



Minimum tube length



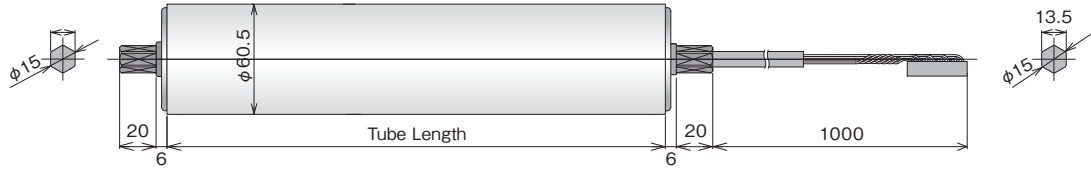
Spring loaded shaft

MDR Brushless DC Motor for pallet transfer PM605KT

Roller diameter $\phi 60.5$

Roller diameter $\phi 60.5$ PM605KT

- Roller diameter / $\phi 60.5$
- Thickness / t3.2
- Voltage / 24V DC
- Tube material / STKM12
- Surface treatment / Trivalent chromate processing



Tube Length : PM605KT

	360mm				≥ 360 mm				
Tube Length (mm)	400	500	600	700	800	900	1000	1100	1200
Weight (kg)	5.1	5.5	6.0	6.4	6.9	7.3	7.8	8.2	8.7
Spring loaded shaft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- Conveyor frame inside dimension and frame hole shape vary by the manufacturer.
- For installation of MDR, frame inside dimension should be produced to (Tube length + 17mm).
- 3.2mm or less thickness frame is recommended to install the roller. Contact us for other frame thickness.

Product Designation :

PM605KT - 15 - 1000 - D - 024 - KV

Power Moller model Nominal Speed Tube Length Voltage Options

- Motor type : KT
- Nominal Speed : 15,55
- Tube Length : Specify in mm.
- Voltage : D-024 (24VDC)
- Options : Each of the following optional specification may be selected.

Options : PM605KT

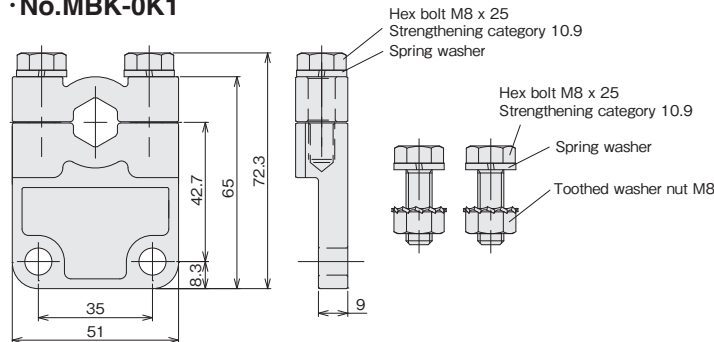
BR Built-In Brake - BR *1
 410mm ≥ 410 mm

KV Poly V-Belt Pulley
 360mm ≥ 360 mm

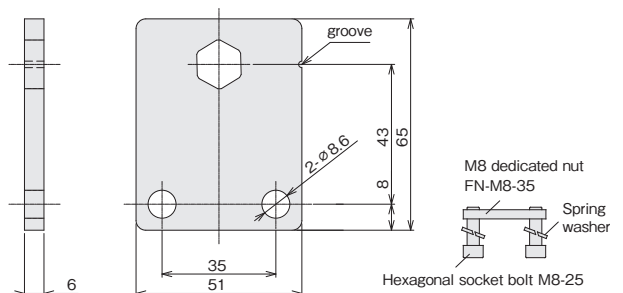
*1 When holding type built-in brake is required, specify along with a driver card compatible with such brake specification.
 [Electric brake (without holding function) is equipped as a standard specification.]
 ■ Contact us for the manufacturability with other specifications.

Mounting Bracket : 1pce of No.MBK-0K1 1pce of No.MBK-0K1-7


• No.MBK-0K1



• No.MBK-0K1-7



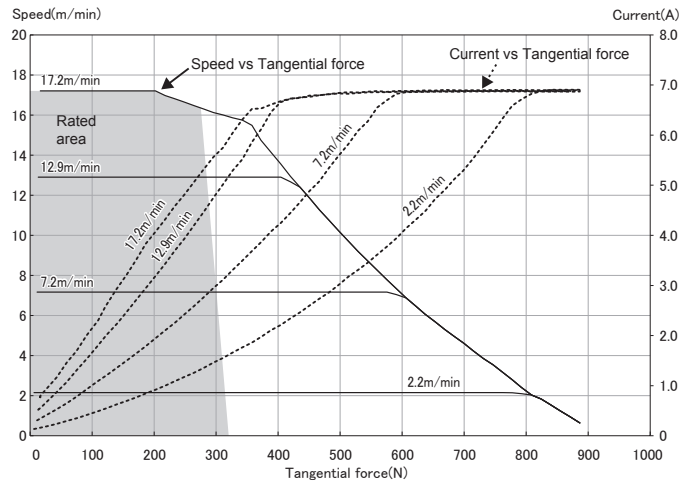
- No. MBK-0K1 bracket is mounted on cable side shaft and No. MBK-0K1-7 is mounted on spring loaded shaft.
- Apply 27.2Nm torque for securing Power Moller mounting shaft and No. MBK-0K1 bracket.

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

Operating characteristics with CBK-109 driver card

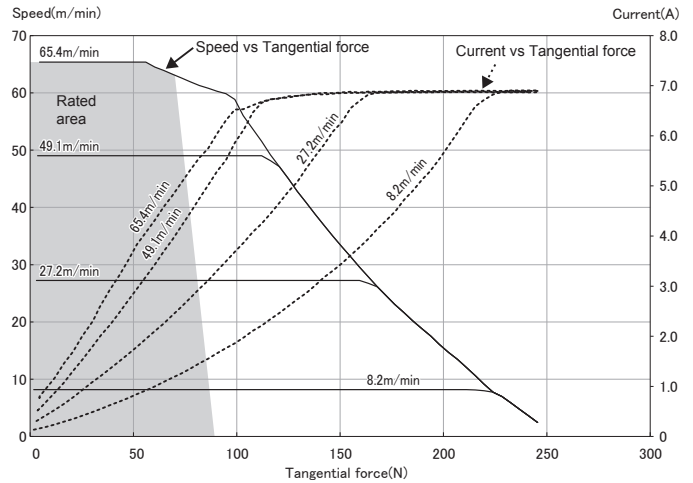
PM605KT-15

Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	RSW	External input voltage (V)
	Rated	Starting	No-load	Starting					
17.2	278		0.8		88	126	ON	9	9.6~9.9
15.8	278		0.8		86	124		8	9.1~9.4
15.1	278		0.8		82	120		7	8.6~8.9
14.3	282		0.7		78	115		6	8.1~8.4
13.6	282		0.7		74	111		5	7.6~7.9
12.9	286		0.7		70	106		4	7.1~7.4
11.5	290		0.6		63	96		3	6.6~6.9
10.8	290		0.6		59	92		2	6.1~6.4
10.0	295		0.5		55	86		1	5.6~5.9
9.3	295		0.5		51	82		0	5.1~5.4
8.6	299	884	0.5	7.0	50	80	OFF	9	4.6~4.9
7.9	299		0.4		45	75		8	4.1~4.4
7.2	299		0.4		41	70		7	3.6~3.9
6.5	303		0.4		37	65		6	3.1~3.4
5.7	303		0.4		33	60		5	2.6~2.9
5.0	303		0.4		30	59		4	2.1~2.4
4.3	307		0.3		26	53		3	1.6~1.9
3.6	307		0.3		21	45		2	1.1~1.4
2.9	311		0.3		17	40		1	0.6~0.9
2.2	316		0.3		12	35		0	0.1~0.4



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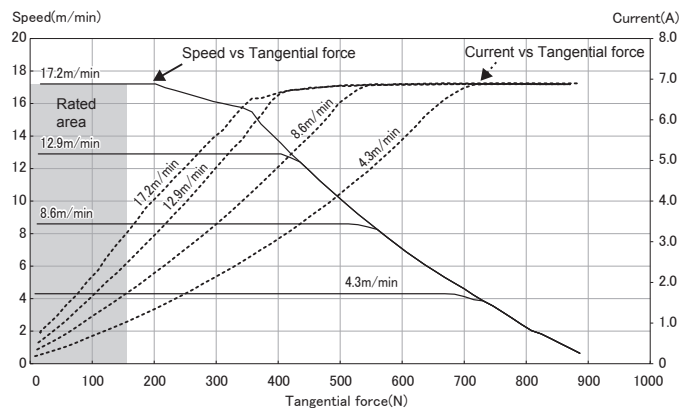
Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	RSW	External input voltage (V)
	Rated	Starting	No-load	Starting					
65.4	77		0.8		88	126	ON	9	9.6~9.9
60.0	77		0.8		86	124		8	9.1~9.4
57.2	77		0.8		82	120		7	8.6~8.9
54.5	78		0.7		78	115		6	8.1~8.4
51.8	78		0.7		74	111		5	7.6~7.9
49.1	79		0.7		70	106		4	7.1~7.4
43.6	80		0.6		63	96		3	6.6~6.9
40.9	80		0.6		59	92		2	6.1~6.4
38.2	82		0.5		55	86		1	5.6~5.9
35.4	82		0.5		51	82		0	5.1~5.4
32.7	83	245	0.5	7.0	50	80	OFF	9	4.6~4.9
30.0	83		0.4		45	75		8	4.1~4.4
27.2	83		0.4		41	70		7	3.6~3.9
24.5	84		0.4		37	65		6	3.1~3.4
21.8	84		0.4		33	60		5	2.6~2.9
19.1	84		0.4		30	59		4	2.1~2.4
16.3	85		0.3		26	53		3	1.6~1.9
13.6	85		0.3		21	45		2	1.1~1.4
10.9	86		0.3		17	40		1	0.6~0.9
8.2	87		0.3		12	35		0	0.1~0.4



Operating characteristics with HBK-608 driver card

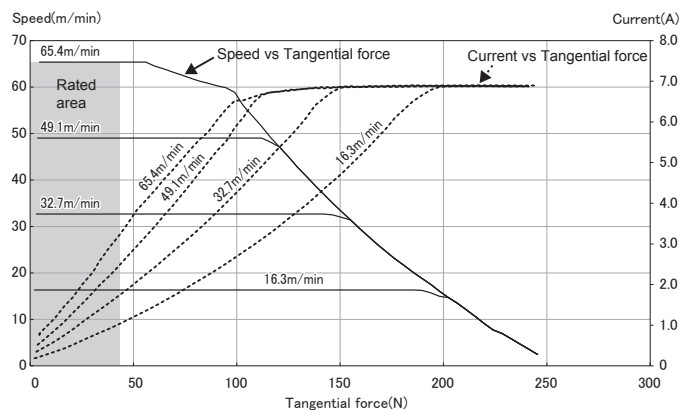
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Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No
	Rated	Starting	No-load	Starting			
17.2	156		0.8		52	77	9
15.8	156		0.7		48	71	8
14.3	156		0.7		43	64	7
12.9	156		0.6		39	59	6
11.5	156		0.6		35	54	5
10.0	156		0.5		30	47	4
8.6	156		0.5		26	42	3
7.2	156		0.4		22	36	2
5.7	156		0.4		17	30	1
4.3	156		0.3		14	27	0




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Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No
	Rated	Starting	No-load	Starting			
65.4	43		0.8		52	77	9
60.0	43		0.7		48	71	8
54.5	43		0.7		43	64	7
49.1	43		0.6		39	59	6
43.6	43		0.6		35	54	5
38.2	43	245	0.5	7.0	30	47	4
32.7	43		0.5		26	42	3
27.2	43		0.4		22	36	2
21.8	43		0.4		17	30	1
16.3	43		0.3		14	27	0



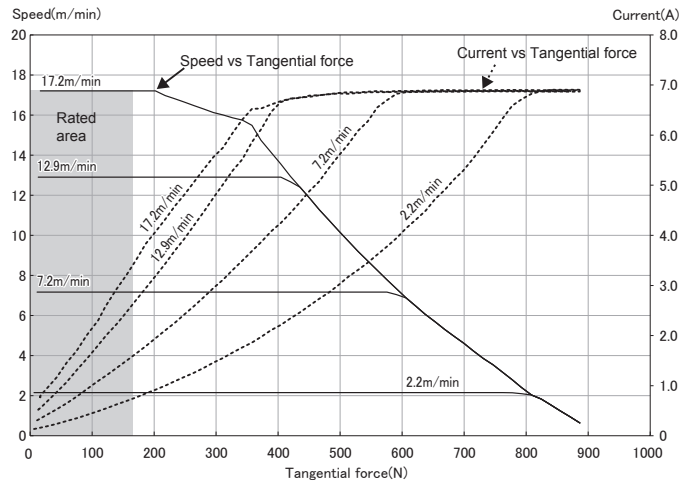
* The values in the characteristics list are when an ambient temperature is 25 degree C, and only for your reference and not the warranted values. The values represent the characteristics of a single standard motor roller (no linked operation) without including other specifications, and the values may change when including other specifications or with linked operation.

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

Operating characteristics with IB-E04 driver card

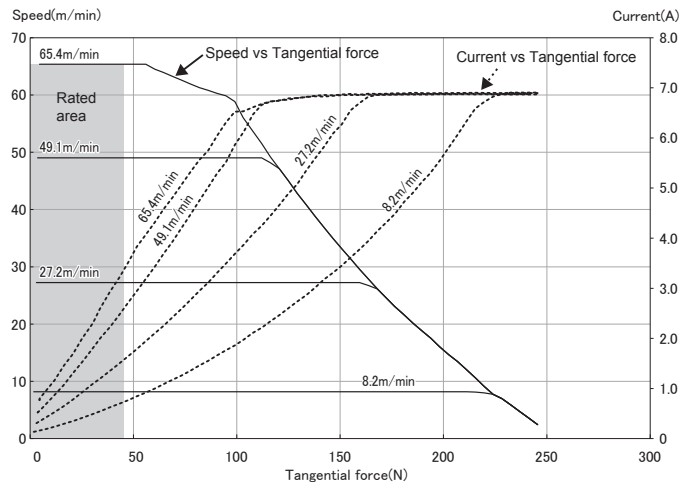
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Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)
	Rated	Starting	No-load	Starting		
17.2	164		0.8		54	77
15.8	164		0.8		53	77
15.1	164		0.8		46	68
14.3	164		0.7		43	64
13.6	164		0.7		41	62
12.9	164		0.7		39	59
11.5	164		0.6		35	54
10.8	164		0.6		33	50
10.0	164		0.5		30	47
9.3	164	884	0.5	7.0	28	45
8.6	164		0.5		26	42
7.9	164		0.4		24	39
7.2	164		0.4		22	36
6.5	164		0.4		20	33
5.7	164		0.4		17	30
5.0	164		0.4		15	27
4.3	164		0.3		13	25
3.6	164		0.3		11	22
2.9	164		0.3		9	19
2.2	164		0.3		7	17



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Speed (m/min)	Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)
	Rated	Starting	No-load	Starting		
65.4	45		0.8		54	77
60.0	45		0.8		53	77
57.2	45		0.8		46	68
54.5	45		0.7		43	64
51.8	45		0.7		41	62
49.1	45		0.7		39	59
43.6	45		0.6		35	54
40.9	45		0.6		33	50
38.2	45		0.5		30	47
35.4	45	245	0.5	7.0	28	45
32.7	45		0.5		26	42
30.0	45		0.4		24	39
27.2	45		0.4		22	36
24.5	45		0.4		20	33
21.8	45		0.4		17	30
19.1	45		0.4		15	27
16.3	45		0.3		13	25
13.6	45		0.3		11	22
10.9	45		0.3		9	19
8.2	45		0.3		7	17



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