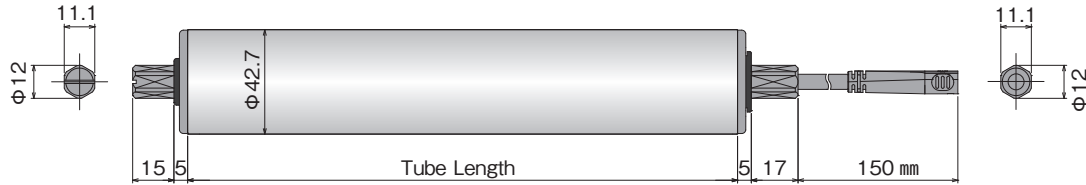


Minimum
tube lengthSpring
loaded shaft**MDR Brushless DC Motor standard type PM427VS****Roller diameter $\varnothing 42.7$** **Roller diameter $\varnothing 42.7$**
PM427VS

- **Roller diameter** / $\varnothing 42.7$
- **Thickness** / $t1.5$
- **Voltage** / 24V DC
- **Tube material** / STKM12
- **Surface treatment** / Trivalent chromate processing

**Tube Length : PM427VS**

PM427VS-17



200mm

 ≥ 215 mm

Tube Length (mm)	200	300	400	500	600	700	800
Weight (kg)	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Spring loaded shaft	X	O	O	O	O	O	O

PM427VS-60

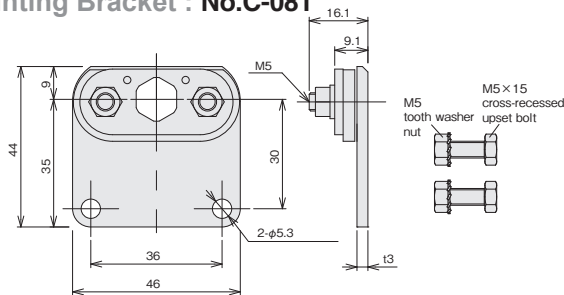


200mm

 ≥ 200 mm

Tube Length (mm)	200	300	400	500	600	700	800
Weight (kg)	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Spring loaded shaft	O	O	O	O	O	O	O

- 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 :**PM427VS - 60 - 200 - D - 024 - VP**

Power Moller model Nominal Speed Tube Length Voltage Options

- 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 : PM427VS**Rubber Laggings - NR, UR, NB, CR**

Natural rubber, Urethane, NBR, Neoprene

**DR****Drip Proof**

200mm

 ≥ 200 mm ≥ 215 mm for nominal speed 17**WA****Water Proof**

200mm

 ≥ 215 mm

215mm for nominal speed 17

 ≥ 230 mm for nominal speed 17**VP****V-Belt Pulley**

200mm

 ≥ 200 mm

215mm for nominal speed 17

 ≥ 215 mm for nominal speed 17

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

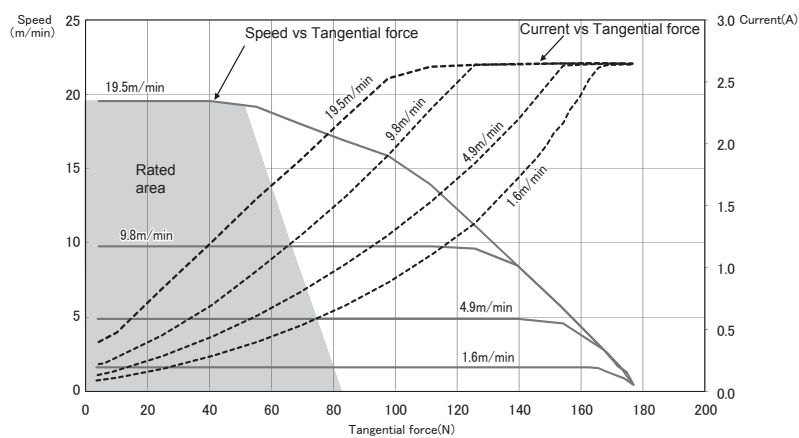
* For tube length or other specification availability, contact our sales support.

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

Operating characteristics with CBV30 driver card

PM427VS-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	Starting	No-load	
19.5	53	177	0.4	2.6	24	37	9			
16.3	57		0.3		21	35	8			
13.0	62		0.2		17	30	7			
9.8	67		0.2		16	30	6			
8.1	69		0.2		13	27	5			
6.5	72		0.1		10	24	4			
4.9	75		0.1		9	24	3			
3.3	78		0.1		6	21	2			
2.6	79		0.1		5	19	1			
1.6	80		0.1		3	17	0			



PM427VS-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	Starting	No-load	
67.4	17	57	0.4	2.6	24	37	9			
56.2	18		0.3		21	35	8			
45.0	20		0.2		17	30	7			
33.7	21		0.2		16	30	6			
28.1	22		0.2		13	27	5			
22.5	23		0.1		10	24	4			
16.9	24		0.1		9	24	3			
11.2	25		0.1		6	21	2			
9.0	25		0.1		5	19	1			
5.6	26		0.1		3	17	0			

