

		D. C. MOTOR TECHNICAL SPECIFICATION		Date Our ref.	04/02/2021 0
N° 1	D. C. MOTOR type L3B 250 S-A		Code 8C25SB3A00	Series No.	
01	Output rating	357		[kW]	
02	Output rating	486		[Hp]	
03	Speed	1705		[rpm]	
04	Armature voltage	440		[V]	
05	Armature current	862		[A]	
06	Excitation voltage	340	indicative as a reference	[V]	
07	Excitation current	9,0	as a guarantee of the speed	[A]	
08	Saturated armature inductance	0,222		[mH]	
09	Type of excitation	Separated			
10	Field time constant	490		[ms]	
11	Nominal torque	2000		[Nm]	
12	Speed regulation	constant torque			
13	Supply by	totally controlled 3-phase bridge			
14	Max. form factor	1,02			
15	Mounting	IM B3			
16	Protection	IP 23S			
17	Class of insulation	H			
18	Ventilation	IC 06			
19	Blower position	set on non-drive end			
20	Terminal box position	on the left side from DE view			
21	Duty cycle	S1 continous			
22	Overloads	according CEI normes			
23	Starting-point torque	according CEI normes			
24	Type of coupling	by elastic joint			
25	Bearings	D. E. 6320 2Z C3	N. D. E. 6316 2Z C3		
26	Environmental cond.	normal			
27	Max. environment temp.	40°C			
28	Max. altitude	1000 m a. s. l.			
29	Rotation	double			
30	Moment of inertia	2,95		[kg.m²]	
31	Mass	1020		[kg]	
32	Overall drawing	VAS81.pdf			
33	Electric-fan	VBP 250 V 230/400 Hz 50 rpm 2800 kW 5,50			
34	Air filter	special for noise reduction			
35	Tachogenerator joint	standard joint Ø 11 included			
36	Encoder	not included			
37	Thermoprotectors	Termoprotectors (3 series)			
38	Colour	RAL 5010			
39	Pressure switch	PMR 20			
40	-----				
41	-----				
42	-----				
43	-----				
44	-----				
45	Brushes	No. 24 of (10 + 10) x 32 x 45 mm			
46	Resistance	(calc. 20°C)	(calc. 115 °C)		
47	Field	26,32	36,17	[Ω]	
48	Armature	0,00827	0,01137	[Ω]	
49	Auxiliaries	0,00176	0,00242	[Ω]	
50	Compensators	0,00318	0,00438	[Ω]	