

# Martin® Tornado Air Cannon

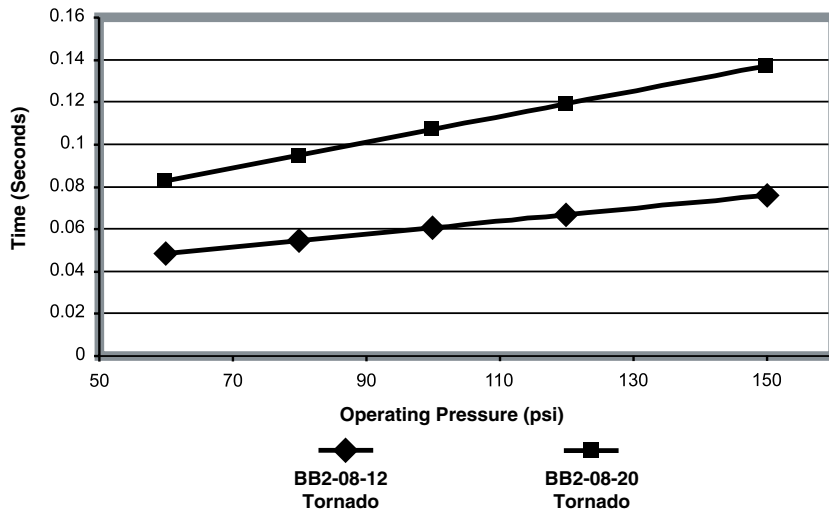


**2-INCH VALVE**

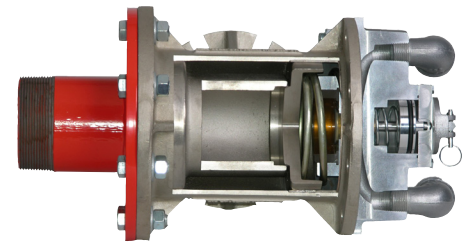
The **Martin® Tornado Air Cannon** produces better material flow with greater force, faster cycling, and improved safety. The Martin® Tornado Air Cannon fires when the exhaust valve opens in response to a positive surge of air sent by a tripped solenoid valve. This positive-acting valve amplifies the discharge force, up to 20% more force than a standard Martin® XHV Air Cannon of the same size.

## PERFORMANCE DATA

### Discharge Time



*Martin® Tornado Exhaust Valve*

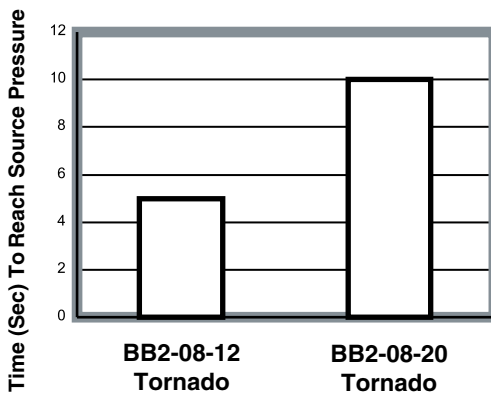


*Unit shown as cutaway to show internal parts.*

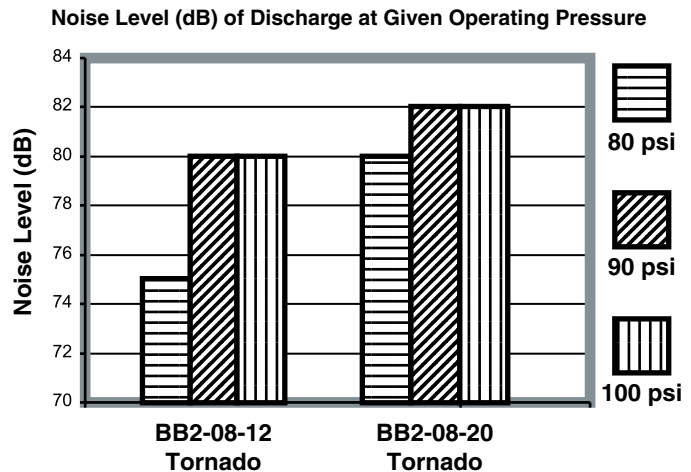
### BENEFITS

- Increased Safety
- Increased Force Output
- Suitable for High Temperatures
- Easy Installation and Maintenance
- Cycle Guarantee
- Faster Fill Times

### Tank Fill Time\*



### Noise Level



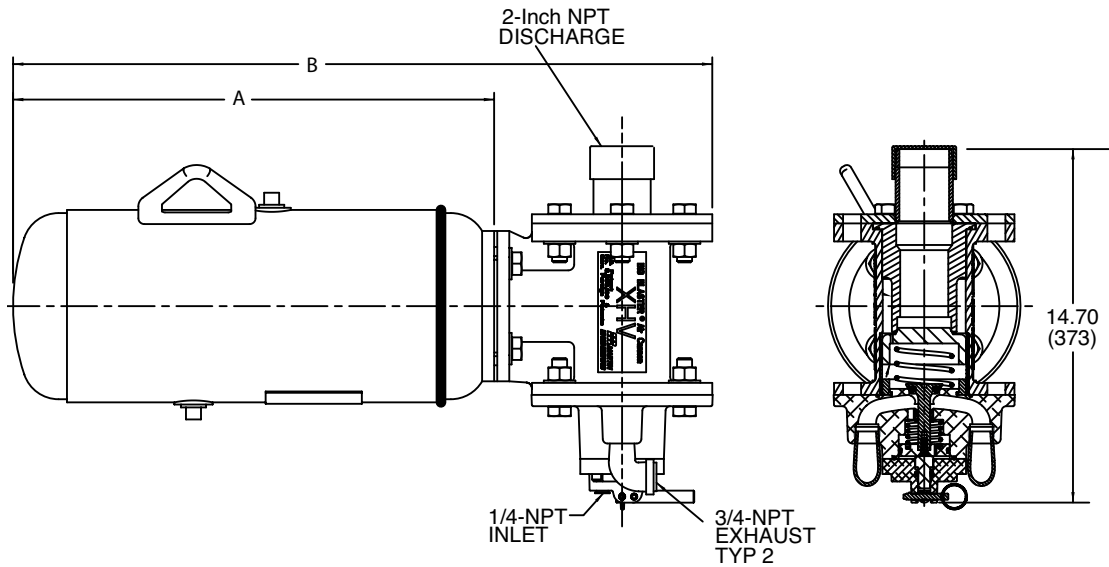
\* Data based on laboratory testing. Fill times may vary depending on air supply characteristics.

# TECHNICAL DATA SHEET

## DIMENSIONS

NPT—National Pipe Thread

Model	Assembly P/N	Dimensions		Ship WT. lbs (kg)	
		A	B		
BB2-08-12	37864-0812	12 (305)	21.07 (535)	50 (23)	
BB2-08-20	37864-0820	20 (508)	29.07 (738)	57 (26)	



## AIR VOLUME IN FT<sup>3</sup> (LITERS) FREE AIR

Air Pressure PSI	0812 Tank ft <sup>3</sup> (L)		0820 Tank ft <sup>3</sup> (L)	
0	0.3	(8)	0.5	(15)
40	1.1	(31)	1.9	(55)
50	1.3	(37)	2.3	(65)
60	1.5	(43)	2.6	(75)
70	1.7	(49)	3.0	(85)
75	1.8	(51)	3.2	(90)
80	1.9	(54)	3.3	(95)
85	2.0	(57)	3.5	(100)
90	2.1	(60)	3.7	(105)
95	2.2	(63)	3.9	(110)
100	2.3	(66)	4.1	(115)
110	2.5	(72)	4.4	(125)
120	2.7	(77)	4.8	(135)

## NOTES

Tanks for Martin® Air Cannons supplied by Martin Engineering are manufactured to ASME Code Rules, Section VIII, Division 1. Tanks are National Board registered and pressure vessel quality (PVQ).