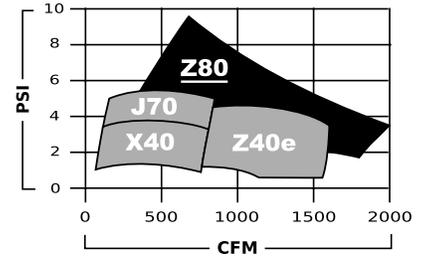




<b>FLOWRATE:</b>	400-2000 CFM
<b>PRESSURE:</b>	2-9 PSI, 50-250"WC
<b>DRIVE SYSTEM:</b>	BELT DRIVEN
<b>MOTOR SIZES:</b>	15-40 HP
<b>SPINDLE RPM:</b>	14,500 - 26,800

<b>PEAK EFFICIENCY:</b>	76%
<b>MAX INLET TEMP:</b>	120°F
<b>DISCHARGE TEMP:</b>	200°F MAX
<b>INLET SIZE:</b>	5" OD
<b>OUTLET SIZE:</b>	4" OD



**COMPONENT SPECS:**

**1 HEAD UNIT**

High-efficiency centrifugal compressor stage. Reaches peak efficiency of 76%. Housing and volute are A356-T6 aluminum; Impeller is investment cast aluminum.

**2 DRIVE COVER**

High-impact cross-linked polyethylene.

**3 MOUNTING PLATE**

Machined from A356-T6 aluminum.

**4 MOTOR**

STANDARD: TEFC, dual voltage (230/480) with 1.25 service factor.  
OPTIONAL: Inverter duty, washdown or explosion proof.

**5 MOUNTING RAILS**

STANDARD: Rigid mounting rails  
OPTIONAL: Vibration isolating mounting rails.

**6 SPINDLE ASSEMBLY**

Permanently lubricated, rigidly preloaded 4-bearing spindle.  
SHAFT: Alloy Steel, Heat Treated; optional Stainless Steel.  
BEARINGS: Ceramic Hybrid, ABEC 9  
SEALS: High-performance PTFE lip seal for standard units; Controlled-gap labyrinth seal for high-speed units (23,000 RPM and higher)

**7 BLOWER PULLEY**

Machined from A356-T6 hard anodized aluminum.

**8 DRIVE BELT**

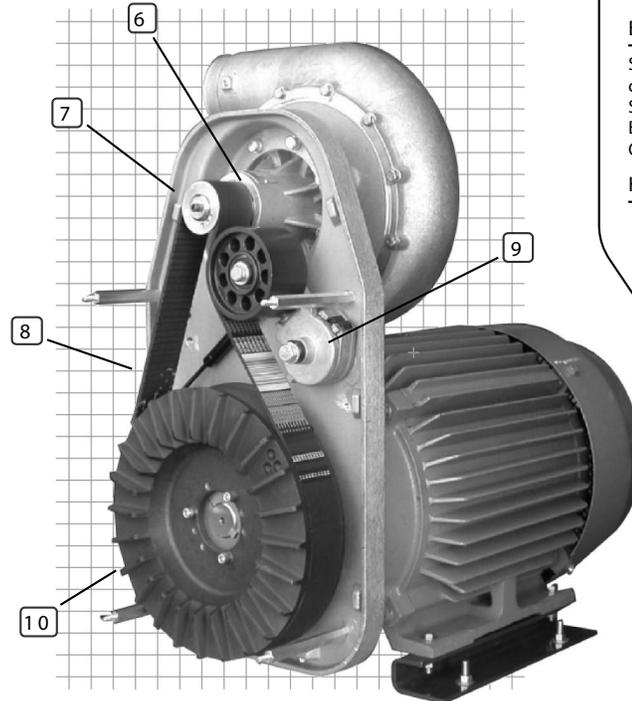
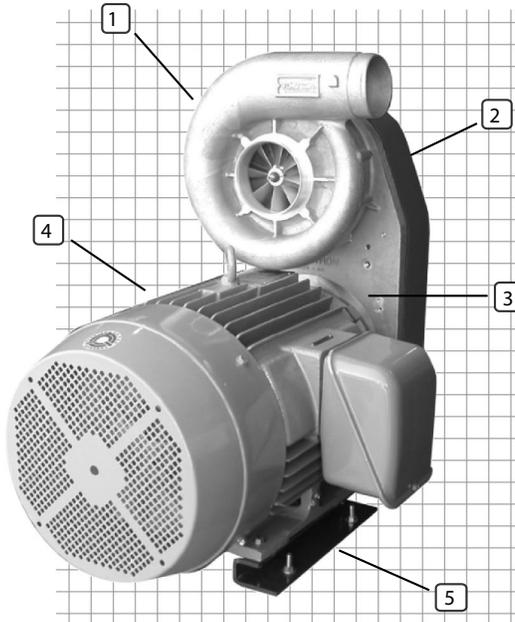
Micro-groove 14-rib belt.

**9 TENSIONER**

Dual-bearing backside automatic tensioner.

**10 DRIVE PULLEY**

Machined from billet stainless steel and balanced to ISO G4 tolerances.



**AIRPOWER FEATURES**

**Highest Performance**

Outperforms any blower of equal motor size. Flow and Pressure not attainable with competitive single-stage products are easily achieved.

**Best Durability**

Spindle and drive system are cooled by patented Fresh-Aire® System. Belt life: 8,000 hrs. Bearing life: up to 80,000 hrs. Outlasts any equally-sized blower.

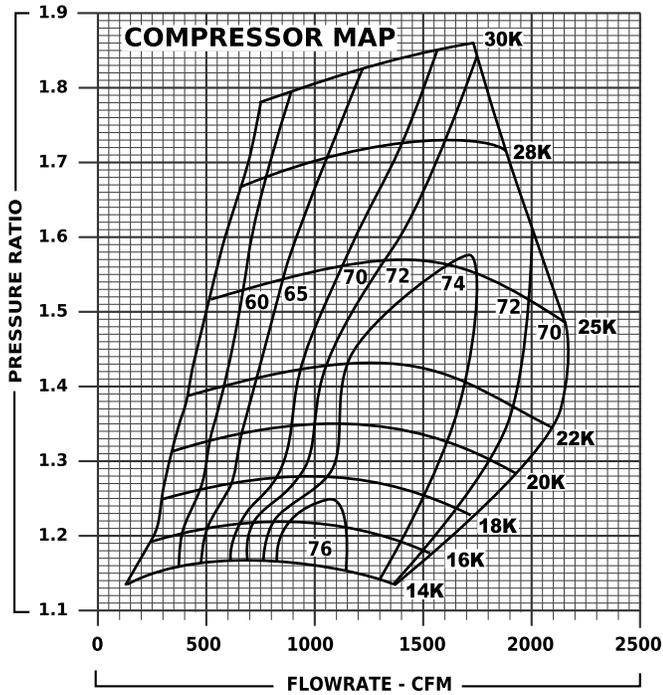
**Highest Efficiency**

Each model is aerodynamically optimized to attain the best efficiency possible. Nothing can match the performance of an AirPower blower at a lower energy cost.

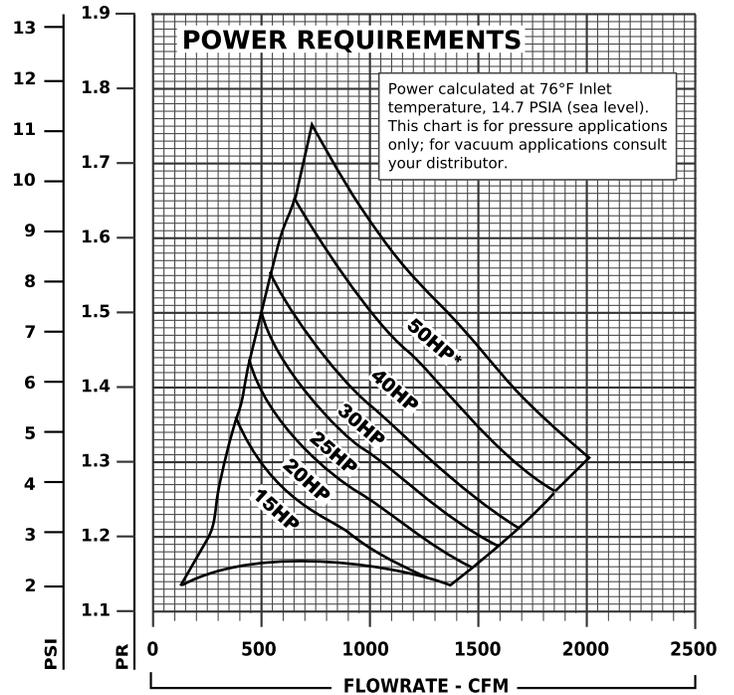


Impeller: Optimized inducer blading with splitter, radial discharge.

## PERFORMANCE MAPS



Data corrected to SAE Standard J-1723 (29.23 IN HgA, 527°R)



\*50 HP Systems are currently unavailable.

## DIMENSIONS

MOTOR SERIES	STANDARD MOUNTS			ISOLATION MOUNTS			AG	A	B	C	Wt(lbs)
	OAH	INLET	OUTLET	OAH	INLET	OUTLET					
254TC (15 HP)	29.805	21.75	27.695	30.3675	22-5/16	28.2575		4-7/8	12.5	8.5	
256TC (20 HP)	29.805	21.75	27.695	30.3675	22-5/16	28.2575		5.75	12.5	8.5	
284TC (25 HP)	31.425	23.37	29.315	31.425	23.37	29.315		6.25	11	8.5	
286TC (30, 40 HP)	31.425	23.37	29.315	31.425	23.37	29.315		6.25	11	8.5	

