

S A L A P R O V E M O T O R I										Bollettino N°28519			
Motore DOR 315 LB4		N° J03070306 Volt 690/400				Hz 50		KW 200		Isol.classe F IP55			
Amp 207,5/358		giri/m 1490		poli 4		mors.6							
Servizio S1													
P O L I 4													
P R O V A a V U O T O (coll. D Hz 50)								REGIME a VUOTO					
Volt	440	400	360	300	220	150	110	Volt	400				
Amper	104	79.5	65.7	51.4	37.5	27.1	23.3	R2stat	.01310				
K	60	60	60	60	10	10	10	R2					
Watt1	458	313	232	159	540	311	229	ta	21				
Watt2	-313	-200	-140	-81	-170	-10	50	θstat	28.5				
Wass	8700	6780	5520	4680	3700	3010	2790	θ					
Wferro	5980	4140	2920	2110	1150	476	256	θcarc	22				
cos φ	.108	.126	.141	.184	.288	.476	.669	θcusc	14				
perdite rame calcolate con R= .01234						Wmecc(f/c) 2520/							
PROVA a ROTORE BLOCCATO (coll. Y Hz 50)						Dati riportati su				RESISTENZA avvolgim.			
Volt	106	227	439	Volt	690	TARGA CARATTERISTICHE				R1stat = 0.01174 Ω			
Amper	150	320	650	Ia(A)	1449	TYPE DOR315LB4 - S.1 IP55				R1 = Ω			
K	200	200	200	In(A)	207.5	N° J03070306 CONN.Y/D				ta = 20 °C			
Watt1	62	286	1144	Ia/In	7.0	Hz 50 V 690/400 KW 200				RESISTENZA isolamen.			
Watt2	-12	-55	-199	Ma(Nm)	2667	A 207,5/358 rpm 1490				statore > 100 MΩ			
P (Kg)	3.5	17	68.5	Mn(Nm)	1270	cos.φ 0.89 Kg 1260				RIGIDITA'dielettrica			
b (m)	1.5	1.5	1.5	Ma/Mn	2.1	BRG DE NU319				statore 2 KV			
Nm	51.5	250	1010	BRG NDE 6319									
Wass	10000	46200	189000										
cos φ	.363	.364	.376										
P R O V A a F R E N O (coll. D Hz 50)								REGIME a CARICO					
Volt	400	400	400	400	400	400 *	440	360	440	400	360		
Amper	182	261	345	432	538	345	320	385	325	358	397.7		
K	100	100	100	100	100	100	100	100	100	100	100		
Watt1	724	1039	1371	1723	2144	1405	1406	1380	1389	1362	1370		
Watt2	349	567	759	911	1047	734	729	752	746	769	763		
P (Kg)						135							
b (m)	0	0	0	0	0	0.974	0	0	0	0	0		
giri/m.	1493	1490	1486	1480	1474	1486	1488	1480	1483	1478	1468		
Nm	632	964	1290	1600	1930	1290	1280	1290	1280	1290	1290		
Wresi	98831	150449	200444	247455	298406	200714	199802	200306	199208	199519	198631		
Wass	107300	160600	213000	263400	319100	213900	213500	213200	213500	213100	213300		
rend.%	92.1	93.7	94.1	93.9	93.5	93.8	93.6	94	94.1	94.5	93.9		
cos φ	.855	.891	.895	.882	.859	.879	.877	.891	.887	.901	.897		
Wass/VA	.851	.888	.891	.88	.856	.895	.875	.888	.881	.902	.895		
scorr.σ	.00467	.00667	.00933	.0133	.0173	.00933	.0080	.0133	.0113	.0147	.0213		
Wferro	4140	4140	4140	4140	4140	4140	5980	2920	5980	4140	2920		
Wmecc	2520	2520	2520	2520	2520	2520	2520	2520	2520	2520	2520		
Wcu1	819	1685	2944	4616	7159	2305	2533	3666	2442	2867	3789		
Wcu2	478	1032	1922	3395	5335	1930	1640	2755	2324	3023	4407		
Wadd	512	774	1030	1273	1539	2885	1025	1033	1025	1030	1033		
perdite rame calcolate con R= .01649						R2stat		.01610	.01644	.01731			
RILIEVO COPPIA MASSIMA (coll. D Hz 50)						R2							
Volt 200	Amp 360	P(Kg) 60	b(m) .974	giri/m. 1460		ta		25					
Volt 260	Amp 494	P(Kg) 105	b(m) .974	giri/m. 1460		θstat		97.1					
val.riport.a Volt 400 Mmax 3048 Mn 1270 Mmax/Mn 2.4						C/ore		21/7					
						θcarc		56					
						θcusc		37					
						θ							
La coppia nominale(Mn)è riferita ai giri sincroni													
La resistenza è rilevata fra due fasi (coll. D)													
* Prova con metodo diretto (Wcu1 calcolati c/ R=0.01291)													
Data 13-10-03 Firma Gandino M.													