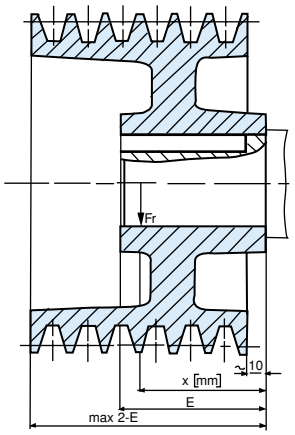
magnetic

MM 160

Pacco *Lenght*	Max potenza eccitazione *Max excitation power*	Momento di inerzia *Moment of inertia*	Dimensioni spazzole *Brushes dimensions*	Cuscinetto lato accoppiamento *Drive end bearing*		Cuscinetto lato collettore *No-drive end bearing*	Peso *Weight*
				Sfere *Balls*	Rulli *Rollers*		
	W	Kg · m^2	mm				Kg
S	900	0.2300	12.5x32x40	6312 - 2Z - C3	NU 312	6310 - 2Z - C3	235
M	1060	0.2800					265
L	1220	0.3400					295
P	1390	0.4000					330

Dati ventilazione *Ventilation*		Elettroventilatore *Electrofan*		Rumorosità *Noise*
Portata *Air flow*	Prevalenza *Pressure*	Potenza *Power*	I a 400 V *I at 400 V*	
m^3/h	mm H_2O	Kw	A	dB_A
1100	125	1.1	2.6	78

Carico radiale (daN) ammissibile per una durata teorica del cuscinetto lato accoppiamento di 20.000 ore
Admitted radial load (daN) for a theoetic 20.000 hours of the drive end bearing



	rpm	200	400	600	1000	1200	1500	2000	2500	3000	3500	4000	5000
6312 - 2Z - C3	X	Fr (daN)											
	0	1140	785	770	633	595	544	484	445	418	393	370	
	30	1090	853	738	608	572	523	465	425	402	378	356	
	60	960	818	707	582	547	500	445	406	384	362	340	
	90	700	700	684	563	530	484	430	393	372	350	320	
	110	610	610	610	545	512	470	417	380	360	330	320	
NU 312	X	Fr (daN)											
	0	1850	1700	1520	1270	1210	1127	1045	940	900	860	810	
	30	1160	1160	1160	1160	1160	1080	1000	905	860	820	780	
	60	960	960	960	960	960	960	960	867	825	790	750	
	90	700	700	700	700	700	700	700	700	700	700	700	
	110	610	610	610	610	610	610	610	610	610	610	610	

MM 160 S

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
A	2180						46.3	237	0.89	0.6	0.07
		2620					54.7	233	0.903		
B	1590						34.9	183	0.866	1.1	0.12
		1920					41.8	182	0.885		
			2490				53.2	178	0.903		
				3070			63.8	174	0.914		
C	1240						27.4	147	0.844	1.7	0.19
		1500					32.9	146	0.863		
			1960				42.5	145	0.887		
				2410			51.6	143	0.902		
					2680		56.6	142	0.908		
						3200	63.0	133	0.912		
D	1000						22.1	122	0.822	2.5	0.27
		1220					26.8	122	0.845		
			1600				34.9	121	0.873		
				1980			42.7	120	0.89		
					2200		47.1	119	0.898		
						2640	55.0	116	0.908		
E	820						18.1	104	0.788	3.4	0.39
		1010					22.1	104	0.817		
			1340				29.1	103	0.851		
				1660			35.9	103	0.873		
					1850		39.7	102	0.882		
						2230	46.6	100	0.895		
F	700						15.4	91.6	0.762	4.4	0.51
		860					18.9	91.5	0.794		
			1140				25.1	91.3	0.833		
				1430			31.2	90.9	0.858		
					1590		34.7	90.5	0.869		
						1920	41.4	89.8	0.885		
G										5.6	0.64
		740					16.4	80.9	0.775		
			1000				21.9	80.8	0.818		
				1250			27.3	80.6	0.846		
					1400		30.4	80.4	0.858		
						1690	36.4	79.8	0.876		
H										7	0.8
		650					14.2	72.4	0.752		
			880				19.2	72.4	0.8		
				1110			24.1	72.2	0.831		
					1240		26.8	72.1	0.844		
						1500	32.3	71.7	0.865		
I										8.4	1
			770				16.9	66.4	0.778		
				980			21.5	66.3	0.809		
					1100		24.1	66.3	0.825		
						1340	29.1	66	0.847		

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
J										10	1.3
			680				14.6	60.1	0.738		
				870			18.7	60	0.78		
					980		21.1	60	0.798		
						1190	25.7	59.9	0.826		
K										11.7	1.5
				790			17.2	56.1	0.765		
					890		19.4	56.1	0.785		
						1090	23.7	56	0.815		
L										13.6	1.7
				720			15.5	51.1	0.759		
					820		17.5	51	0.779		
						1000	21.5	51	0.809		
M										15.6	2
				650			14.2	48.1	0.736		
					740		16.0	48.1	0.758		
						920	19.8	48	0.792		
N										17.8	2.3
					680		14.8	45.3	0.74		
						840	18.3	45.3	0.777		
O										20.1	2.6
						780	16.6	41.6	0.769		

MM 160 M

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
A	1700						45.8	236	0.882	0.8	0.08
		2040					54.5	234	0.896		
			2640				69.0	229	0.911		
				3240			82.3	223	0.921		
B	1230						34.2	181	0.854	1.4	0.14
		1490					41.0	181	0.873		
			1940				52.8	179	0.895		
				2390			64.1	176	0.908		
					2640		70.3	175	0.913		
						3150	75.7	159	0.917		
C	950						26.6	145	0.829	2.2	0.21
		1160					32.3	145	0.855		
			1520				41.9	144	0.88		
				1880			51.3	143	0.897		
					2090		56.6	142	0.904		
						2500	63.6	135	0.907		
D	770						21.4	121	0.804	3.2	0.31
		940					26.0	120	0.83		
			1240				34.1	120	0.861		
				1540			42.1	119	0.881		
					1710		46.5	119	0.890		
						2050	54.8	117	0.902		
E										4.4	0.44
		780					21.4	102	0.8		
			1030				28.3	102	0.838		
				1290			35.2	102	0.862		
					1440		39.1	102	0.873		
						1730	46.0	100	0.886		
F										5.7	0.58
		660					18.2	90.3	0.773		
			880				24.4	90.2	0.817		
				1110			30.5	90	0.845		
					1230		33.9	89.8	0.857		
						1490	40.7	89.3	0.875		
G										7.2	0.73
			770				21.1	79.8	0.799		
				970			26.5	79.7	0.831		
					1080		29.6	79.6	0.844		
						1310	35.7	79.3	0.865		
H										8.8	0.91
			670				18.4	71.4	0.779		
				850			23.3	71.3	0.814		
					950		26.0	71.3	0.829		
						1160	31.5	71.1	0.852		
I										10.7	1.2
				740			20.4	65.5	0.78		
					840		23.0	65.4	0.798		
						1020	28.1	65.3	0.826		

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
J										12.7	1.5
				660			17.9	59.2	0.755		
					740		20.2	59.2	0.775		
						910	24.8	59.2	0.806		
K										15	1.7
					680		18.6	55.3	0.764		
						830	22.9	55.3	0.797		
L										17.3	2
						760	20.5	50.3	0.784		
M										19.9	2.3
						700	18.9	47.4	0.768		

I dati riportati fanno riferimento a motori:

- con ventilazione assistita addossata PVA
- in servizio continuo CEI S1
- con alimentazione con fattore di forma = 1
- con temperatura massima ambiente 40 °C
- con altitudine s.l.m. max 1000 m.

MM 160 L

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
A	1330						44.7	232	0.873	1	0.092
		1600					53.5	231	0.889		
			2070				68.4	229	0.906		
				2550			82.7	225	0.917		
					2820		90.6	223	0.922		
B	960						32.9	178	0.841	1.8	0.16
		1160					39.9	177	0.863		
			1520				51.7	177	0.887		
				1870			63.3	175	0.902		
					2080		69.8	174	0.909		
						2480	76.0	160	0.914		
C	740						25.5	142	0.814	2.8	0.25
		900					30.9	142	0.837		
			1190				40.6	142	0.867		
				1470			50.1	141	0.886		
					1630		55.4	141	0.894		
						1960	62.9	134	0.903		
D										4	0.35
		730					25.0	117	0.817		
			970				33.0	117	0.851		
				1210			41.0	117	0.873		
					1340		45.5	117	0.882		
						1610	53.7	116	0.894		
E										5.5	0.51
			800				27.2	99.9	0.822		
				1000			34.0	99.8	0.849		
					1120		37.8	99.8	0.861		
						1350	44.9	98.5	0.876		
F										7.2	0.66
			680				23.3	88	0.801		
				860			29.3	87.9	0.832		
					960		32.8	87.9	0.846		
						1170	39.6	87.8	0.866		
G										9	0.84
				750			25.4	77.7	0.815		
					840		28.4	77.7	0.83		
						1020	34.5	77.7	0.852		
H										11.2	1.1
				650			21.9	69.5	0.787		
					730		24.7	69.5	0.805		
						900	30.1	69.5	0.831		
I										13.5	1.4
						790	26.7	63.8	0.807		

	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
K										16.1	1.7
						710	23.7	57.7	0.79		

The data shown refer to motors:

- with assisted leaning ventilation PVA
- in continuous service CEI S1
- with form factor = 1
- with maximum room temperature 40 °C
- with maximum height above sea level 1000 m.

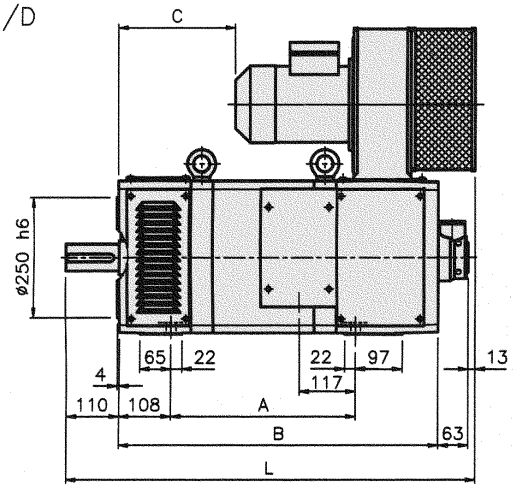
MM 160 P

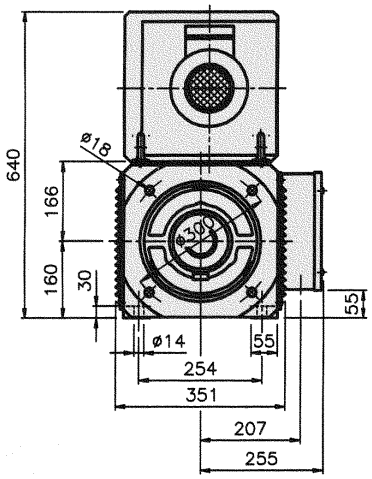
	VELOCITÀ [rpm] ALLE TENSIONI						P [kw]	I [A]	η [%]	ARMATURA	
	220 V	260 V	330 V	400 V	440 V	520V				L [mH]	$R_{115°}$[Ω]
A	1090						43.0	226	0.863	1.2	0.1
		1320					51.8	226	0.883		
			1710				66.8	224	0.903		
				2100			81.3	222	0.915		
					2330		89.3	221	0.92		
B	780						31.5	173	0.828	2.2	0,18
		950					38.3	173	0.853		
			1250				50.0	172	0.879		
				1540			61.5	171	0.895		
					1710		68.0	171	0.903		
						2040	74.5	157	0.910		
C										3.4	0.28
		740					29.6	138	0.825		
			970				39.0	138	0.857		
				1210			48.4	138	0.878		
					1340		53.7	137	0.887		
						1610	61.2	131	0.896		
D										4.8	0.4
			790				31.6	114	0.837		
				990			39.3	114	0.861		
					1100		43.8	114	0.872		
						1320	52.1	113	0.887		
E										6.6	0.58
			650				25.8	97.1	0.805		
				820			32.5	97.1	0.835		
					920		36.3	97	0.848		
						1110	43.2	95.9	0.868		
F										8.6	0.75
				700			28.0	85.5	0.817		
					780		31.3	85.5	0.831		
						950	38.0	85.4	0.854		
G										10.9	0.96
					680		27.1	75.5	0.813		
						830	33.0	75.5	0.838		
H										13.5	1.2
						730	28.9	67.6	0.822		

Dimensioni d'ingombro

Overall dimensions

2249/D





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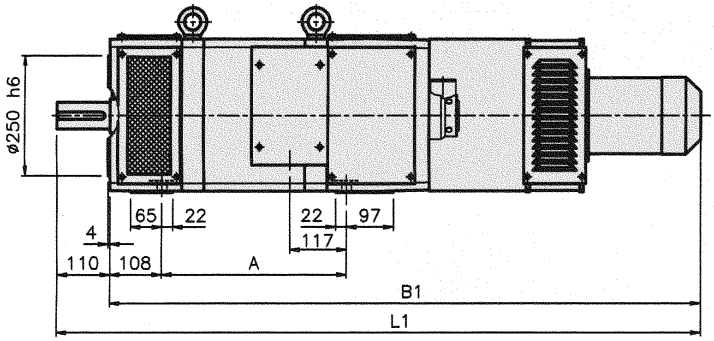
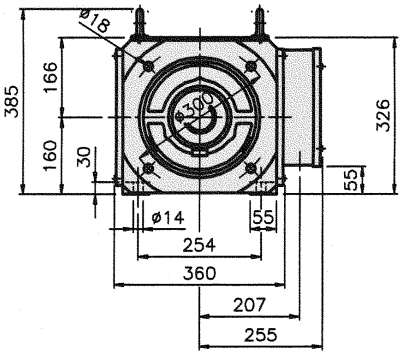
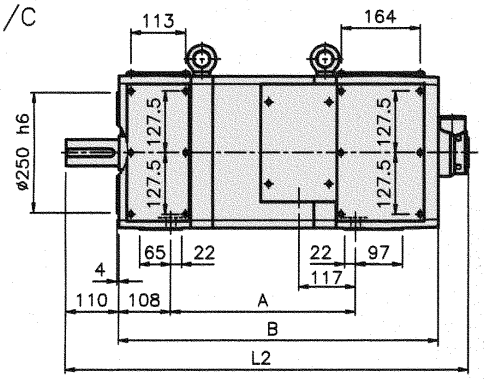
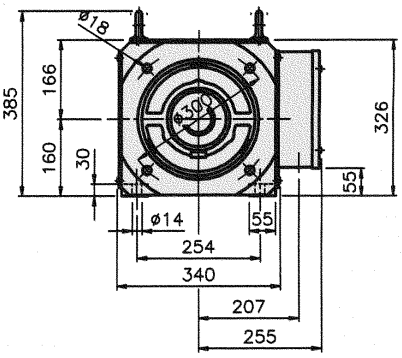




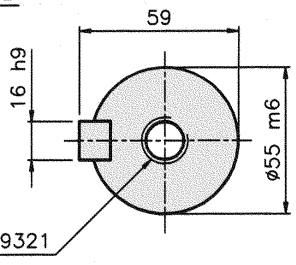
2251/C





Tipo *Type*		Ingombri massimi / *Max overall*						
		A	B	B1	C	L	L1	L2
MM 160	S	338	618	1181	197	804	1291	791
	M	383	663	1226	242	849	1336	836
	L	438	718	1281	297	904	1391	891
	P	493	773	1336	352	959	1446	946

ESTREMITA' ASSE



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