

SUBMITTAL SHEET

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Model QSTE

SERIES FAN POWERED AIR TERMINAL

INTEGRAL ELECTRIC HEAT

LEFT HAND CONTROLS

PRODUCT FEATURES	
AHRI 880 certified / ETL listed (UL 1995).	Accepts flanged discharge duct connection.
Integral sound attenuator.	 Left hand (LH) control and heater cabinet position.
Optional: Q5 Induction Port Sound Elbow	• Electric coil includes: Nickel-chrome resistance wire, auto reset primary
Single point electrical connection.	thermal cutout, manual reset secondary thermal cut-out (load carrying), fan
 Swing-down blower access panel (6" vertical clearance for removal, 30" for 90 degree swing) 	interlock relay (proof of flow), unfused 24vac Class II transformer as required, PE switch or magnetic de-energizing contactor per step.
• LH Steel control enclosure Screw attached cover Hinged front cover	Optional: Supply Power ☐ 120v,1ø ☐ 208v,1ø ☐ 240v,1ø ☐ 277v,1ø
• 3 speed permanent split capacitor motor with thermal overload protection.	☐ 208v,3ø ☐ 480v,3ø (4 wire WYE standard)
Solid state speed controller with minimum voltage stop.	☐ Door interlocking disconnect switch, non-fused
Rigid 20 gauge zinc-coated steel construction.	Power fusing (fuses & fuse blocks)
• 1" dual density insulation (NFPA 90A & UL 181).	Proof of air flow
Optional:	☐ Fan interlock
☐ 1/2" ☐ 1" foil-faced glass fiber insulation	Air flow switch
- metal taped edges (ASTM C665)	SSR modulating controller
☐ Double wall construction (22 gauge steel & 1/2" insulation is standard)	Optional Accessories:
☐ Lo-Temp casing construction (1" Insulation is standard)	Throw-away filter/filter rack: \[\] 1" \[\] 2" \[\] 4" \[\] <merv4 \[="" \]="" merv13<="" merv8="" td=""></merv4>
☐ 3/8" fiber-less closed cell foam insulation (NFPA255, UL181)	Unit mounting brackets (field installed)
☐ No insulation	Fan relay, 24vac (for use with DDC controls)
• 90° inlet damper with leak resistant perimeter seal limiting leakage to <1% of	☐ Electric actuator, 24vac 3-wire tri-state
max rated flow at 3" w.g. inlet static pressure.	Control System Digital
Multi-Point center averaging Velocity Wing air flow sensor for accuracy to ±	Control Package
5% of design flow.	Control Fackage Field Installed Controls
Optional flow taps / balancing tees in sensor H & L lines.	
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MOUNTING SURFACE INSTALL	
*K MIN. 1-1/8	ELBOW (SEE DIM K)
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	L* S = 5-1/2** ES PRIMATOR PRIMATION
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	1,5001
H INLET VIEW RH 1 TYP	BUILT IN 4-1/2
CH INLEI VIEW RIT	4-1/2
_1-1/4	
	CONTROL ENCLOSURE
BLOWER ASSY—	(22-1/4 X 11-1/8 X 6-1/2)
H ACCESS DOOR	
	. N I PANIII Y //

All dimensions are in inches.

JOB NAME:

DISCHARGE VIEW

Model QSTE		Height	Width Length	Min.	Discharge		Induction			Est. Wt.		
Unit Size	H.P.	Diameter	H	W	L	K	Х	Υ	С	D	Q	LB
17	1/6	5,6,7,8	18	32	36	6	11-1/2	11	12	16	18	142
25	1/4	8,9,10	18	32	36	6	11-1/2	11	12	16	18	146
50	1/2	9,10,12,14	18	40	40	6	14	12	17	16	18	162
75	3/4	10,12,14	20	48	48	8	19	16	21	18	20	217
10	1	12,14,16	20	48	48	8	19	16	21	18	20	224





Notes:

ELECTRIC HEATER HINGED ACCESS DOOR

> Weights are an estimation and will vary based on selection options, insulation type, etc.

HEAT SINK (PROP SSR CONTROL ONLY)

- Add 1" to L dimension and **reduce dimension S to 4 1/2" for double wall and low temperature option.
- * K dimension required with optional Q5 sound elbow

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SUBMITTAL SHEET

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Model QSTE SERIES FAN POWERED AIR TERMINAL

INTEGRAL ELECTRIC HEAT

RIGHT HAND CONTROLS

PRODUCT FEATURES	
AHRI 880 certified / ETL listed (UL 1995).	Accepts flanged discharge duct connection.
• Integral sound attenuator.	Right Hand (RH) control and heater cabinet position.
Optional: Q5 Induction Port Sound Elbow	Electric coil includes: Nickel-chrome resistance wire, auto reset primary
Single point electrical connection.	thermal cutout, manual reset secondary thermal cut-out (load carrying), fan
Swing-down blower access panel (6" vertical clearance for removal, 30" for 90	interlock relay (proof of flow), unfused 24vac Class II transformer as required, PE
	switch or magnetic de-energizing contactor per step.
degree swing)	
• RH Steel control enclosure ☐ Screw attached cover ☐ Hinged front cover	Optional: Supply Power ☐ 120v,1ø ☐ 208v,1ø ☐ 240v,1ø ☐ 277v,1ø
 3 speed permanent split capacitor motor with thermal overload protection. 	☐ 208v,3ø ☐ 480v,3ø (4 wire WYE standard)
 Solid state speed controller with minimum voltage stop. 	☐ Door interlocking disconnect switch, non-fused
Rigid 20 gauge zinc-coated steel construction.	☐ Power fusing (fuses & fuse blocks)
• 1" dual density insulation (NFPA 90A & UL 181).	Proof of air flow
Optional:	☐ Fan interlock
☐ 1/2" ☐ 1" foil-faced glass fiber insulation	☐ Air flow switch
- metal taped edges (ASTM C665)	SSR modulating controller
☐ Double wall construction (22 gauge steel & 1/2" insulation is standard)	•
Lo-Temp casing construction (1" Insulation is standard)	Optional Accessories: The Control of the
_ ' '	Throw-away filter/filter rack: 1" 2" 4" <merv4 merv13<="" merv8="" td=""></merv4>
☐ 3/8" fiber-less closed cell foam insulation (NFPA255, UL181)	Unit mounting brackets (field installed)
No insulation	Fan relay, 24vac (for use with DDC controls)
 90° inlet damper with leak resistant perimeter seal limiting leakage to <1% of 	☐ Electric actuator, 24vac 3-wire tri-state
max rated flow at 3" w.g. inlet static pressure.	Control System ☐ Digital ☐ Electronic Analog ☐ None - No Controls
 Multi-Point center averaging Velocity Wing air flow sensor for accuracy to ± 	Control Package Field Installed Controls
5% of design flow.	
Optional flow taps / balancing tees in sensor H & L lines.	
	AL MODEL Q5 RADIATED
	ELBOW (SEE DIM K)
MOUNTING SURFACE	
	OPTIONAL MOUNTING BRACKETS (FIELD INSTALLED) 7
1-1/8 4 *K MIN.	
	PAIMARY SUILTINGS SIZY
	ON They
	SULT NSOLNO ATTENUATOR
H/2	
4-1/2	
LH INLET VIEW RH	
1-1/4 —	
<u> </u>	8
© CONTROL E	NCLOSURE BLOWER ASSY
H (22-1/4 X 11-	
(22-1/4 × 11-	NOOLSS BOOM
3 - Y - 3/4 TVP	
 3 3/4 TVP	

All dimensions are in inches.

JOB NAME:

DISCHARGE VIEW

Model QSTE		Height	ght Width	Length	Min.	Discharge		Induction			Est. Wt.	
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- * K dimension required with optional Q5 sound elbow

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ELECTRIC HEATER HINGED ACCESS DOOR

HEAT SINK (PROP SSR CONTROL ONLY)