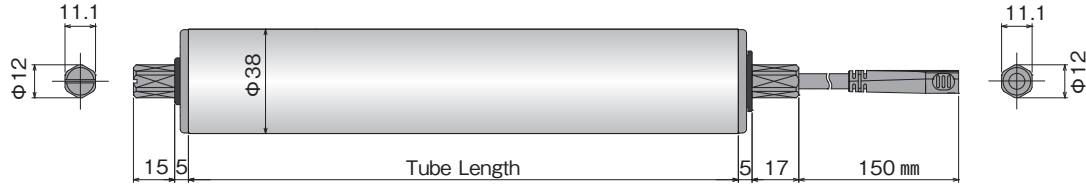


Minimum
tube lengthSpring
loaded shaft**MDR Brushless DC Motor standard type PM380VS****Roller diameter $\varnothing 38$** **Roller diameter $\varnothing 38$** **PM380VS**

- **Roller diameter** / $\varnothing 38$
- **Thickness** / $t1.2$
- **Voltage** / 24V DC
- **Tube material** / STKM12
- **Surface treatment** / Trivalent chromate processing

**Tube Length : PM380VS**

PM380VS-17

**200mm** **≥ 215 mm**

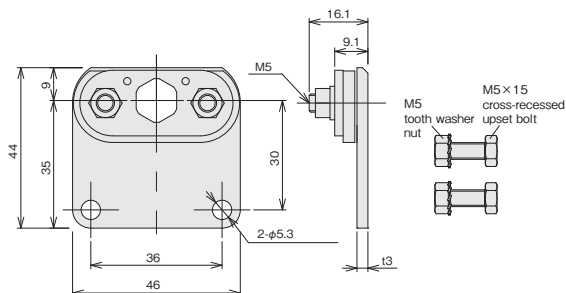
Tube Length (mm)	200	300	400	500	600
Weight (kg)	1.0	1.1	1.2	1.3	1.4
Spring loaded shaft	×	○	○	○	○

PM380VS-60

**200mm** **≥ 200 mm**

Tube Length (mm)	200	300	400	500	600
Weight (kg)	1.0	1.1	1.2	1.3	1.4
Spring loaded shaft	○	○	○	○	○

- Conveyor frame inside dimension and frame hole shape vary by the manufacturer.
- A gap of 2~5mm is required between the frame inside dimension and Power Moller.
(Fix the product in the frame making the gap both ends even.)

Mounting Bracket : No.C-081

- Attach to the power cable side.
- Apply 3.0Nm for securing the Power Moller shaft, and 3.1Nm* for securing the bracket.
*If case of using a Phillips screwdriver, the required torque is 3.5Nm.

Product Designation :**PM380VS - 60 - 200 - D - 024 - VP**

Power Moller model	Nominal Speed	Tube Length	Voltage	Options
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- Motor type** : VS
- Nominal Speed** : 17,60
- Tube Length** : Specify in mm.
- Voltage** : D-024 (24VDC)
- Options** : Each of the following optional specification may be selected.

Options : PM380VS**Rubber Laggings - NR, UR, NB, CR**

Natural rubber, Urethane, NBR, Neoprene

DR**Drip Proof****200mm** **≥ 200 mm** ≥ 215 mm for nominal speed 17WA**Water Proof****200mm** **≥ 215 mm**215mm for nominal speed 17 ≥ 230 mm for nominal speed 17VG**Poly V-Belt Pulley****200mm** **≥ 200 mm**215mm for nominal speed 17 ≥ 215 mm for nominal speed 17VP**V-Belt Pulley****200mm** **≥ 200 mm**215mm for nominal speed 17 ≥ 215 mm for nominal speed 17

* Standard bracket for dripproof or waterproof is No.C-081-D (Stainless type).

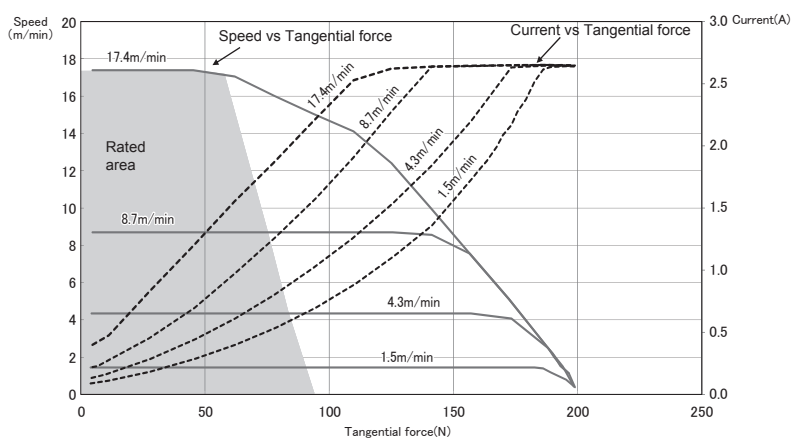
* For tube length or other specification availability, contact our sales support.

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

Operating characteristics with CBV30 driver card

PM380VS-17

Speed (m/min)		Tangential Force (N)		Current (A)		Power Output (W)		Power Input (W)	RSW
No-load	Rated	Starting	No-load	Starting	No-load	Starting	No-load		
17.4	59	198	0.4	2.6	24	37	9	24	37
14.5	64		0.3		21	35	8		
11.6	69		0.2		17	30	7		
8.7	75		0.2		16	30	6		
7.2	78		0.2		13	27	5		
5.8	81		0.1		10	24	4		
4.3	84		0.1		9	24	3		
2.9	87		0.1		6	21	2		
2.3	88		0.1		5	19	1		
1.5	90		0.1		3	17	0		



PM380VS-60

Speed (m/min)		Tangential Force (N)		Current (A)		Power Output (W)		Power Input (W)	RSW
No-load	Rated	Starting	No-load	Starting	No-load	Starting	No-load		
60.0	19	64	0.4	2.6	24	37	9	24	37
50.0	21		0.3		21	35	8		
40.0	22		0.2		17	30	7		
30.0	24		0.2		16	30	6		
25.0	25		0.2		13	27	5		
20.0	26		0.1		10	24	4		
15.0	27		0.1		9	24	3		
10.0	28		0.1		6	21	2		
8.0	29		0.1		5	19	1		
5.0	29		0.1		3	17	0		

