	1440							1162	6708	92,0		
542,6	1020	730	807		963	1022	1159	1458	6957	90,4	0,30	0,017
599,8	1020							1458	6961	91,0		
684,4	1080							1393	6653	92,1		
708,9	1100							1361	6499	92,5		
759,9	1170							1284	6135	93,1		
549,8	1190	846	934	1000	1111	1177		1458	6085	91,5	0,26	0,013
606,9	1190							1458	6088	92,0		
649,7	1190							1458	6086	92,4		
721,1	1190							1458	6080	92,8		
765,0	1190							1458	6085	93,0		

Field loss (hot) = 7365 W

IC06/17/37/86W