

Technical Note

Motors

Servo Motor Data

$V_{max} = 400V$

rpm	Frame Size	T_{stall} (lb-in)		I_{stall} (A)		I_{max} (A)
		Standard	w/ VY option	Standard	w/ VY option	
2000	DFY71S	22.1	35.4	1.25	2.0	3.75
	DFY71M	32.7	52.3	1.80	2.9	5.40
	DFY71ML	44.3	70.9	2.5	4.0	7.50
	DFY71L	66.4	106.2	3.7	5.9	11.1
	DFY90S	79.7	127.5	4.0	6.4	12.0
	DFY90M	106.2	169.9	5.3	8.5	15.9
	DFY90L	159.3	254.9	8.0	12.8	24.0
	DFY112S	106.2	169.9	5.5	8.8	16.5
	DFY112M	154.9	247.8	8.0	12.8	24.0
	DFY112ML	212.4	339.8	11.0	17.6	33.0
DFY112L	309.8	495.7	16.0	25.6	48.0	
3000	DFY71S	22.1	35.4	1.85	3.0	5.55
	DFY71M	32.7	52.3	2.7	4.3	8.10
	DFY71ML	44.3	70.9	3.8	6.1	11.4
	DFY71L	66.4	106.2	5.5	8.8	16.5
	DFY90S	79.7	127.5	5.9	9.4	17.7
	DFY90M	106.2	169.9	7.9	12.6	23.7
	DFY90L	159.3	254.9	12.0	19.2	36.0
	DFY112S	106.2	169.9	8.0	12.8	24.0
	DFY112M	154.9	247.8	12.0	19.2	36.0
	DFY112ML	212.4	339.8	16.5	26.4	49.5
DFY112L	309.8	495.7	24.0	38.4	72.0	
4000	DFY71S	22.1	35.4	2.8	4.5	8.4
	DFY71M	32.7	52.3	4.7	7.5	14.1
	DFY71ML	44.3	70.9	5.8	9.3	17.4
	DFY71L	66.4	106.2	8.2	13.1	24.6
	DFY90S	79.7	127.5	9.0	14.4	27.0
	DFY90M	106.2	169.9	11.6	18.6	34.8
	DFY90L	159.3	254.9	18.0	28.8	54.0
	DFY112S	106.2	169.9	11.7	18.7	35.1
	DFY112M	154.9	247.8	18.0	28.8	54.0
	DFY112ML	212.4	339.8	24.5	39.2	73.5
DFY112L	309.8	495.7	36.5	58.4	109.5	

Technical Note

$$V_{\max} = 220V$$

rpm	Frame Size	T _{stall} (lb-in)		I _{stall} (A)		I _{max} (A)
		Standard	w/ VY option	Standard	w/ VY option	
1200	DFY71M	32.7	52.3	2.1	3.4	6.3
	DFY71ML	44.3	70.9	3.0	4.8	9.0
	DFY71L	66.4	106.2	4.3	6.9	12.9
	DFY90S	79.7	127.5	4.8	7.7	14.4
	DFY90M	106.2	169.9	6.4	10.2	19.2
	DFY90L	159.3	254.9	9.8	15.7	29.4
	DFY112M	154.9	247.8	11.0	17.6	33.0
	DFY112ML	212.4	339.8	14.5	23.2	43.5
	DFY112L	309.8	495.7	22.0	35.2	66.0
2000	DFY71S	22.1	35.4	2.2	3.5	6.6
	DFY71M	32.7	52.3	3.2	5.1	9.6
	DFY71ML	44.3	70.9	4.4	7.0	13.2
	DFY71L	66.4	106.2	6.5	10.4	19.5
	DFY90S	79.7	127.5	7.2	11.5	21.6
	DFY90M	106.2	169.9	9.5	15.2	28.5
	DFY90L	159.3	254.9	14.5	23.2	43.5
	DFY112M	154.9	247.8	17.0	27.2	51.0
	DFY112ML	212.4	339.8	22.0	35.2	66.0
DFY112L	309.8	495.7	33.0	52.8	99.0	
3000	DFY71S	22.1	35.4	3.3	5.3	9.9
	DFY71M	32.7	52.3	4.8	7.7	14.4
	DFY71ML	44.3	70.9	6.6	10.6	19.8
	DFY71L	66.4	106.2	9.7	15.5	29.1
	DFY90S	79.7	127.5	10.4	16.6	31.2
	DFY90M	106.2	169.9	13.8	22.1	41.4
	DFY90L	159.3	254.9	21.0	33.6	63.0
	DFY112M	154.9	247.8	25.0	40.0	75.0
	DFY112ML	212.4	339.8	33.0	52.8	99.0
DFY112L	309.8	495.7	49.0	78.4	147.0	