

**Texas Pneumatic manufactures air movers, and it is our responsibility to supply the best product we can supply. We make every attempt to do just that and after reading our brochure and using our product, we hope you will agree.**

### AIR FILTRATION FOR BETTER BREATHING

When workers are breathing the air that has passed through the air movers, Texas Pneumatic has made available products to improve the environmental conditions. Dust collection bags are able to catch the larger suspended particles and contain them from floating beyond the top of the air horn. An Arrow Pneumatics' filter can be used to filter the air coming from the compressed air source. The compressed air may be contaminated with an oil content exceeding 5ppm. By using one of the high efficiency systems from Arrow, it ensures an air quality index of .015ppm. (See Arrow's coalescent filter systems catalog.) The following systems are recommended:

- #FC07504 for the TX3AMS, TX3AM air horns
- #FC09508 for the TX6AM air horn
- #FC11510 for the TX8AM, TX10AM air horns

These selections include the particulate and coalescing filters and are matched to the inlet NPT sizes.

As a cautionary note, strict precautions may be required involving the use of any air mover in gas freeing, prevention of tank collapse, tank entry and tank cleaning where any volatile or poisonous fumes are present. For informational purposes only, you are advised to consult API Publications 2015, 2015A, and 2015B prior to participating in the above activities. These publications can be obtained from the American Petroleum Institute, 1220 L Street, Northwest, Washington, D.C. 20005, Telephone (202) 682-8000.

### OPERATION

Compressed air or saturated steam is the power source for this air mover. It operates on the venturi principle whereby you take small volumes of high velocity air (from the compressed air source) through the casting and out the nozzle jets, creating a venturi action or pulling action that induces large volumes of low velocity air through the venturi and out the air diffuser.

A 1½" hose is recommended from your air supply source to the side inlet connection. The compressor size required can be determined by checking the chart on the air consumed at various inlet pressures. Operate this air mover on air or steam lines limited to 140 psi.

### TOTAL AIR FLOW AND CONSUMED AIR AT VARIOUS INLET PRESSURES

INLET PRESSURE			
	60PSIG Total Air Flow	80PSIG Total Air Flow	100PSIG Total Air Flow
TX3AMS	863 CFM	1076 CFM	1205 CFM
TX3AM	1135 CFM	1308 CFM	1465 CFM
TX6AM	2560 CFM	3020 CFM	3698 CFM
TX8AM	4215 CFM	4810 CFM	5435 CFM
TX10AM	6182 CFM	7304 CFM	8220 CFM
	Air Consumed	Air Consumed	Air Consumed
TX3AMS	31 SCFM	41 SCFM	51 SCFM
TX3AM	31 SCFM	41 SCFM	51 SCFM
TX6AM	60 SCFM	81 SCFM	101 SCFM
TX8AM	108 SCFM	142 SCFM	178 SCFM
TX10AM	189 SCFM	252 SCFM	380 SCFM

Texas Pneumatic air movers have been tested at an independent laboratory. The free flow ratings listed above are based on tests to AMCA Standard 210. Under identical testing situations, Texas Pneumatic air movers equalled or exceeded the air flow of competitively manufactured air movers.

### FREE AIR INDUCTION RATIOS AT VARIOUS INLET PRESSURES

*Dividing total air flow discharged by amount of air consumed.*

	60PSIG	80PSIG	100PSIG
TX3AMS	27.84	26.24	23.64
TX3AM	36.61	31.90	28.73
TX6AM	42.67	37.28	36.61
TX8AM	39.03	33.87	30.53
TX10AM	32.71	28.98	21.63

The above free air induction ratio is a measure of efficiency of a venturi type air mover. The ratio is determined by dividing the total CFM discharged by the amount of air consumed. The accuracy of the figures of the free air induction ratio depends again on the accuracy of the method of testing. All free flow ratings of Texas Pneumatic Air Movers are based on tests to AMCA Standard 210.

### BOXED SHIPPING DIMENSIONS

	Length	Height	Width	Net Shipping Weight
TX3AMS	18.62"	8"	7.62"	6.25 lb
TX3AM	32.12"	8"	7.62"	9.87 lb
TX6AM	45"	12.62"	12.5"	26.05 lb
TX8AM	47"	15"	15"	41 lb
TX10AM	49.25"	18"	18"	48 lb

### AMERICAN STANDARD MEASUREMENTS

	Overall Length	Diameter of Base	Diameter Top of Horn	NPT Size	Bolt Circle Diameter	Base Slot Diameter	Net Weight
TX3AMS	16.75"	7.31"	6.0"	½"	6.56"	0.4	5.5 lb
TX3AM	30.5"	7.31"	7.0"	½"	6.56"	0.4	8.5 lb
TX6AM	44.25"	11.25"	12.5"	1"	10.5"	0.4	22.3 lb
TX8AM	46.06"	14.37"	14.25"	1"	13.62"	0.5	36 lb
TX10AM	48"	17"	15.75"	1"	15.5"	1"	42.06 lb