


MDR Brushless DC Motor standard type PM605FE

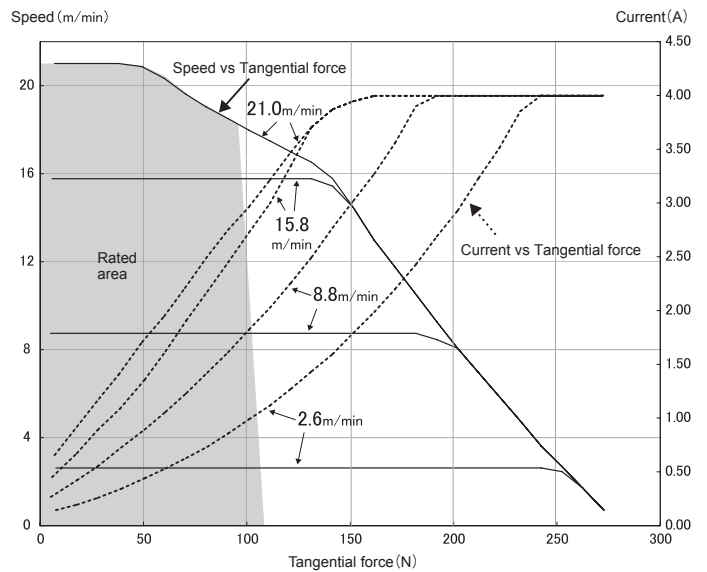
Roller diameter $\varnothing 60.5$

 [MDR Selection Tool] is available on our web page.

Operating characteristics with CB-016N6 driver card

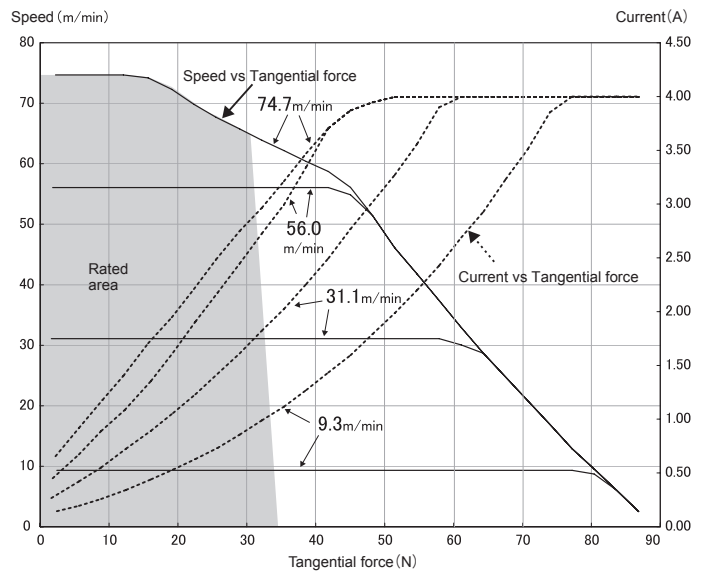
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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
21.0	18.2	96		0.8		45	67	9	9.6~9.9	276
19.3	18.2	96		0.7		45	67	8	9.1~9.4	
18.4	18.2	96		0.7		45	67	7	8.6~8.9	
17.5	17.5	96		0.6		43	67	6	8.1~8.4	
16.6	16.6	97		0.6		41	65	5	7.6~7.9	
15.8	15.8	97		0.6		39	64	4	7.1~7.4	
14.0	14.0	99		0.5		35	60	3	6.6~6.9	
13.1	13.1	99		0.5		32	56	2	6.1~6.4	
12.3	12.3	100		0.5		30	53	1	5.6~5.9	
11.4	11.4	100		0.5		28	52	0	5.1~5.4	
10.5	10.5	101		0.4		26	50	9	4.6~4.9	4.0
9.6	9.6	102		0.4		24	48	8	4.1~4.4	
8.8	8.8	102		0.4		22	44	7	3.6~3.9	
7.9	7.9	103		0.4		20	41	6	3.1~3.4	
7.0	7.0	103		0.3		17	38	5	2.6~2.9	
6.1	6.1	104		0.3		15	37	4	2.1~2.4	
5.3	5.3	105		0.3		13	34	3	1.6~1.9	
4.4	4.4	105		0.2		11	31	2	1.1~1.4	
3.5	3.5	106		0.2		9	28	1	0.6~0.9	
2.6	2.6	106		0.2		7	25	0	0.1~0.4	



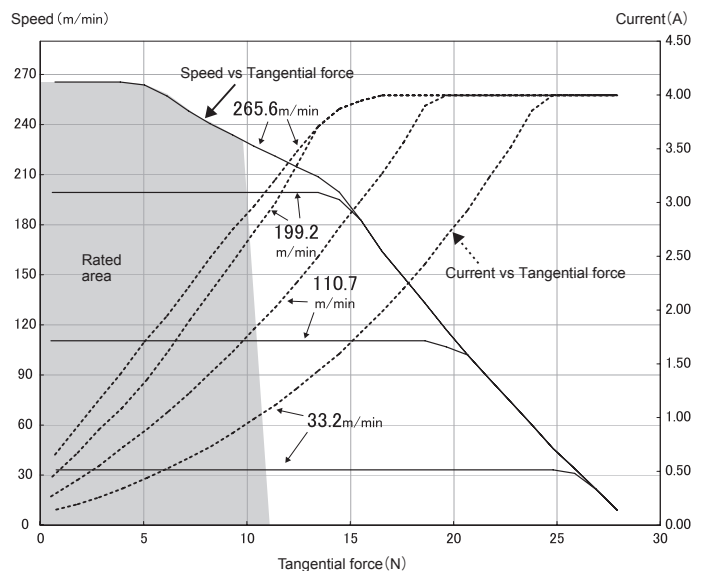
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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
74.7	64.7	31		0.8		45	67	9	9.6~9.9	88
68.5	64.7	31		0.7		45	67	8	9.1~9.4	
65.4	64.7	31		0.7		45	67	7	8.6~8.9	
62.2	62.2	31		0.6		43	67	6	8.1~8.4	
59.1	59.1	31		0.6		41	65	5	7.6~7.9	
56.0	56.0	31		0.6		39	64	4	7.1~7.4	
49.8	49.8	31		0.5		35	60	3	6.6~6.9	
46.7	46.7	32		0.5		32	56	2	6.1~6.4	
43.6	43.6	32		0.5		30	53	1	5.6~5.9	
40.5	40.5	32		0.4		28	52	0	5.1~5.4	
37.3	37.3	32		0.4		26	50	9	4.6~4.9	4.0
34.2	34.2	32		0.4		24	48	8	4.1~4.4	
31.1	31.1	33		0.4		22	44	7	3.6~3.9	
28.0	28.0	33		0.4		20	41	6	3.1~3.4	
24.9	24.9	33		0.3		17	38	5	2.6~2.9	
21.8	21.8	33		0.3		15	37	4	2.1~2.4	
18.7	18.7	33		0.3		13	34	3	1.6~1.9	
15.6	15.6	34		0.2		11	31	2	1.1~1.4	
12.4	12.4	34		0.2		9	28	1	0.6~0.9	
9.3	9.3	34		0.2		7	25	0	0.1~0.4	




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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
265.6	230.2	10		0.8		45	67	9	9.6~9.9	28
243.4	230.2	10		0.7		45	67	8	9.1~9.4	
232.4	230.2	10		0.7		45	67	7	8.6~8.9	
221.3	221.3	10		0.6		43	67	6	8.1~8.4	
210.2	210.2	10		0.6		41	65	5	7.6~7.9	
199.2	199.2	10		0.6		39	64	4	7.1~7.4	
177.0	177.0	10		0.5		35	60	3	6.6~6.9	
166.0	166.0	10		0.5		32	56	2	6.1~6.4	
154.9	154.9	10		0.5		30	53	1	5.6~5.9	
143.9	143.9	10		0.5		28	52	0	5.1~5.4	
132.8	132.8	10		0.4		26	50	9	4.6~4.9	4.0
121.7	121.7	10		0.4		24	48	8	4.1~4.4	
110.7	110.7	10		0.4		22	44	7	3.6~3.9	
99.6	99.6	10		0.4		20	41	6	3.1~3.4	
88.5	88.5	11		0.3		17	38	5	2.6~2.9	
77.5	77.5	11		0.3		15	37	4	2.1~2.4	
66.4	66.4	11		0.3		13	34	3	1.6~1.9	
55.3	55.3	11		0.2		11	31	2	1.1~1.4	
44.3	44.3	11		0.2		9	28	1	0.6~0.9	
33.2	33.2	11		0.2		7	25	0	0.1~0.4	



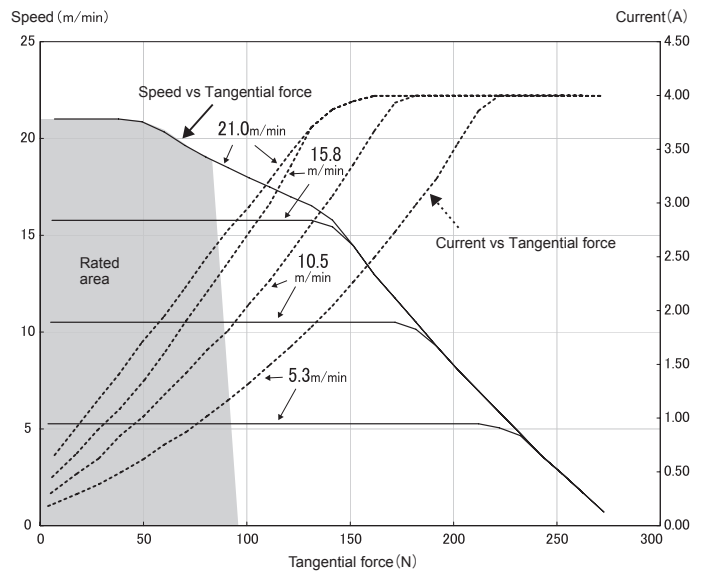
*The values in the characteristics list are only for your reference and not the warranted values. The values represent the characteristics of a single standard motor roller (no linked operation) without including other specifications, and the values may change when including other specifications or with linked operation.

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Operating characteristics with HB-510N driver card

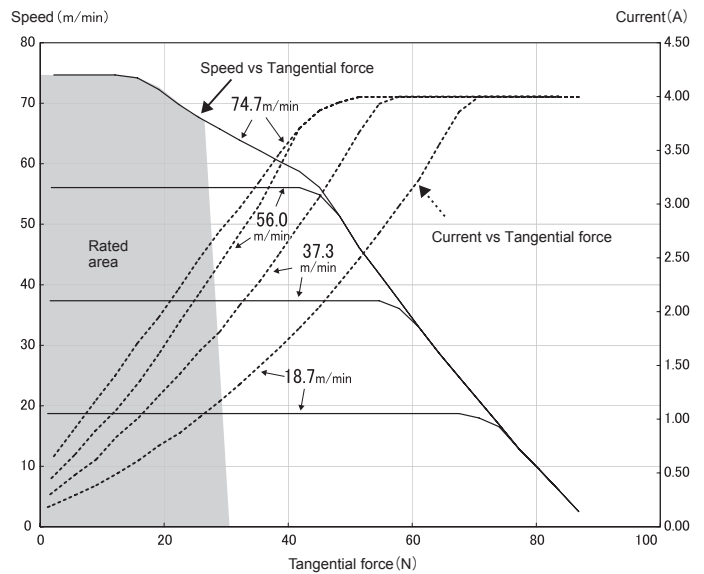
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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
21.0	18.9	83	276	0.8	4.0	42	62	9	9.3~9.7
19.3	18.9	83		0.7		42	62	8	8.3~8.7
17.5	17.5	84		0.6		39	60	7	7.3~7.7
15.8	15.8	85		0.6		35	56	6	6.3~6.7
14.0	14.0	86		0.5		31	51	5	5.3~5.7
12.3	12.3	87		0.5		27	47	4	4.3~4.7
10.5	10.5	88		0.4		23	43	3	3.3~3.7
8.8	8.8	89		0.4		19	38	2	2.3~2.7
7.0	7.0	91		0.3		16	34	1	1.3~1.7
5.3	5.3	92		0.3		12	29	0	0.3~0.7



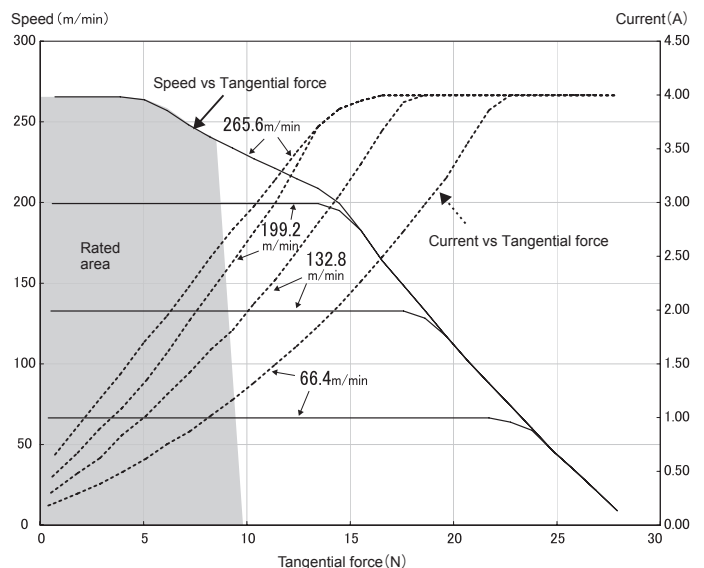
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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
74.7	67.2	27	88	0.8	4.0	42	62	9	9.3~9.7
68.5	67.2	27		0.7		42	62	8	8.3~8.7
62.2	62.2	27		0.6		39	60	7	7.3~7.7
56.0	56.0	27		0.6		35	56	6	6.3~6.7
49.8	49.8	27		0.5		31	51	5	5.3~5.7
43.6	43.6	28		0.5		27	47	4	4.3~4.7
37.3	37.3	28		0.4		23	43	3	3.3~3.7
31.1	31.1	29		0.4		19	38	2	2.3~2.7
24.9	24.9	29		0.3		16	34	1	1.3~1.7
18.7	18.7	29		0.3		12	29	0	0.3~0.7



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Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
265.6	239.0	8	28	0.8	4.0	42	62	9	9.3~9.7
243.4	239.0	8		0.7		42	62	8	8.3~8.7
221.3	221.3	9		0.6		39	60	7	7.3~7.7
199.2	199.2	9		0.6		35	56	6	6.3~6.7
177.0	177.0	9		0.5		31	51	5	5.3~5.7
154.9	154.9	9		0.5		27	47	4	4.3~4.7
132.8	132.8	9		0.4		23	43	3	3.3~3.7
110.7	110.7	9		0.4		19	38	2	2.3~2.7
88.5	88.5	9		0.3		16	34	1	1.3~1.7
66.4	66.4	9		0.3		12	29	0	0.3~0.7



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