



## TECHNICAL BULLETIN #24

### Allowable Overhung Loads for M-D Pneumatics™ Blowers

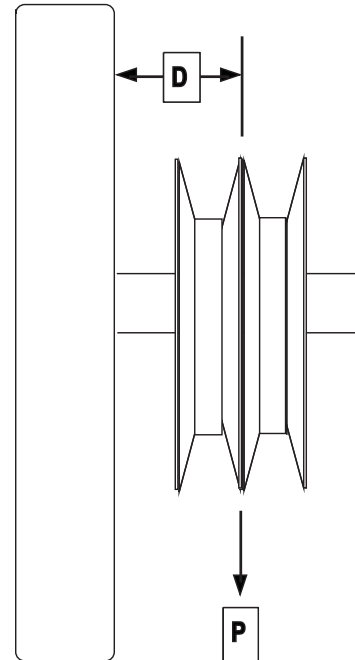
When selecting a belt drive for an M-D blower, it is important to select a drive which will operate the blower at the desired speed without requiring belt tension so great as to place unnecessary stress on the blower drive shaft. Failure to do so will result in premature bearing failure.

Overhung load values are determined as shown below:

$$L = D \times P$$

Where:

- L = Overhung load in inch-pounds
- D = Distance in inches from sheave center line to blower drive end cover (drive end plate on COMPETITOR® models)
- P = Belt pull in pounds



#### PD PLUS™ / 4100/5600 AcousticAir™ & Vacuum Boosters

MODEL SIZE	MAXIMUM OVERHUNG LOAD IN-LBS (N-m)
3200	560 (30)
4000/4100	700 (79)
5500/5600*	1800 (203)
7000	8400 (949)
9000	13,200 (1491)
1200	24,000 (2711)

\*Applies to series 17,18,46,54,57,81,84, and 85 only.

For Series 64,65,67, 68, 90, 91, 92, 93, do not exceed overhung load of 1200 in-lbs (135 N-m).

#### Competitor Plus™ / SL / GT

MODEL SIZE	MAXIMUM OVERHUNG LOAD IN-LBS (N-m)
2000	96 (11)
3000	280 (32)
4000	280 (32)
5000	640 (72)
6000	1,152 (130)
7000	2,016 (227)

#### Equalizer™ / 4700 Acousticair™

MODEL SIZE	MAXIMUM OVERHUNG LOAD IN-LBS (N-m)
4500	1,600 (181)
4600/4700	1,750 (198)
6000	3,980 (450)

#### Qx™

MODEL SIZE	MAXIMUM OVERHUNG LOAD IN-LBS (N-m)
3200	1,000 (113)
4600	1,000 (113)
6000	2,000 (226)