

M-D Pneumatics™

T1850

Rotary Positive Blowers

17/87 Series - Horizontal Air Flow

46/88 Series - Vertical Air Flow

T1850 heavy duty industrial blowers are designed for high performance applications up to 20 PSIG continuous capacity and are ideal for applications such as carpet cleaning and pneumatic conveying.

Tuthill Vacuum & Blower Systems blowers are offered with the following superior features ordinarily found only on high-end blowers:

Noise Reduction Ports

T1850 blowers have special designed ports for noise reduction.

Helical Gearing

T1850 blowers are timed with precision helical gears, keyed to the rotor shafts, not taper fit spur gears as offered by other manufacturers, that have greater backlash which can slip and lose timing. Helical gears are quieter, reducing mechanical noise.

Stronger Bearings

All T1850 blowers include double row ball bearings at the gear end, stronger than single row ball bearings offered by other manufacturers. Drive shaft bearing is cylindrical roller type for additional strength for V-belt drives.

Rotors with Integral Shafts

T1850 blowers include precision machined ductile iron rotors with large, integrally cast shafts, not press fit and/or pinned shafts offered by other manufacturers, which can loosen over time and cause rotor clash.

Positive End Clearances

End clearances are positively established at the blower gear end, eliminating the risk of shifting end clearances when installing or removing drive components.

Connections

All T1850s are shipped with removable 4" female NPT port flanges. This provides versatility in your application. Other port flanges are available, consult factory.

Individually Tested

Every T1850 blower is factory tested to assure you of the highest quality. While some manufacturers perform only sample testing, We go the distance to insure that your blower meets our rigid ISO 9001 registered quality standards.

Splash Oil Lubrication at Both Ends

T1850 blowers include splash oil lubrication at both the gear end and drive end of the blower. Splash lubrication provides for longer bearing and mechanical seal life by better heat dissipation.

Versatility

Flow configuration is field convertible from horizontal to vertical flow, or vice versa without replacement of end plates.

ISO 9001 Registration

T1850 blowers are manufactured under the Tuthill Vacuum & Blower Systems ISO 9001 registered quality assurance program, the first American manufacturer of rotary blowers to gain such international recognition.

Warranty

Every T1850 blower is backed by the Tuthill Vacuum & Blower Systems limited warranty for a period of 18 months after installation or 2 years after original blower shipment, whichever occurs first.

Worldwide Sales and Service

With sales offices and service facilities located on six continents, you can be assured of availability and service for your T1850 blowers.

Material Specifications:

Housing: Cast iron

End Plates: Cast iron

End Cover: Cast iron

Rotors: Ductile iron

Shafts: Ductile iron, cast integrally with rotors

Bearings: Gear end - Double row ball, both rotors

Drive end - Cylindrical roller, both rotors

Drive Shaft: Ductile iron, cast integrally with drive rotor

Gears: Alloy steel, helical cut

Seals: Lip seal on drive shaft;

17/46 Series internal lip/piston ring seal configuration.

87/88 Series internal slinger/piston ring seal configuration

Lubrication: Oil splash on both ends, no grease

Model Size	Max. Press. PSI	Max. Vac. (in. Hg)	Maximum RPM	Displacement CFR
T1850	20	17	3000	.349

LEADING THE SEARCH FOR NEW SOLUTIONS



TUTHILL
Vacuum & Blower Systems

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Performance

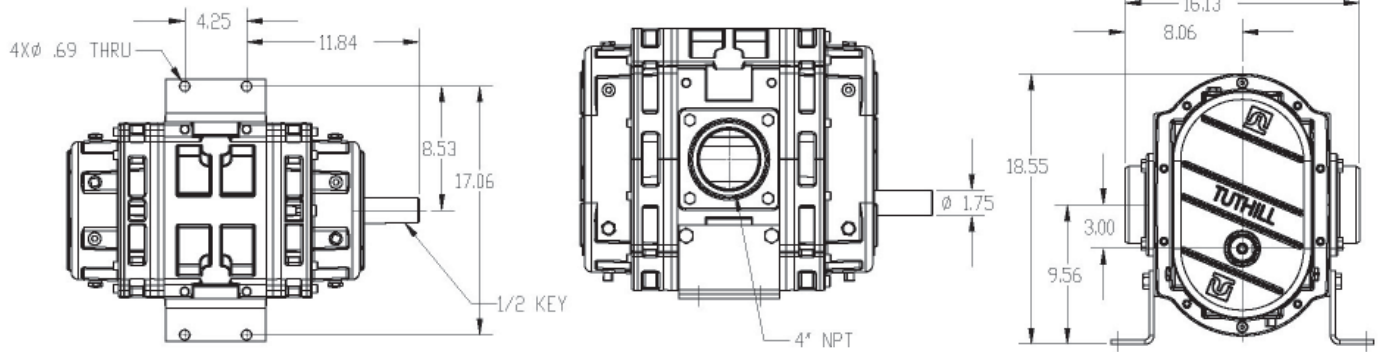
Pressure performance is based on inlet conditions of 14.70 PSIA and 70° F.

Vacuum performance is based on inlet temperature of 70° F and discharge pressure of 14.70 PSIA.

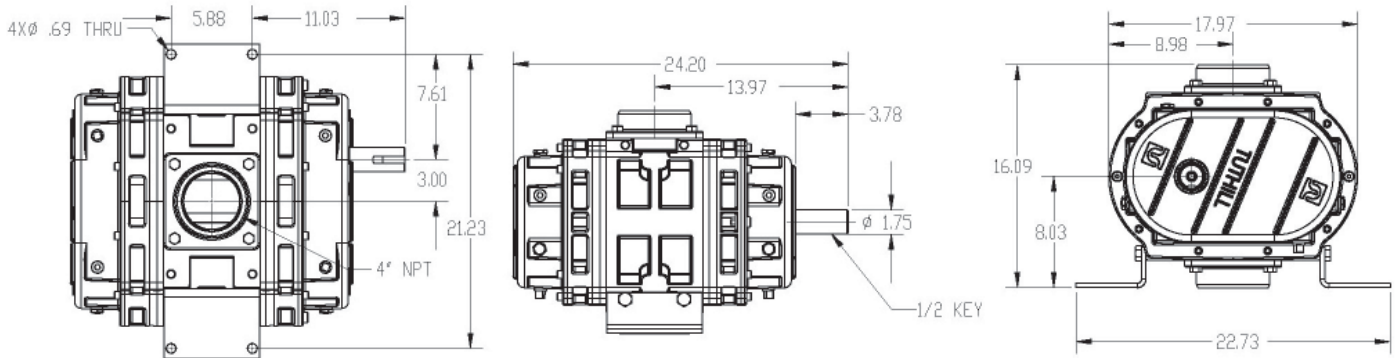
In conjunction with our program of continuous testing and upgrading, all specifications are subject to change without notice.

BLOWER MODEL	SPEED (RPM)	6 PSIG		8 PSIG		10 PSIG		12 PSIG		16 PSIG		18 PSIG		20 PSIG		MAX VACUUM		
		CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP	"HG	SCFM	HP
TI850	1000	246	10	231	13.2	217	16.3	204	19.3	181	25.4					14	106	11.5
	1500	421	15.5	405	20.1	391	24.6	378	29.2	356	38.4	346	42.8	336	47.4	16	163	19.4
	1800	526	18.8	510	24.3	496	29.8	483	35.3	461	46.2	450	51.6	441	57	18	172	26.0
	2400	735	25.9	719	33.2	705	40.5	693	47.8	670	62.4	660	69.3	650	76.7			
	3000	944	33.7	929	42.8	915	52	902	61.1	879	79.4	869	88	860	97.1			

Horizontal Flow



Vertical Flow



Your Local Tuthill Vacuum & Blower Systems Sales Professional:

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