

# BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust Valve

2-INCH VALVE

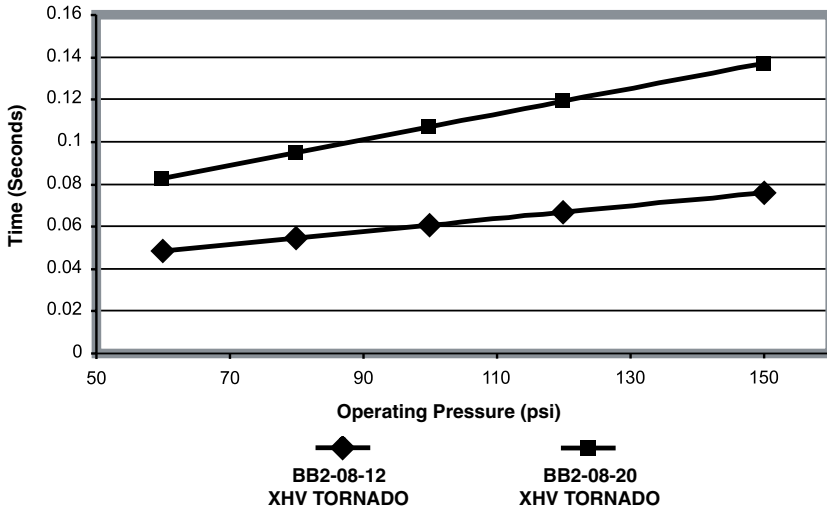
The **BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust Valve** produces better material flow with greater force, faster cycling, and improved safety. The **BIG BLASTER® XHV Air Cannon** fires when the **MARTIN® TORNADO Exhaust Valve** opens in response to a positive surge of air sent by a tripped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



MARTIN® TORNADO Exhaust Valve

## PERFORMANCE DATA

### Discharge Time

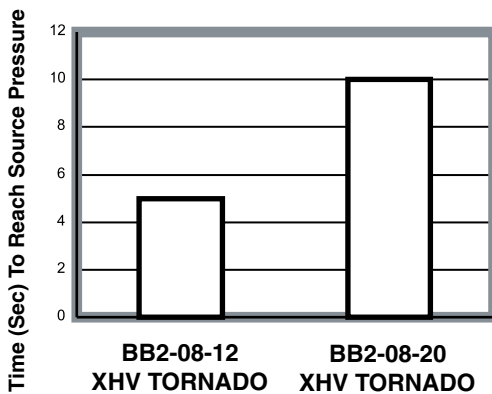


Unit shown as cutaway to show internal parts.

## BENEFITS

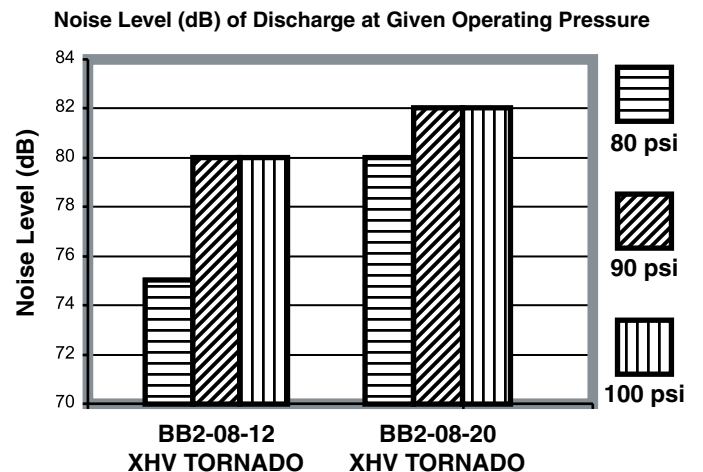
- Increased Safety
- Increased Force Output
- Suitable for High Temperatures
- Easy Installation and Maintenance
- Cycle Guarantee
- Faster Fill Times

### Tank Fill Time \*



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

### Noise Level



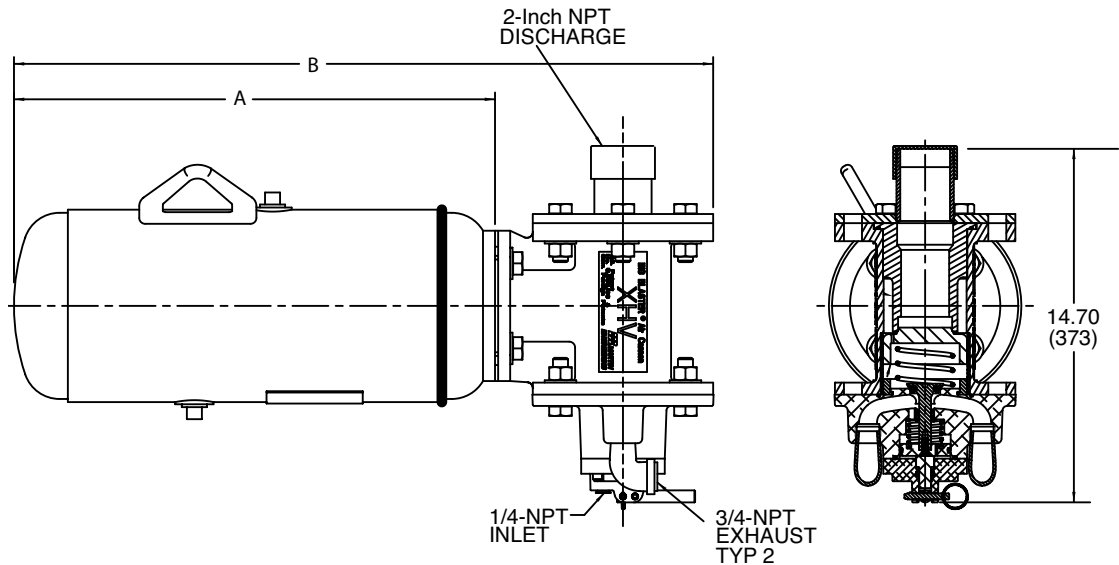
# TECHNICAL DATA SHEET

## BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust Valve

### 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 BIG BLASTER® 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).

For further information, contact Martin Engineering at 1-800-544-2947 or visit our website at [www.martin-eng.com](http://www.martin-eng.com).



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QUALITY MANAGEMENT SYSTEM  
 CERTIFIED BY DNV  
**ISO 9001:2008**

**Problem Solved™**

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