



Manufacturer's Statement for L510s series

L510s efficiency according to IEC/EN 61800-9-2

Drive models: L510s series, please refer to the table below for the model list

Efficiency class: IE2

Nominal voltage: Please refer to the tabel below

Nominal frequency: 50Hz

Nominal power: Please refer to the tabel below

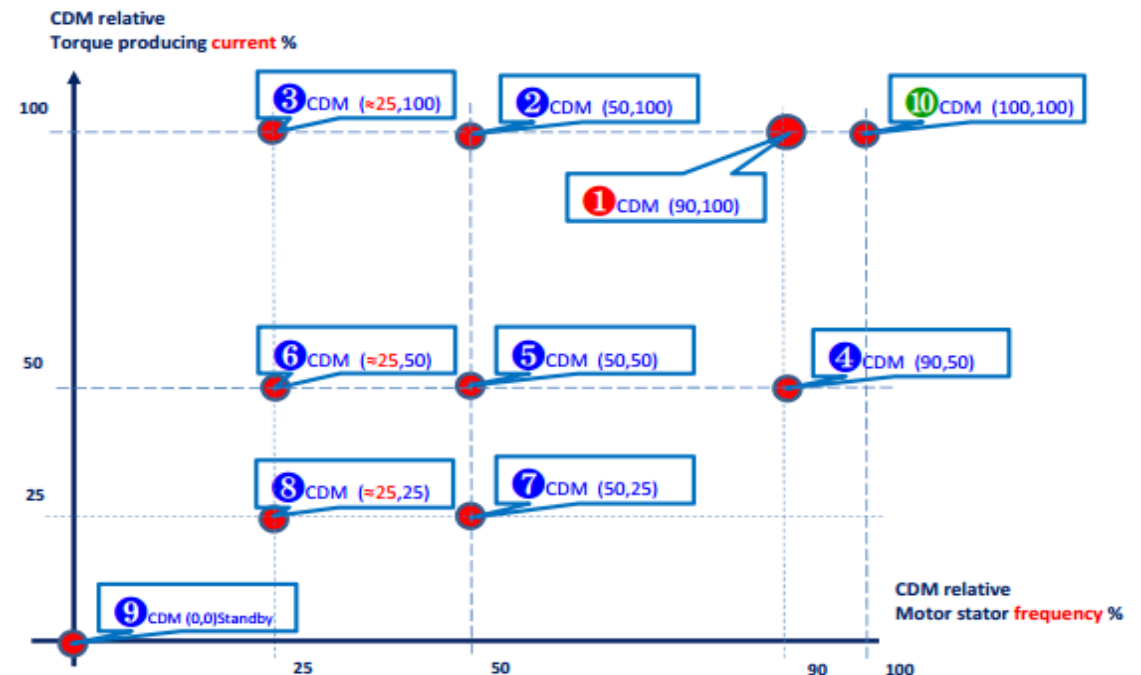
Motor control: V/f, vector

Nominal current: Please refer to the table below

Nominal apparent power: Please refer to the table below

Maximum operating temperature: 50°C for frame 2~4,
40°C for frame 1

CDM losses and efficiency (calculated with default
settings) point: As the picture right



Manufacturer: TECO Electric & Machinery CO., LTD. — 10F, No.3-1, Park St., Nan-Kang, Taipei, 115603, Taiwan

EU contact: MOTOVARIO S.p.A — Via Quattro Passi 1/3 — 41043 — Formigine (MO) — ITALY. MOTOVARIO EORI number: IT02569681204

CDM losses and efficiency table

						⑨	⑧			⑥		③		⑦		⑤		②		④		①		⑩		
Frame	Model	Nominal voltage (V)	Nominal current (A)	Nominal power (kW)	Nominal apparent power (KVA)	CDM STANDBY LOSS	CDM (25,25) or (*12Hz,25)			CDM(25;50) or (*12Hz,50)		CDM(25; 100) or (*12Hz,100)		CDM (50,25)		CDM (50,50)		CDM (50,100)		CDM (90,50)		CDM (90,100)		CDM (100,100)		
110V 1phase						p Loss(W)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)	p Loss(W)	η(%)
1	L510-1P2-SH1-X	110	1.8	0.2	0.7	8.0	14	60.7	15	69.9	17	78.1	15	75.5	16	81.9	19	86.9	18	87.5	24	90.3	26	90.6		
1	L510-1P5-SH1-X	110	2.6	0.4	1.0	8.0	19	62.9	19	71.7	23	78.9	20	76.9	21	82.9	27	87.1	26	87.8	36	89.9	40	90.2		
2	L510-101-SH1-X	110	4.3	0.75	1.7	11.0	24	64.6	28	75.2	37	80.7	25	78.3	31	85.1	44	88.0	38	89.2	63	90.2	69	90.3		
220V 1phase																										
1	L510-2P2-SH1(F)-X	220	1.8	0.2	0.7	8.0	15	74.6	15	81.6	18	87.2	15	85.6	16	89.8	19	93.0	18	93.6	28	94.1	23	95.6		
1	L510-2P5-SH1(F)-X	220	2.6	0.4	1.0	8.0	20	76.3	20	82.8	24	87.7	21	86.6	21	90.5	26	93.2	24	93.9	32	95.3	34	95.6		
1	L510-201-SH1(F)-X	220	4.3	0.75	1.7	8.0	23	79.4	27	86.3	36	89.5	23	88.5	28	92.5	41	94.1	33	95.0	51	95.8	55	96.0		
2	L510-202-SH1(F)-X	220	7.5	1.5	3.0	11.0	35	81.2	42	87.5	58	90.3	36	89.6	45	93.1	66	94.4	53	95.3	102	95.2	93	96.1		
2	L510-203-SH1(F)-X	220	10.5	2.2	4.0	11.0	50	80.9	61	87.1	86	89.8	52	89.4	66	92.8	99	94.1	80	95.0	152	94.9	144	95.6		
440V 3phase																										
2	L510-401-SH3(F)-X	380	2.3	0.75	1.7	13.9	25	76.4	27	84.9	34	89.5	25	87.0	28	92.0	35	94.5	29	95.3	37	96.7	37	97.0		
2	L510-402-SH3(F)-X	380	3.8	1.5	2.9	13.9	33	80.0	38	87.0	50	90.5	34	89.2	39	93.2	52	95.0	41	95.9	66	96.4	56	97.2		
2	L510-403-SH3(F)-X	380	5.2	2.2	4.0	13.9	36	83.3	42	89.2	57	92.0	37	91.1	44	94.4	59	95.8	46	96.6	64	97.4	65	97.6		
3	L510-405-SH3(F)	380	9.2	3.7	7.0	16.9	58	84.6	70	89.9	96	92.3	60	91.8	72	94.7	100	96.0	76	96.8	108	97.5	111	97.7		
3	L510-408-SH3(F)	380	13	5.5	9.9	16.9	60	88.4	77	92.0	125	93.3	62	93.9	81	95.8	137	96.4	91	97.3	165	97.5	174	97.7		
4	L510-410-SH3(F)	380	17.5	7.5	13.3	25.9	94	86.6	121	90.7	198	92.2	97	92.9	128	95.1	216	95.8	142	96.9	258	97.2	271	97.3		
4	L510-415-SH3(F)	380	24	11	18.3	25.9	120	87.5	157	91.2	265	92.4	124	93.37	166	95.3	291	95.8	188	97.0	359	97.1	382	97.2		
220V 3phase																										
1	L510-2P2-SH3-X	220	1.8	0.2	0.7	8.0	15	74.7	15	81.6	17	87.3	15	86	16	90.0	18	93.2	17	93.9	20	95.8	20	96.1		
1	L510-2P5-SH3-X	220	2.6	0.4	1.0	8.0	20	76.4	20	82.9	24	87.8	20	87	21	90.7	25	93.5	22	94.3	28	95.9	29	96.2		
1	L510-201-SH3-X	220	4.3	0.75	1.7	8.0	22	79.4	26	86.4	36	89.6	23	89	28	92.7	39	94.4	30	95.4	44	96.4	46	96.6		
2	L510-202-SH3-X	220	7.5	1.5	3.0	11.0	35	81.3	41	87.6	57	90.4	36	90	44	93.3	62	94.8	48	95.8	73	96.5	77	96.7		
2	L510-203-SH3-X	220	10.5	2.2	4.0	11.0	50	81.0	60	87.2	84	90.0	51	90	63	93.1	92	94.5	70	95.6	109	96.3	114	96.5		
3	L510-205-SH3	220	17.5	3.7	6.7	11.9	58	85.9	70	90.6	100	92.7	60	92	75	95.0	110	96.0	84	96.8	128	97.4	134	97.5		
4	L510-208-SH3	220	26	5.5	9.9	23.0	78	87.1	100	91.0	164	92.5	81	93	107	95.2	183	95.8	123	96.9	231	97.0	246	97.2		
4	L510-210-SH3	220	35	7.5	13.3	23.0	104	87.2	137	90.9	235	92.1	108	93	146	95.1	261	95.6	169	96.8	310	97.1	348	97.0		