APPLICATION

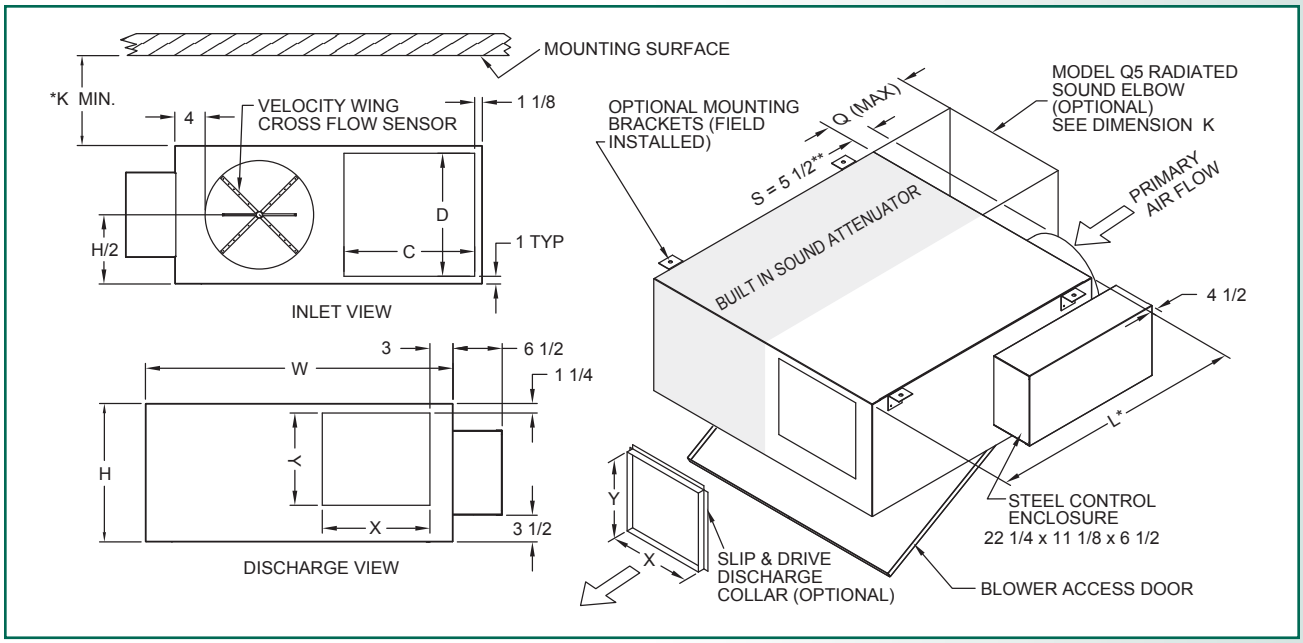
- Series type fan assisted air terminals with reduced operating costs by up to 65% over conventional PSC motor driven fan terminals means fast payback period.
- Maintain space temperature with constant air flow level to the space throughout the operating range for high levels of thermal comfort. Fan airflows can be remotely adjusted to meet seasonal needs.
- Energy reclamation from warmer ceiling plenum during heating cycles.
- Improved air quality with high levels of air motion for significant occupant comfort.
- Control strategies using pneumatic, analog, or direct digital control (DDC) systems.
- Complete air terminal remote control including fan flows when used with DDC systems.

FEATURES

- Electronically Commutated Motors (ECMs) using brushless DC motor technology for energy reductions up to 65% as compared to PSC motors. 120, 240 or 277 VAC, 1ø.
- Easy to install and service – all controls located in one convenient location for single point electrical connection. Motor electronics can be replaced without removing the motor from the fan assembly.
- Four models provide required horsepower ranges for optimizing energy savings
- Ultra-Quiet, 18 & 20 gauge steel design for rigidity and demanding noise criteria specifications. Standard terminal includes an acoustical attenuator – not an "add on" accessory!!
- 1" dual density thermal / acoustic internal insulation (NFPA 90A & UL 181)
- AHRI 880 certified performance / ETL listed
- Factory Programmed - pressure independent fan flow means Fan CFM can be reliably preset – a significant reduction in field labor to balance and adjust the "system", without accessing the ceiling plenum.
- ECMs and stored programs are unaffected by power irregularities such as short interruptions or under-voltage conditions.
- Flow curves attached to each terminal for both the inlet sensor and motor.
- Intelligent fan motor circuitry for remote fan flow control via DDC systems (BMS).
- A-Pulse speed controllers with various features to meet specific project requirements may include visual LED flow indicators, inputs, outputs, and RPM feedback loops.
- Backward fan rotation issues related to start-up sequencing is eliminated.
- Swing-down fan access panel
- Steel control enclosure, screw attached cover. Left hand position is standard.
- 90° inlet damper & perimeter seal limiting leakage to <1% of max rated flow at 3" w.g. inlet static pressure.
- Patented Velocity Wing primary flow sensor measures flow to ±5% accuracy regardless of inlet conditions. Highest velocity pressure amplification means high turn down with high accuracy.
- Accepts flanged discharge duct connection

OPTIONS & ACCESSORIES

- A-Pulse fan flow controller choice:
  - Manual flow adjustment with screwdriver ,On-Off control, and flow indicating lamp
  - 0-10 vdc input from DDC controller, On-Off control, and flow indicating lamp
  - Manual digital control unit with two ten digit rotary switches
  - Manual selection of 4 factory pre-programmed flow rates, jumper or switch selected.
- 1" Throw-Away Induction Filter
- Internal liners including: Foil laminated, fiber free insulation; dual wall construction; low temperature applications, see page A-11.
- Model Q5 radiated sound elbow
- Pneumatic, Analog, or Direct Digital control packages
- Unit mounting brackets (field installed)
- Hinged front control enclosure cover
- Slip & drive cleat discharge collar
- Electrical component options – line voltage disconnect switch, power fusing, electric damper actuator (24vac) for use with DDC controls, 24vac step down transformer
- Digital, analog, or pneumatic control systems



Model Number ESTS	Motor H.P.	Nominal Inlet Diameter	Height H	Width W	Length L	Min. K	Discharge		Induction		Q	Est. Wt.
							X	Y	C	D		LB
3306, 3307, 3308 3309, 3310	1/3	6, 7, 8, 9, 10	18	32	36	6	11 1/2	11	12	16	18	124
5006, 5007, 5008, 5009 5010, 5012, 5014	1/2	6, 7, 8, 9 10, 12, 14	18	40	40	6	14	12	17	16	18	139
7507, 7508, 7509 7510, 7512, 7514	3/4	7, 8, 9 10, 12, 14	20	48	48	8	19	16	21	18	20	187
1009, 1010, 1012 1014, 1016	1	9, 10, 12 14, 16	20	48	48	8	19	16	21	18	20	191