

VMD12



Features

VMD12 is a compact in-line actuator with small overall dimensions, specially designed for applications where installation space is limited. In addition to high IP protection level, all external parts are made of 304 stainless steel for better corrosion resistance. Especially suited for marine, food processing and other industrial automation applications.

- ◆ Main applications: Industrial
- ◆ Input voltage: 24V DC
- ◆ Max. load: 1500N (push / pull)
- ◆ Max. current: 2A
- ◆ Max. speed at no load: 18 mm/sec
- ◆ Max. speed at full load: 12 mm/sec @ 600N
- ◆ Stroke: 50 ~ 400 mm
- ◆ Dual Hall sensor positioning feedback
- ◆ Power wire length: 1000mm bare wires
- ◆ Duty cycle: 10% or 2 min continuous operation in 20 min.
- ◆ Ambient operation temperature: -5°C ~ +70°C
- ◆ IP Protection level: IP66, IP69K

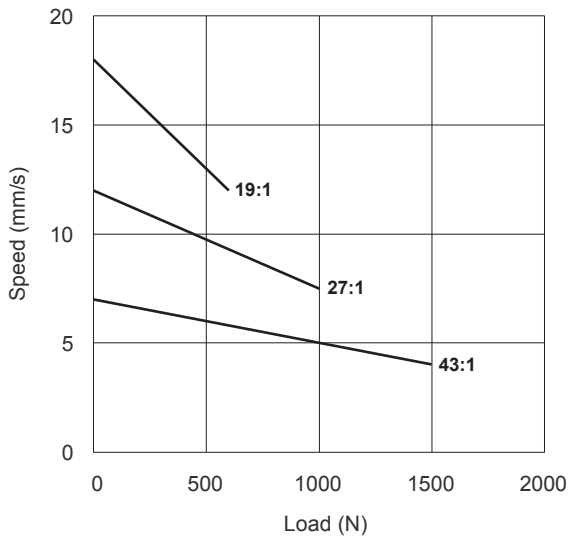
Options

- ◆ Positioning feedback with dual Hall effect sensors
- ◆ Venture V-type or H-type DIN plug

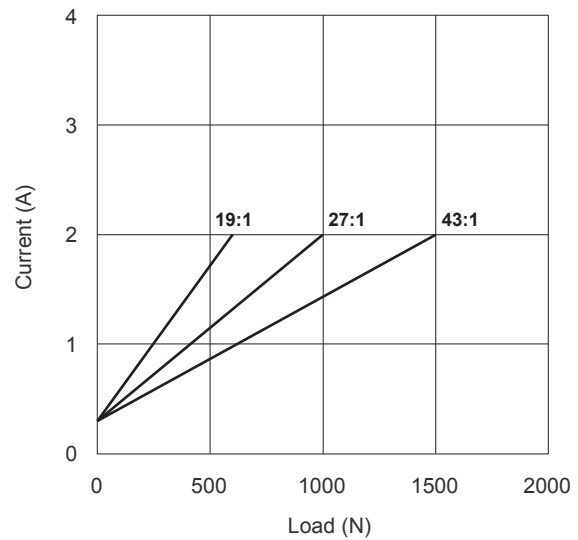
Performance Data

Type	Push load Max. (N)	Pull load Max. (N)	Speed (mm/s)		Current (A)	
			No load	Full load	No load	Full load
VMD12-2419-XXXX.XXX	600	600	18.0	12.0	0.3	2.0
VMD12-2427-XXXX.XXX	1000	1000	12.0	7.5	0.3	2.0
VMD12-2443-XXXX.XXX	1500	1500	7.0	4.0	0.3	2.0

Speed vs. Load

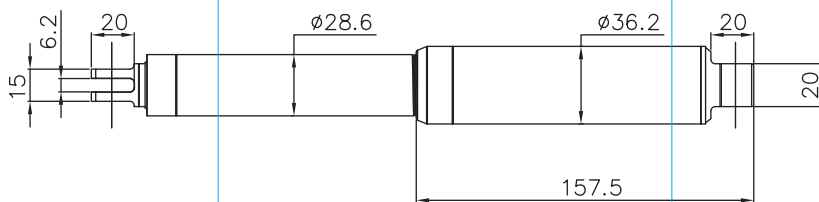
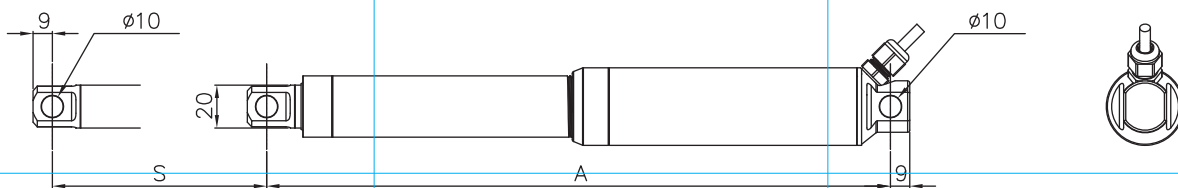


Current vs. Load



Push / Pull Load —

Dimensions



Unit: mm

- ◆ Available stroke (S) range = 50 ~ 400 mm
- ◆ Retracted length (A) $\geq S + 187$ mm

Ordering Key

VMD12- 24 - . - 000

Input Voltage

24 : 24V DC

Gear Ratio

19 : 19:1 (600N)

27 : 27:1 (1000N)

43 : 43:1 (1500N)

Retracted Length

(Refer to paragraph dimensions)

Extended Length

(Refer to paragraph dimensions)

Positioning feedback

0 : None

H : Dual Hall sensors

Reserved

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