



Minimum tube length



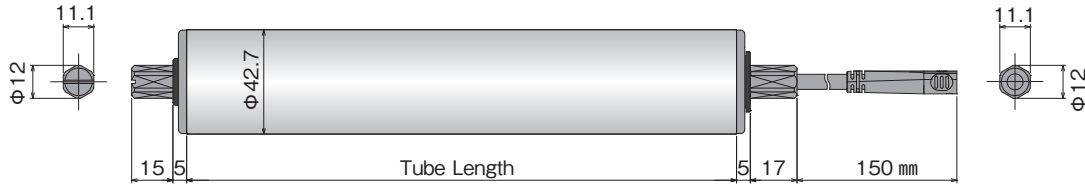
Spring loaded shaft

MDR Brushless DC Motor standard type PM427VS

Roller diameter $\phi 42.7$

Roller diameter $\phi 42.7$ PM427VS

- Roller diameter / $\phi 42.7$
- 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

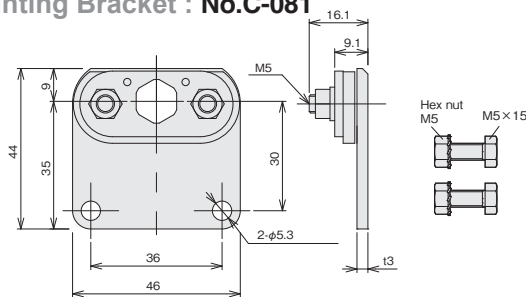


≥ 200 mm

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 3.5Nm for securing the bracket.

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 dripproof or waterproof is No.C-081-D (Stainless type).

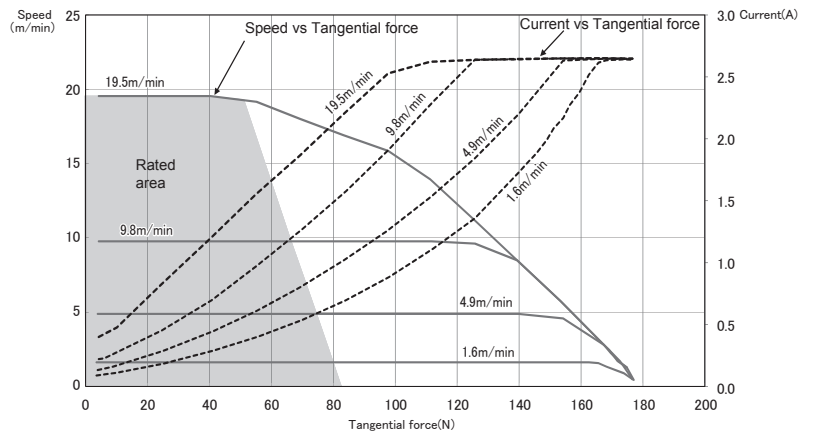
* For tube length or other specification availability, contact our sales support.

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

Operating characteristics with CBV30 driver card

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			
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			
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	

