

SUBMITTAL SHEET

www.anemostat-hvac.com

Energy Smart Fan Terminal
with Sensible Cooling Coil for
Dedicated Outdoor Air Systems (DOAS)

BASIC ASSEMBLY

STANDARD FEATURES & OPTIONS

Construction

- ETL listed assembly
- Discharge / outlet accepts flanged discharge duct connection
- Casing / Cabinet is rigid 20 gauge zinc-coated steel
- Integral sound attenuator
- Swing-down blower access panel (6" vertical clearance for removal, 30" for 90 degree swing)
- Steel control enclosure NEMA 1 type with removable cover, screw attached. Optional: Hinged front cover
- 1" Dual-density fiberglass insulation (NFPA 90 A & UL 181). Optional: 1" Foil Faced 3/8" Closed Cell Foam 1" Closed Cell Foam
 Dual Wall (22 ga inner wall, 1/2" internal insulation) Lo-Temp (1" fiberglass insulation)
- 90° Outside air damper with leak resistant perimeter seal limiting leakage to <1% of maximum rated flow @ 3" wg inlet static pressure
- Multi-Point center averaging Velocity Wing cross air flow sensor for accuracy to ± 5% of design flow. Optional: Flow taps / tees in H&L tubes
- Terminal accepts a flanged discharge duct connection. Optional: Slip & Drive discharge collar
- Control enclosure location can be Left Hand (LH) (as shown) or Right Hand (RH)

Electrical

- Single point electrical connection
- High efficiency, energy saving EC motor: 120vac,1Ø 208 vac,1Ø 240vac,1Ø 277vac,1Ø
- Solid state motor controller for stand-alone operation or BAS integration. See Technical Bulletin TB-019 Rev B.

Induction Sensible Cooling Coil

- 2-Pipe Sensible cooling (non-condensing) / heating water coil on induction port (2,4,6, or 8 rows). Optional: 4-Pipe
- AHRI 410 certified performance rated
- Core consists of 1/2" OD copper tubes with min .016" wall thickness mechanically expanded in aluminum fins (minimum of 10 fins / inch)
- Connections consist of 7/8" OD male solder/sweat headers
- Prior to shipment, each coil is factory pressure tested for leaks with dry nitrogen to 500 psi
- Working pressure up to 400 psi. Maximum temperature = 200° F
- Actual header connection locations vary with size and circuitry. Vents & drains are field supplied and installed.

Control System

- Control system: Field installed controls Factory mounted and wired
- Controls provided by: Anemostat Controls Contractor

Optional Accessories

- Air filters (Throw-away type) & filter track: 1" Thick 2" Thick <Merv 4 Merv 8 Merv 13
- Unit mounting brackets (4) - field installed
- Slip & Drive (S&D) discharge collar
- Drip Pan - field installed
- Disconnect switch (toggle), line voltage
- 24vac Transformer, 40va (Class 2 Inherently Limiting)
- Power fusing - blocks & fuses
- Fan relay, 24vac (fan stop-start)
- Outside air damper actuator, 24vac electric, 3-wire tri-state

JOB NAME:

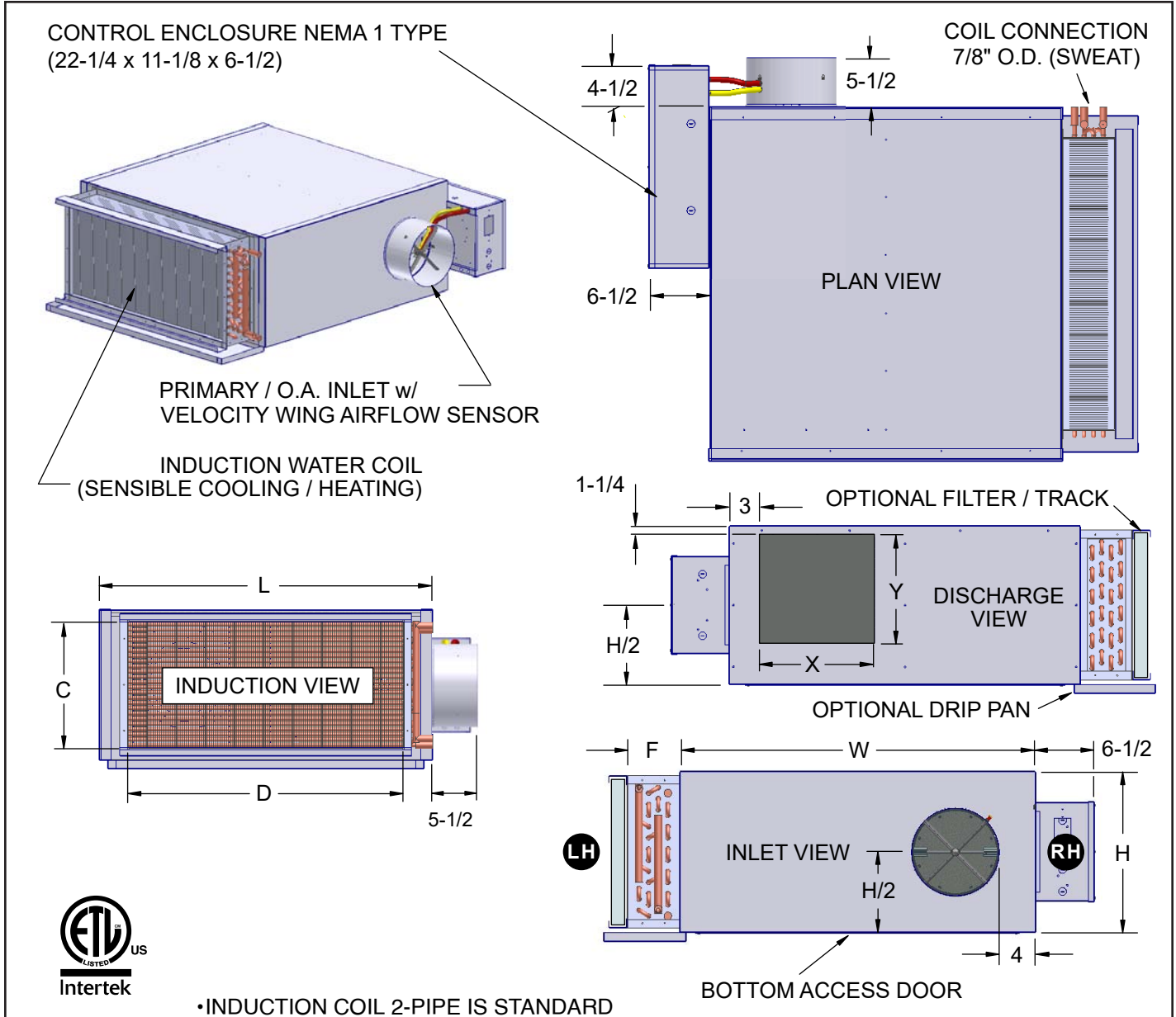
SUBMITTED BY:

SUBMITTAL SHEET

www.anemostat-hvac.com

with Sensible Cooling Coil for Dedicated Outdoor Air Systems (DOAS)

BASIC ASSEMBLY
RIGHT HAND CONTROLS



•INDUCTION COIL 2-PIPE IS STANDARD

All dimensions are in inches.

| Unit Size | Motor H.P. | Outside Air Inlet Dia | Height H | Width W | Length L | Induction Coil (Sensible Cooling / Heating) | | | | | | | | | |
|-----------|------------|-------------------------------|----------|---------|----------|---|----|-----------|----|-------|-------------|-------|-------------|-------|-------------|
| | | | | | | Discharge Duct | | Induction | | 2 Row | | 4 Row | | 6 Row | |
| | | | | | | X | Y | C | D | F | Weight, lbs | F | Weight, lbs | F | Weight, lbs |
| 17 | 1/6 | 5, 6, 7, 8, 9, 10 | 18 | 32 | 36 | 11-1/2 | 11 | 15 | 31 | 4 | 146 | 6 | 167 | 8 | 187 |
| 33 | 1/3 | 5, 6, 7, 8, 9, 10 | 18 | 32 | 36 | 11-1/2 | 11 | 15 | 31 | 4 | 153 | 6 | 174 | 8 | 194 |
| 50 | 1/2 | 5, 6, 7, 8, 9, 10, 12, 14 | 18 | 40 | 40 | 14 | 12 | 15 | 35 | 4 | 171 | 6 | 194 | 8 | 211 |
| 75 | 3/4 | 5, 6, 7, 8, 9, 10, 12, 14 | 20 | 48 | 48 | 19 | 16 | 17-1/2 | 43 | 4 | 229 | 6 | 262 | 8 | 293 |
| 10 | 1 | 5, 6, 7, 8, 9, 10, 12, 14, 16 | 20 | 48 | 48 | 19 | 16 | 17-1/2 | 43 | 4 | 233 | 6 | 266 | 8 | 297 |

Weights are estimated totals and include coil fluid weight. Weights will vary with options & controls installed.

JOB NAME:

SUBMITTED BY:



SUBMITTAL SHEET

www.anemostat-hvac.com

Model **ESTS**

Energy Smart Fan Terminal

with Sensible Cooling Coil for Dedicated Outdoor Air Systems (DOAS)

BASIC ASSEMBLY

RIGHT HAND CONTROLS

| | |
|---|----------------------|
| STANDARD FEATURES & OPTIONS | |
| <u>Construction</u> | |
| <ul style="list-style-type: none"> •ETL listed assembly •Discharge / outlet accepts flanged discharge duct connection •Casing / Cabinet is rigid 20 gauge zinc-coated steel •Integral sound attenuator •Swing-down blower access panel (6" vertical clearance for removal, 30" for 90 degree swing) •Steel control enclosure NEMA 1 type with removable cover, screw attached. Optional: <input type="checkbox"/> Hinged front cover •1" Dual-density fiberglass insulation (NFPA 90 A & UL 181). Optional: <input type="checkbox"/> 1" Foil Faced <input type="checkbox"/> 3/8" Closed Cell Foam <input type="checkbox"/> 1" Closed Cell Foam <input type="checkbox"/> Dual Wall (22 ga inner wall, 1/2" internal insulation) <input type="checkbox"/> Lo-Temp (1" fiberglass insulation) •90° Outside air damper with leak resistant perimeter seal limiting leakage to <1% of maximum rated flow @ 3" wg inlet static pressure •Multi-Point center averaging Velocity Wing cross air flow sensor for accuracy to ± 5% of design flow. Optional: <input type="checkbox"/> Flow taps / tees in H&L tubes •Terminal accepts a flanged discharge duct connection. Optional: <input type="checkbox"/> Slip & Drive discharge collar •Control enclosure location can be Right Hand (RH) (as shown) or Left Hand (LH) | |
| <u>Electrical</u> | |
| <ul style="list-style-type: none"> •Single point electrical connection •High efficiency, energy saving EC motor: <input type="checkbox"/> 120vac,1Ø <input type="checkbox"/> 208 vac,1Ø <input type="checkbox"/> 240vac,1Ø <input type="checkbox"/> 277vac,1Ø •Solid state motor controller for stand-alone operation or BAS integration. See Technical Bulletin TB-019 Rev B. | |
| <u>Induction Sensible Cooling Coil</u> | |
| <ul style="list-style-type: none"> •2-Pipe Sensible cooling (non-condensing) / heating water coil on induction port (2,4,6, or 8 rows). Optional: <input type="checkbox"/> 4-Pipe •AHRI 410 certified performance rated •Core consists of 1/2" OD copper tubes with min .016" wall thickness mechanically expanded in aluminum fins (minimum of 10 fins / inch) •Connections consist of 7/8" OD male solder/sweat headers •Prior to shipment, each coil is factory pressure tested for leaks with dry nitrogen to 500 psi •Working pressure up to 400 psi. Maximum temperature = 200° F •Actual header connection locations vary with size and circuitry. Vents & drains are field supplied and installed. | |
| <u>Control System</u> | |
| <ul style="list-style-type: none"> •Control system: <input type="checkbox"/> Field installed controls <input type="checkbox"/> Factory mounted and wired •Controls provided by: <input type="checkbox"/> Anemostat <input type="checkbox"/> Controls Contractor | |
| <u>Optional Accessories</u> | |
| <ul style="list-style-type: none"> •Air filters (Throw-away type) & filter track: <input type="checkbox"/> 1" Thick <input type="checkbox"/> 2" Thick <input type="checkbox"/> <Merv 4 <input type="checkbox"/> Merv 8 <input type="checkbox"/> Merv 13 <input type="checkbox"/> Unit mounting brackets (4) - field installed <input type="checkbox"/> Slip & Drive (S&D) discharge collar <input type="checkbox"/> Drip Pan - field installed <input type="checkbox"/> Disconnect switch (toggle), line voltage <input type="checkbox"/> 24vac Transformer, 40va (Class 2 Inherently Limiting) <input type="checkbox"/> Power fusing - blocks & fuses <input type="checkbox"/> Fan relay, 24vac (fan stop-start) <input type="checkbox"/> Outside air damper actuator, 24vac electric, 3-wire tri-state | |
| JOB NAME: | SUBMITTED BY: |