

**TECHNICAL PARAMETERS
MILL DUTY DC MOTORS
FRAME: KMDC 802 – 818**

FRAME	ARM REF	AIR Qty L/S	Base Speed			Power KW At			Rated Torque (nM)	Rated Current (amps)	Max. Torque (nM)	Max. Current (amps)	Max. Volt. (V)	Max. Speed (RPM)	Arm. Ckt. LmH R ohms @ 115deg	Excn. Supply Kw Approx.	Inertia (GD ²)	Mech. Time Constant
802	1	75	900	1630	1885	7.5	13.5	15.5	79	39.0	240	136	500		9.2 / 474		1.2	118
		112				8.0	15.5	17.5	90	44.0								
		150				8.5	16.5	19.0	96	47.0								
	2	75	405	700	900	3.4	6.0	7.6	78	18.8	235	66	500	3600	37 / 1743	0.25	1.2	54
		112				3.9	7.0	8.5	90	21.5								
		150				4.3	7.5	9.0	96	23.7								
	3	75	160	340	405	1.3	2.8	3.3	78	9.5	235	33	500		186 / 9080		1.2	21.4
		112				1.4	3.1	3.7	90	10.2								
		150				1.4	3.1	3.7	90	10.2								
803	1	95	800	1440	1670	11.0	20.0	23.0	131	55.0	395	192	500		7.2 / 370		2.1	111
		142				12.5	23.0	26.5	151	62.5								
		190				13.5	25.0	28.5	162	67.5								
	2	95	365	685	800	5.0	9.5	11.0	131	27.0	395	94	500	3300	29 / 1129	0.3	2.1	51
		142				5.8	11.0	12.5	151	31.5								
		190				6.3	11.5	13.5	162	34.5								
	3	95	145	305	360	2.0	4.2	5.0	131	14.5	395	51	500		116 / 4840		2.1	20
		142				2.2	4.7	5.6	151	16.0								
		190				2.3	5.0	6.0	165	17.0								
804	1	118	725	1305	1510	15.0	27.0	31.0	197	72.0	590	252	500		4.9 / 192		3.1	100
		177				17.0	31.0	35.5	225	82.0								
		236				18.5	33.5	38.5	244	89.0								
	2	118	330	620	725	7.0	13.0	15.0	200	37.5	600	131	600	3000	23.2 / 839	0.6	3.1	45
		177				8.0	15.0	17.0	228	43.0								
		236				8.5	16.0	18.5	245	46.0								
	3	118	135	280	330	3.0	6.0	7.5	211	21.0	630	108	600		109 / 3910		3.1	17.0
		177				3.3	6.5	8.5	241	23.0								
		236				3.4	7.0	9.0	259	24.0								

806	1	158 237 316	650	1170	1355	22.0 25.0 27.5	40.0 46.0 50.0	46.0 53.0 57.5	324 373 405	111 126 138	970	385	700		5.6 / 133		5.5	96.0
	2	158 237 316	300	560	650	10.0 11.5 12.5	19.0 22.0 24.0	22.0 25.0 27.5	322 370 404	54 62 68	965	190	700	2600	23 / 591	0.8	5.5	44.5
	3	158 237 316	125 119 115	258 252 248	305 299 295	4.0 4.5 4.8	8.7 10.0 11.5	10.3 11.5 12.5	317 369 402	28 31 33	950	100	700		90.8 / 2248		5.5	19.0
808	1	200 300 400	575	1030	1195	37.0 42.5 46.7	66.0 76.0 83.0	76.4 88.0 96.0	612 706 767	184 210 227	1835	640	700		4.2 / 90		11.1	91
	2	200 300 400	265	495	575	17.0 19.5 21.0	32.0 37.0 40.0	37.0 42.0 46.0	614 705 764	89 102 109	1840	310	700	2300	17.8 / 317	1.0	11.1	42
	3	200 300 400	115 110 107	234 229 226	275 270 267	7.5 8.0 8.5	15.0 17.0 22.0	18.0 20.0 22.0	620 704 769	50 53 56	1860	175	700		71.6 / 1491		11.1	18
810	1	250 375 500	550	990	1140	52.0 60.0 65.0	93.0 107.0 116.0	108.0 124.0 135.0	902 1038 1126	251 289 313	2700	880	650		4.0 / 56		16.5	88
	2	250 375 500	255	475	550	24.0 27.5 30.0	45.0 52.0 56.0	52.0 60.0 65.0	902 1038 1126	124 142 154	2700	435	650	2200	16.0 / 224	1.2	16.5	41
	3	250 375 500	110 106 103	220 216 213	260 256 253	10.8 11.5 12.0	21.0 24.0 25.0	25.0 28.0 30.0	913 1047 1122	67 73 76	2740	235	650		65.0 / 896		16.5	17

812	1	355 527 710	515	925	1070	75.0 86.0 94.0	135.0 155.0 169.0	156.0 179.0 195.0	1392 1597 1742	366 419 457	4100	1280	700		2.4 / 32	1.4	23.8	77.0
	2	355 527 710	240	445	515	35.0 40.0 44.0	65.0 75.0 81.0	75.0 86.0 91.0	1392 1598 1725	180 205 225	4180	630	700	1900	9.7 / 136	1.4	23.8	36.0
	3	355 527 710	110 106 103	220 216 213	260 256 253	16.0 16.0 19.0	32.0 36.0 39.0	38.0 43.0 48.0	1391 1605 1774	100 112 118	4170	350	700		39.0 / 571		23.8	16.5
814	1	425 640 850	500	900	1045	112.0 129.0 140.0	202.0 232.0 253.0	234.0 269.0 293.0	2140 2461 2678	550 630 682	6420	1760	700		0.6 / 20		34.3	76.0
	2	425 640 850	230	430	500	52.0 60.0 65.0	96.0 110.0 120.0	112.0 129.0 140.0	2143 2465 2679	270 310 335	6430	865	700	1700	2.5 / 109	1.5	34.3	35.0
	3	425 640 850	105 101 98	213 209 206	251 247 244	24.0 26.5 28.0	48.0 54.0 58.0	57.0 65.0 70.0	2167 2495 2718	149 164 173	6500	475	700		7.5 / 413		34.3	15.5
816	1	570 850 1140	480	865	1000	150.0 172.0 187.0	270.0 310.0 337.0	311.0 358.0 389.0	2978 3420 3718	724 830 900	8930	2320	700		0.47 / 13		50.5	87.0
	2	570 850 1140	222	413	480	69.0 79.0 86.0	129.0 148.0 161.0	150.0 172.0 187.0	2978 3414 3714	357 408 444	8930	1140	700	1600	1.9 / 68	1.7	50.5	40.0
	3	570 850 1140	97 93 91	194 190 188	228 224 222	30.0 33.0 35.0	60.0 67.0 72.0	71.0 80.0 86.0	2960 3389 3676	183 204 219	8880	585	700		7.8 / 340		50.5	18.0

	1	750 1130 1510	435	780	905	187.0 215.0 234.0	335.0 385.0 419.0	389.0 447.0 486.0	4103 4716 5131	900 1030 1120	12310	2880	700		0.32 / 10		89.6	94
818	2	750 1130 1510	201	374	435	87.0 100.0 107.0	161.0 185.0 201.0	187.0 215.0 234.0	4116 4731 5117	445 511 545	12350	1420	700	1500	1.2 / 50	1.8	89.6	43
	3	750 1130 1510	90 87 84	180 177 174	212 209 206	39.0 43.0 46.0	78.0 88.0 94.0	92.0 104.0 111.0	4140 4739 5150	230 253 270	12420	740	700		4.7 / 240		89.6	19

NOTE: For rating's other than those mentioned above, please send in your enquiries to the Unit Marketing

