



Minimum tube length

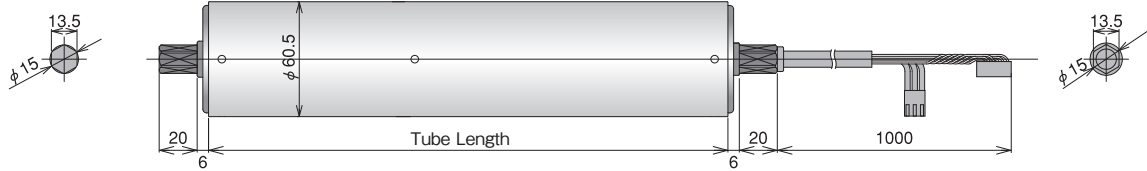


Spring loaded shaft

MDR Brushless DC Motor Ultra high torque type PM605KE Roller diameter $\phi 60.5$

Roller diameter $\phi 60.5$ PM605KE

- Roller diameter / $\phi 60.5$
- Thickness / t3.2
- Tube material / STKM12
- Voltage / 24V DC
- Surface treatment / Trivalent chromate processing
- Output shaft side surface treatment / Parkerizing
- Power supply shaft side surface treatment / Parkerizing



Tube Length : PM605KE

	360mm		360mm \leq						
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

- 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).

Product Designation :

PM605KE - 15 - 1000 - D - 024 -

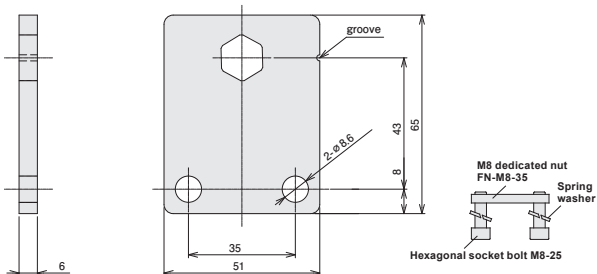
Power Moller model Nominal Speed Tube Length Voltage Options

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

**CAUTION** ≤ 3.2 mm thick frame is recommended.
Consult us for other frame thickness.

Mounting Bracket :

- No.MBK-0K1-6 (including 2pcs. of the fixing bracket)
- No.MBK-0K1-7 (including 1pce. of the fixing bracket)



- MBK-0K6 is mounted to the power cable side.
- MBK-0K7 is mounted to the spring loaded shaft.
- Install MBK-0K1-6 with its groove symmetrically positioned.
- Fasten the bracket with the torque of 27.2Nm.

Options : PM605KE


**Poly V-Belt Pulley**

360mm

360mm \leq

P.70

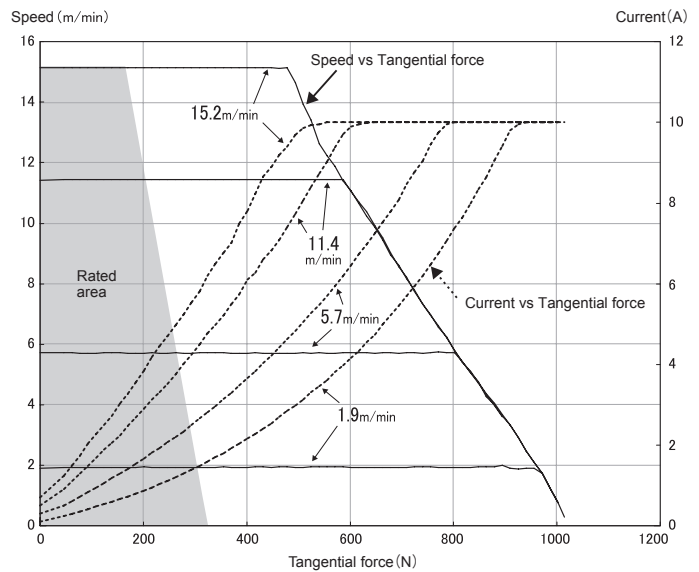
MDR Brushless DC Motor Ultra high torque type PM605KE Roller diameter ϕ 60.5

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

Operating characteristics with CBM-103 driver card

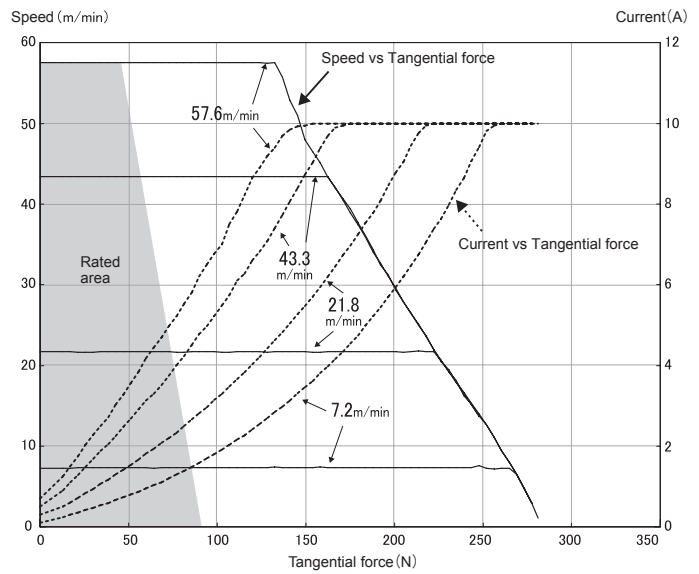
PM605KE-15

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No. SW2	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
15.2	15.2	165		0.7		49	76	9	9.5~9.9
14.3	14.2	175		0.6		49	74	8	8.9~9.3
13.3	13.3	183		0.6		48	71	7	8.2~8.6
12.4	12.4	188		0.5		45	67	—	7.6~8.0
11.4	11.4	193		0.5		43	67	6	7.0~7.4
10.5	10.5	201		0.5		41	62	—	6.4~6.8
9.5	9.5	210		0.4		39	61	5	5.7~6.1
8.6	8.6	212	1067	0.4	10.0	41	56	—	5.1~5.5
7.6	7.6	215		0.4		35	57	4	4.5~4.9
6.7	6.7	244		0.3		33	53	—	3.9~4.3
5.7	5.7	274		0.3		30	52	3	3.2~3.6
4.8	4.8	281		0.3		26	48	—	2.6~3.0
3.8	3.8	289		0.2		22	45	2	2.0~2.4
2.9	2.8	303		0.2		17	41	1	1.4~1.8
1.9	1.9	309		0.1		12	36	0	0.7~1.1
1.0	1.0	314		0.1		6	30	—	0.1~0.5



PM605KE-55

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No. SW2	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
57.9	57.6	46		0.8		49	76	9	9.5~9.9
54.3	54.0	49		0.7		49	74	8	8.9~9.3
50.7	50.4	51		0.7		48	71	7	8.2~8.6
47.1	47.1	52		0.6		45	67	—	7.6~8.0
43.4	43.3	53		0.6		43	67	6	7.0~7.4
39.8	39.8	56		0.6		41	62	—	6.4~6.8
36.2	36.2	58		0.5		39	61	5	5.7~6.1
32.6	32.6	59	296	0.5	10.0	41	56	—	5.1~5.5
29.0	29.0	59		0.4		35	57	4	4.5~4.9
25.3	25.3	68		0.3		33	53	—	3.9~4.3
21.7	21.7	76		0.3		30	52	3	3.2~3.6
18.1	18.1	78		0.3		26	48	—	2.6~3.0
14.5	14.4	80		0.2		22	45	2	2.0~2.4
10.9	10.8	84		0.2		17	41	1	1.4~1.8
7.2	7.2	86		0.1		12	36	0	0.7~1.1
3.6	3.6	87		0.1		6	30	—	0.1~0.5



*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.