HT180 Indirect Fired Powered Heating

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Moffitt
NATURAL VENTILATION SOLUTIONS

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HT180 Indirect Gas-Fired Product Details

PRODUCT DESCRIPTION

The Moffitt HT180 Indirect Gas-Fired Heater utilizes destratification to eliminate stagnant air in heated buildings with open spaces. It does this by recirculating the hot air that is otherwise trapped at the ceiling throughout the space. By removing colder layers at the floor level, which maintain the thermal barrier, the building can be warmed up.

Large volume air movement turns the room air over 1 to 5 times each hour. Continuous air circulation then thoroughly mixes the air to maintain uniform room temperature. This uniform room temperature eliminates the possibility of condensation forming on stored materials. Cold air from open doors in shipping and receiving areas becomes less of a problem with an Air Turnover unit and temperature recovery is almost instantaneous after doors are close.

STANDARD FEATURES

- CFM Range: 7,000-150,000
- Burner Range: 350,000 BTUH to 6,000,000 BTUH
- Heavy Gauge, Mill-Finish Galvanized Construction
- High Efficiency Airfoil Propellers
- Heavy-Duty V-Belt Drive
- 460 Volt/60 Cycle/ 3-Phase Totally Enclosed Fan-Cooled Motors
- Motor Starter and Disconnect Switches
- Temperature Process Controller and High Temperature Limit
- 430 Stainless Steel Burn Chamber and Aluminum Steel Heat Exchanger
- Natural Gas-Fired, Pre-Piped U.L. gas Train and Burner Assembly
- 14" Diameter Flue Opening
- CFM Range: 7,000-150,000
- Burner Range: 350,000 to 6,000,000
- High Efficiency Airfoil Propellers
- Heavy-Duty V-Belt Drive
- Motor Starter and Disconnect Switches
- Heavy Gauge, Mill-Finish Galvanized Exterior
- 460 Volt/60 Cycle/ 3-Phase Enclosed Fan-Cooled Motors

OPTIONAL FEATURES

- Alternate arrangement:
  - One factory mounted damper for 0-25% control w/ two position modulating motor(s)
  - Two factory mounted mixing dampers for 0-100% control w/ two position modulating motor(s)
- Clogged filter switch and indicator light
- Discharge plenum with four side screens
- V-Bank filter section with nominal 2" thick cleanable filters
- Discharge plenum extension
- Propeller fan motor options: Six bladed, High Efficiency, etc.
- High gas pressure regulator (shipped loose for inlet pressures over 1 PSIG)
- Four sided flat bank permanent filters for filtering 100% return air
- Disconnect switch
- Painted galvanized casing
- Remote Control Panel
- Night set back thermostat
- Electronic time clock
- Time freeze protection
- Smoke detector
- Mixing Damper control
  - Mixed air temperature controller
  - Manual potentiometer
  - Pressure Control System

PRODUCT BENEFITS

- Works with a Natural Ventilation or Pressure Gravity System®
- Cold Weather protection damper is default

HT180 Air Delivery - Performance Table

1. Base unit priced by motor HP for each model.
2. Typical amps shown are based on 460V power supply. For 230V power supply, multiply above amps x 2.0. For 208V power supply, multiply above amps x 2.2.
3. Upper number indicates lowest full output and bottom number indicates maximum full output available for each model.
4. Indicates temperature rise for outputs at CFM shown. Order stainless steel heat exchangers when 30% or more of winter outside air is introduced, or temperature rise at min. firing rate is below 10°F.

HT180 MODEL- (1)	SCFM	FAN NO. & SIZE (INCHES)	FAN MOTORS- QTY @ HP/TOTAL AMP DRAW (2)				HIGH FIRE OUTPUT (MIN)	AIR TEMP RISE (4)	
			STANDARD ARRANGEMENT		ALTERNATE ARRANGEMENT		HIGH FIRE OUTPUT (MAX) (3)		
			W/O FILTERS	W/FLAT FILTERS	W/O FILTERS	W/V-BANK FILTERS			
75/40	6600	1-30	1@1.5/2.6	1@1.5/2.6	1@1.5/2.6	2@2.0/3.4	350,000 400,000	49	56
	7400	2-30	2@0.5/2.0	2@.75/2.8	2@.75/2.8	2@1.0/3.6		44	50
	8100		2@0.5/2.0	2@1.0/3.6	2@.75/2.8	2@1.0/3.6		40	46
75/55	9100	2-30	2@.75/2.8	2@1.0/3.6	2@.75/2.8	2@1.5/5.2	450,000 550,000	46	56
	10100		2@.75/2.8	2@1.5/5.2	2@1.0/3.6	2@1.5/5.2		41	50
	11100		2@1.0/3.6	2@1.5/5.2	2@1.5/5.2	2@2.0/6.8		37	46
100/55	12400	2-30	2@1.0/3.6	2@1.5/5.2	2@1.5/5.2	2@2.0/6.8	450,000 550,000	33	41
	13800		2@1.0/3.6	2@2.0/6.8	2@1.5/5.2	2@3.0/9.6		30	37
	15200		2@1.5/5.2	2@2.0/6.8	2@1.5/5.2	2@3.0/9.6		27	33
100/75	12400	2-30	2@1.0/3.6	2@1.5/5.2	2@1.5/5.2	2@2.0/6.8	650,000 750,000	48	56
	13800		2@1.0/3.6	2@2.0/6.8	2@1.5/5.2	2@3.0/9.6		43	50
	15200		2@1.5/5.2	2@2.0/6.8	2@1.5/5.2	2@3.0/9.6		39	45
125/75	16600	2-36	2@1.5/5.2	2@2.0/6.8	2@2.0/6.8	2@3.0/9.6	650,000 750,000	36	42
	18500		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@3.0/9.6		32	37
	20400		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@5.0/15.2		29	34
125/100	16600	2-36	2@1.5/5.2	2@2.0/6.8	2@2.0/6.8	2@3.0/9.6	850,000 1,000,000	47	56
	18500		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@3.0/9.6		42	50
	20400		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@5.0/15.2		38	45
175/75	22000	2-42	2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@3.0/9.6	650,000 750,000	27	31
	24500		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@5.0/15.2		24	28
	27000		2@2.0/6.8	2@3.0/9.6	2@3.0/9.6	2@5.0/15.2		22	26
175/100	22000	2-42	2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@3.0/9.6	850,000 1,000,000	36	42
	24500		2@1.5/5.2	2@3.0/9.6	2@2.0/6.8	2@5.0/15.2		32	38
	27000		2@2.0/6.8	2@3.0/9.6	2@3.0/9.6	2@5.0/15.2		29	34
200/100	29200	2-42	2@2.0/6.8	2@3.0/9.6	2@3.0/9.6	2@5.0/15.2	850,000 1,000,000	27	32
	32500		2@2.0/6.8	2@5.0/15.2	2@3.0/9.6	2@5.0/15.2		24	28
	35800		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@5.0/15.2		22	26
200/175	29200	2-42	2@2.0/6.8	2@3.0/9.6	2@3.0/9.6	2@5.0/15.2	1,250,000 1,750,000	39	55
	32500		2@2.0/6.8	2@5.0/15.2	2@3.0/9.6	2@5.0/15.2		35	50
	35800		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@5.0/15.2		32	45
250/100	35100	2-48	2@3.0/9.6	2@5.0/15.2	2@3.0/9.6	2@5.0/15.2	850,000 1,000,000	22	26
	39000		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0		20	24
	42900		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0		18	21

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HT180 Air Delivery - Performance Table

1. Base unit priced by motor HP for each model.
2. Typical amps shown are based on 460V power supply. For 230V power supply, multiply above amps x 2.0. For 208V power supply, multiply above amps x 2.2.
3. Upper number indicates lowest full output and bottom number indicates maximum full output available for each model.
4. Indicates temperature rise for outputs at CFM shown. Order stainless steel heat exchangers when 30% or more of winter outside air is introduced, or temperature rise at min. firing rate is below 10°F.

HT180 MODEL-(1)	SCFM	FAN NO. & SIZE (INCHES)	FAN MOTORS- QTY @ HP/TOTAL AMP DRAW (2)				HIGH FIRE OUTPUT (MIN)	AIR TEMP RISE (4)	
			STANDARD		ALTERNATE		HIGH FIRE OUTPUT (MAX) (3)		
			W/O FILTERS	W/FLAT FILTERS	W/O FILTERS	W/V-BANK FILTERS			
250/175	35100	2-48	2@3.0/9.6	2@5.0/15.2	2@3.0/9.6	2@5.0/15.2	1,250,000	33	46
	39000		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0	1,750,000	30	41
	42900		2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0		27	38
300/175	41400	2-48	2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0	1,250,000	28	39
	46000		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0	1,750,000	25	35
	49000		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0		24	33
300/250	41400	2-48	2@3.0/9.6	2@5.0/15.2	2@5.0/15.2	2@7.5/22.0	2,000,000	45	56
	46000		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0	2,500,000	40	50
	49000		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0		38	47
400/250	51000	2-54	2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0	2,000,000	36	45
	55500		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@10.0/28	2,500,000	33	42
	61000		2@5.0/15.2	2@7.5/22.0	2@7.5/22.0	2@10.0/28		30	38
400/300	51000	2-54	2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@7.5/22.0	2,750,000	50	54
	55500		2@5.0/15.2	2@7.5/22.0	2@5.0/15.2	2@10.0/28	3,000,000	46	50
	61000		2@5.0/15.2	2@7.5/22.0	2@7.5/22.0	2@10.0/28		42	45
600/300	66600	2-60	2@5.0/15.2	2@10.0/28	2@7.5/22.0	2@15.0/42	2,750,000	38	42
	74000		2@7.5/22.0	2@10.0/28	2@10.0/28	2@15.0/42	3,000,000	34	37
	81400		2@7.5/22.0	2@15.0/42	2@10.0/28	2@15.0/42		31	34
600/400	66600	2-60	2@5.0/15.2	2@10.0/28	2@7.5/22.0	2@15.0/42	3,250,000	45	55
	74000		2@7.5/22.0	2@10.0/28	2@10.0/28	2@15.0/42	4,000,000	40	50
	81400		2@7.5/22.0	2@15.0/42	2@10.0/28	2@15.0/42		37	45
600S/400	83200	2-60	2@7.5/22.0	2@15.0/42	2@10.0/28	2@15.0/42	3,250,000	36	44
	92500		2@10.0/28	2@15.0/42	2@15.0/42	2@15.0/42	4,000,000	32	40
	100000		2@15.0/42	2@15.0/42	2@15.0/42	2@15.0/42		30	37
600S/600	83200	2-60	2@7.5/22.0	2@15.0/42	2@10.0/28	2@15.0/42	4,500,000	50	66
	92500		2@10.0/28	2@15.0/42	2@15.0/42	2@15.0/42	6,000,000	45	60
	100000		2@15.0/42	2@15.0/42	2@15.0/42	2@15.0/42		41	55
600SS/400	123000	3-60	3@7.5/33	NA	3@15.0/42	3@15.0/63	3,250,000	24	30
	136500		3@10.0/42	NA	3@15.0/63	3@15.0/63	4,000,000	22	27
	150000		3@15.0/63	NA	3@15.0/63	3@15.0/63		20	25
600SS/600	123000	3-60	3@7.5/33	NA	3@15.0/42	3@15.0/63	4,500,000	34	45
	136500		3@10.0/42	NA	3@15.0/63	3@15.0/63	6,000,000	30	41
	150000		3@15.0/63	NA	3@15.0/63	3@15.0/63		28	37

HT180 Performance Table

HT180 Model (1)	SCFM	High Fire Output (MIN) High Fire Output (MAX) (2)	Draft Inducer HP/AMP Draw (3), (4)	Burner Motor HP/AMP Draw (3), (4)	Pipe Size (Inches) (5)	Min. Stack Size (Inches)	Flat Bank Filters	V-Bank Filters
75/40	6600 7400 8100	350,000 400,000	.33/1.65	.25/1.65	1	8	14 16 x 25 x 2	12 20 x 20 x 2
75/55	9100 10100 11100	450,000 550,000	.33/1.65	.25/1.65	1	8	14 16 x 25 x 2	12 20 x 20 x 2
100/55	12400 13800 15200	450,000 550,000	.33/1.65	.251/1.65	1	8	22 16 x 20 x 2	16 20 x 20 x 2
100/75	12400 13800 15200	650,000 750,000	.50/2.2	.33/2.2	1 1/4	10	22 16 x 20 x 2	16 20 x 20 x 2
125/75	16600 18500 20400	650,000 750,000	.50/2.2	.33/2.2	1 1/4	10	22 16 x 20 x 2	30 20 x 20 x 2
125/100	16600 18500 20400	850,000 1,000,000	.50/2.2	.33/2.2	1 1/2	10	22 16 x 20 x 2	30 20 x 20 x 2
175/75	22000 24500 27000	650,000 750,000	.50/2.2	.33/2.2	1 1/4	10	22 16 x 20 x 2	30 20 x 20 x 2
175/100	22000 24500 27000	850,000 1,000,000	.50/2.2	.33/2.2	1 1/2	10	22 16 x 20 x 2	30 20 x 20 x 2
200/100	29200 32500 35800	850,000 1,000,000	.50/2.2	.33/2.2	1 1/2	10	34 20 x 20 x 2	36 20 x 20 x 2
200/175	29200 32500 35800	1,250,000 1,750,000	2.0/3.4	.33/3.3	1 1/2 2	12	34 20 x 20 x 2	36 20 x 20 x 2
250/100	35100 39000 42900	850,000 1,000,000	.50/2.2	.33/2.2	1 1/2	10	34 20 x 20 x 2	36 20 x 20 x 2

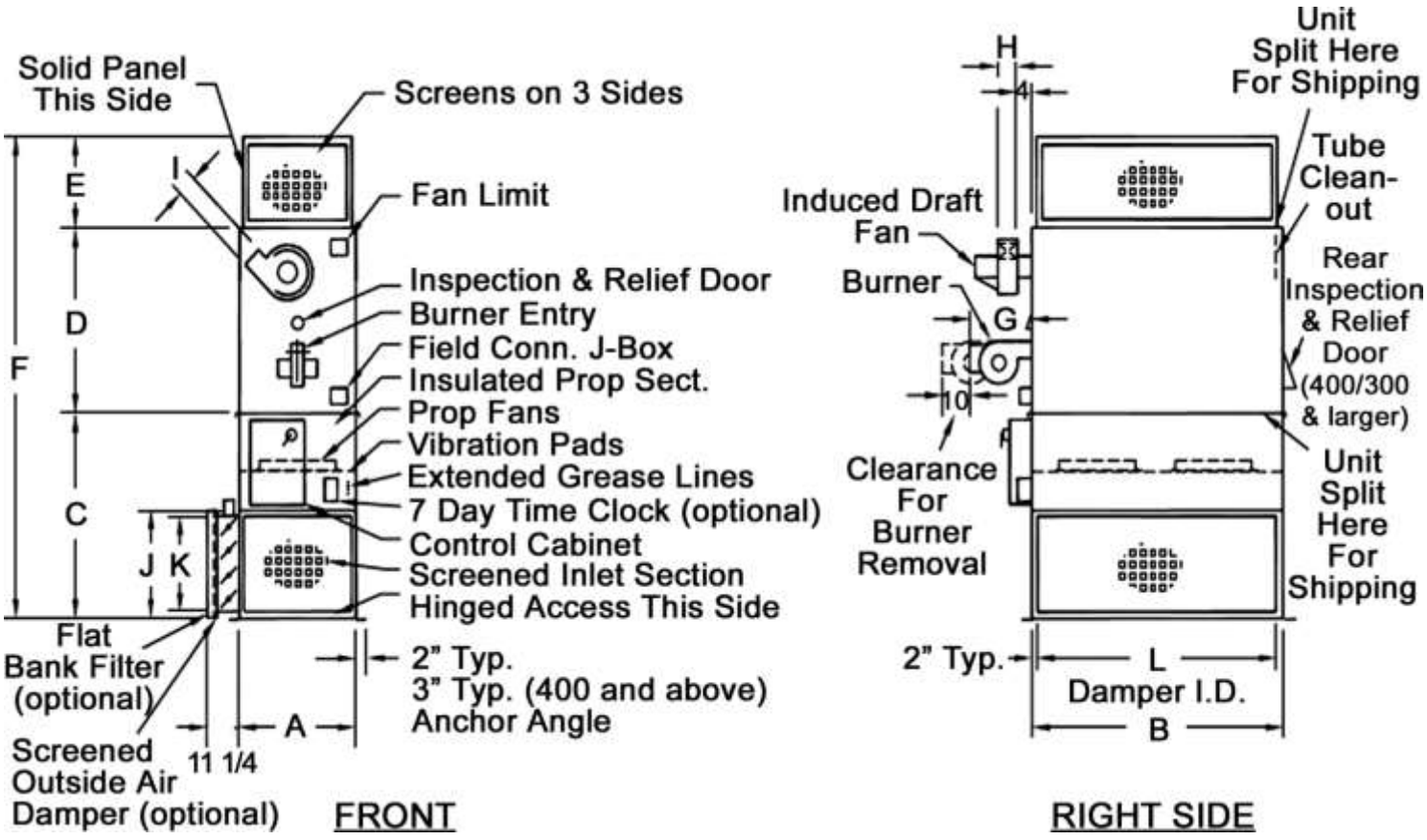
1. Base unit priced by motor HP for each model.
2. Upper number indicates lowest full output and bottom number indicates max. full output available for each model.
3. Typical amps shown are based on 460V power supply. For singe phase motors, the load is based on control transformer sized to handle burner and/or draft inducer motors.
4. For 230V power supply, multiply above amps x 2.0. For 208V power supply, multiply above amps x 2.2.
5. Gas pipe size is based on standard manifold with 8” to 14” W.C. gas pressure.

HT180 Performance Table cont.

HT180 Model (1)	SCFM	High Fire Output (MIN) High Fire Output (MAX) (2)	Draft Inducer HP/AMP Draw (3), (4)	Burner Motor HP/AMP Draw (3), (4)	Pipe Size (Inches) (5)	Min. Stack Size (Inches)	Flat Bank Filters	V-Bank Filters
250/175	35100 39000 42900	1,250,000 1,750,000	2.0/3.4	.33/3.3	1 1/2 2	12	34 20 x 20 x 2	36 20 x 20 x 2
300/175	41400 46000 49000	1,250,000 1,750,000	2.0/3.4	.33/3.3	1 1/2 2	12	38 20 x 25 x 2	49 20 x 20 x 2
300/250	41400 46000 49000	2,000,000 2,500,000	2.0/3.4 5.0/7.6	.75/1.4 1.5/2.6	2 2 1/2	14 16	38 20 x 25 x 2	49 20 x 20 x 2
400/250	51000 55500 61000	2,000,000 2,500,000	2.0/3.4 5.0/7.6	.75/1.4 1.5/2.6	2 2 1/2	14 16	42 20 x 25 x 2	64 20 x 20 x 2
400/300	51000 55500 61000	2,750,000 3,000,000	5.0/7.6	1.5/2.6	2 1/2	16	42 20 x 25 x 2	64 20 x 20 x 2
600/300	66600 74000 81400	2,750,000 3,000,000	5.0/7.6	1.5/2.6	2 1/2	16	50 20 x 25 x 2	90 20 x 25 x 2
600/400	66600 74000 81400	3,250,000 4,000,000	5.0/7.6	1.5/2.6 3.0/4.8	2 1/2 3	16	50 20 x 25 x 2	90 20 x 25 x 2
600S/400	666000 74000 81400	3,250,000 4,000,000	5.0/7.6	1.5/2.6 3.0/4.8	2 1/2 3	16	63 20 x 25 x 2	100 20 x 25 x 2
600S/600	83200 92500 100000	4,500,000 6,000,000	5.0/7.6	3.0/4.8 5.0/7.6	3	16 18	63 20 x 25 x 2	100 20 x 25 x 2
600SS/400	123000 136500 150000	3,250,000 4,000,000	5.0/7.6	1.5/2.6 3.0/4.8	2 1/2 3	16	NA	100 20 x 25 x 2
600SS/600	123000 136500 150000	4,500,000 6,000,000	5.0/7.6	3.0/4.8 5.0/7.6	3	16 18	NA	100 20 x 25 x 2

1. Base unit priced by motor HP for each model.
2. Upper number indicates lowest full output and bottom number indicates maximum full output available for each model.
3. Typical amps shown are based on 460V power supply. For singe phase motors, the load is based on control transformer sized to handle burner and/or draft inducer motors.
4. For 230V power supply, multiply above amps x 2.0. For 208V power supply, multiply above amps x 2.2.
5. Gas pipe size is based on standard manifold with 8” to 14” W.C. gas pressure.

HT180 Basic Unit Dimensions



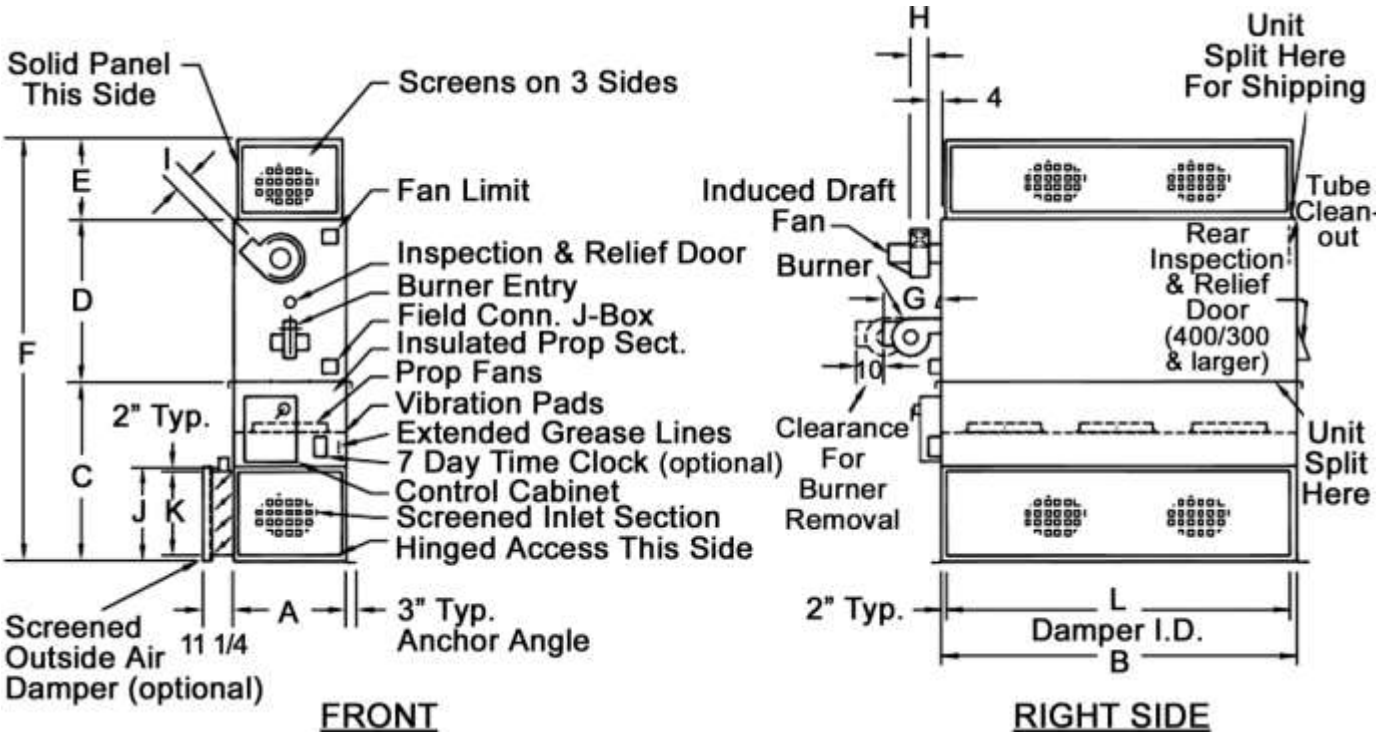
NOTE: On units 200 and above discharge section is shipped knockdown (field assembly by others)

HT180 Basic Unit Dimensions cont.

HT180 MODEL-	APPROX. WT. (LBS)	DIMENSIONS (INCHES)												FILTERS QTY- SIZE
		A	B	C	D	E	F	G	H	I	J	K	L	
75/40	2315	36	80	72	47	30	149	17	6 3/8	6 1/4	36	32	76	6- 16 X 25 X 2
75/55	2490				55		157						86	8- 16 X 20 X 2
100/55	2910	48	90						7 3/8	7	30 1/2	26 1/2	96	8- 16 X 25 X 2
100/75	3055													
125/75	3510	54	100	62			147							
125/100	3850				68		160							
175/75	3615				55		147							
175/100	3950				68		160							
200/100	4680	60	120	78		48	194				44	40	116	12- 20 X 20 X 2
200/175	5040				72		198	21	9 3/8	9				
250/100	4825				68		194	17	7 3/8	7				
250/175	5185				72		198	21	9 3/8	9				
300/175	6005	65	140	84			204				52	48	136	14- 20 X 25 X 2
300/200	6475							30						
300/250	6840							26	11 1/8	10 5/8				
400/200	8385	70	160	92				30	9 3/8	9			156	16- 20 X 25 X 2
400/250	8655						212	26	11 1/8	10 5/8				
400/300	8945				84		224							
600/300	10745	80	180	96		60	240				54	50	176	18- 20 X 25 X 2
600/400	11170				100		256	32						
600S/400	13080	85	200	102			262				60	56	196	24- 20 X 25 X 2
600S/600	15980				141		303							

NOTE: On units 200 and above discharge section is shipped knockdown (field assembly by others)

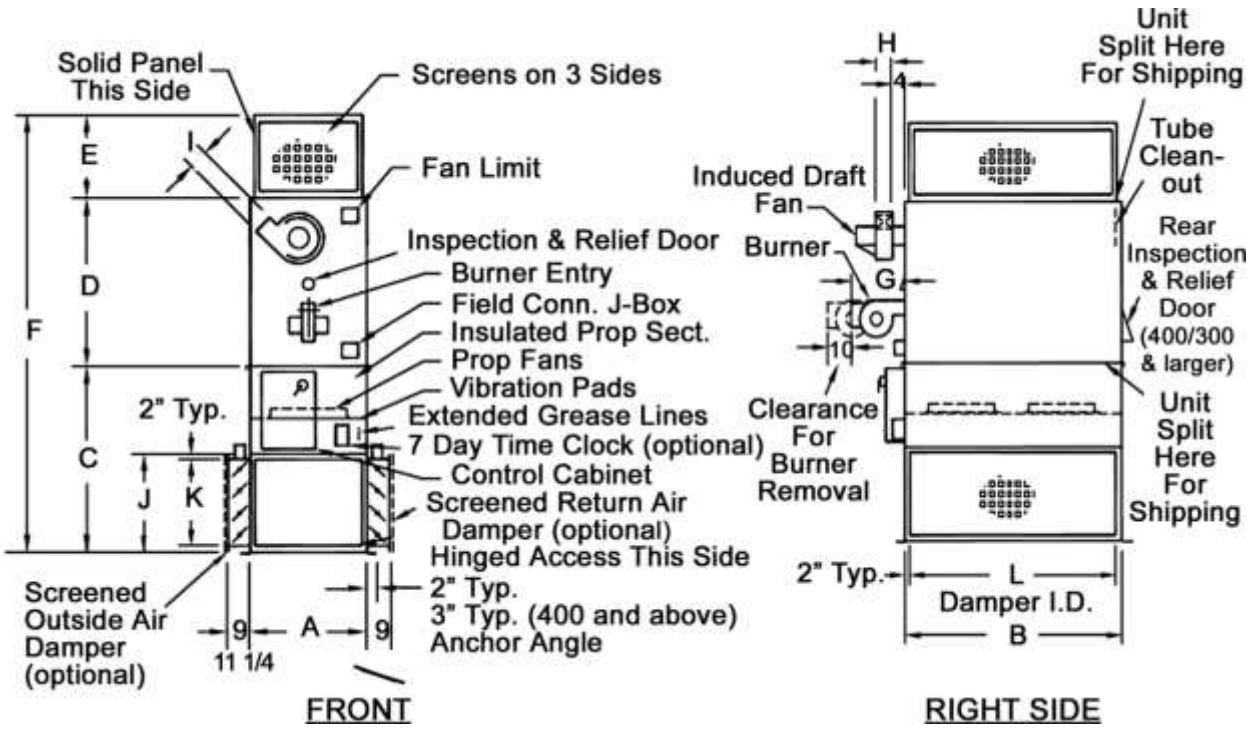
HT180 Basic Unit Dimensions cont.



APPROX. WT. (LBS)	DIMENSIONS (INCHES)												FILTERS QTY- SIZE
	A	B	C	D	E	F	G	H	I	J	K	L	
16235	85	210	102	100	60	262	32	11 1/8	10 5/8	60	56	206	42-15 X 20 X 2
18225				141		303							

NOTE: Discharge section is shipped knocked down (field assembly by others).

HT180 Unit Dimensions with Outside Air and Return Air Dampers



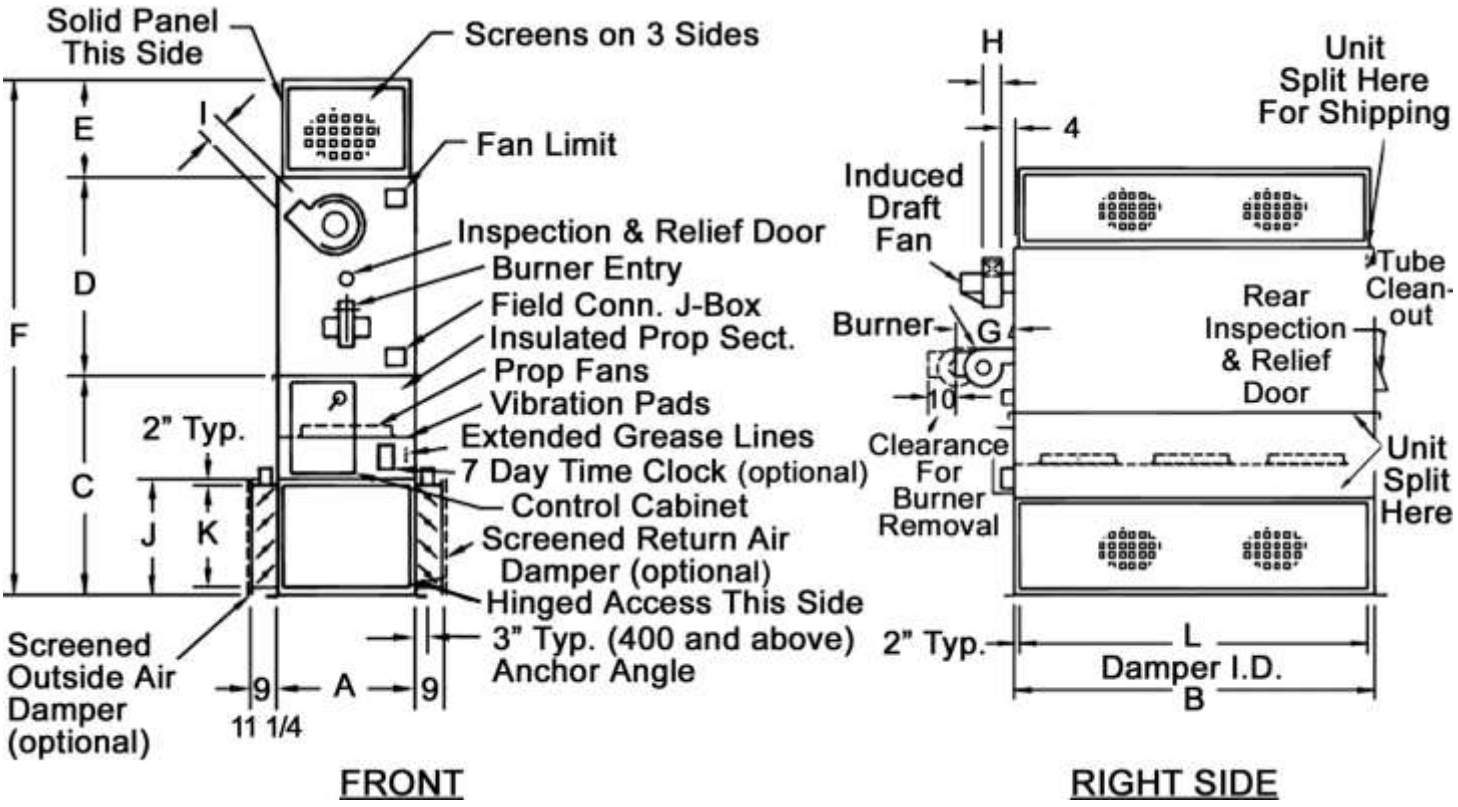
NOTE: On units 200 and above discharge section is shipped knocked down (field assembly by others).

HT180 Unit Dimensions with Outside Air and Return Air Dampers cont.

HT180 MODEL-	APPROX. WT. (LBS)	DIMENSIONS (INCHES)											
		A	B	C	D	E	F	G	H	I	J	K	L
75/40	2460	36	80	72	47	30	149	17	6 3/8	6 1/4	36	32	76
75/55	2635				55		157						
100/55	3060	48	90	84			169		7 3/8	7	48	44	86
100/75	3205												
125/75	3735	54	100	85 1/2			170 1/2				54	50	96
125/100	4070				68		183 1/2						
175/75	3835				55		170 1/2						
175/100	4175				68		183 1/2						
200/100	4940	60	120	94		48	210				60	56	116
200/175	5295				72		214	21	9 3/8	9			
250/100	5085				68		210	17	7 3/8	7			
250/175	5440				72		214	21	9 3/8	9			
300/175	6305	65	140	97			217				65	61	136
300/200	6775							30					
300/250	7140							26	11 1/8	10 5/8			
400/200	8775	70	160	112			232	30	9 3/8	9	70	66	156
400/250	9045							26	11 1/8	10 5/8			
400/300	9335				84		244						
600/300	11315	80	180	122		60	266				80	76	176
600/400	11745				100		282	32					
600S/400	13750	85	200	127			287				85	81	196
600S/600	16650				141		328						

NOTE: On units 200 and above discharge section is shipped knocked down (field assembly by others).

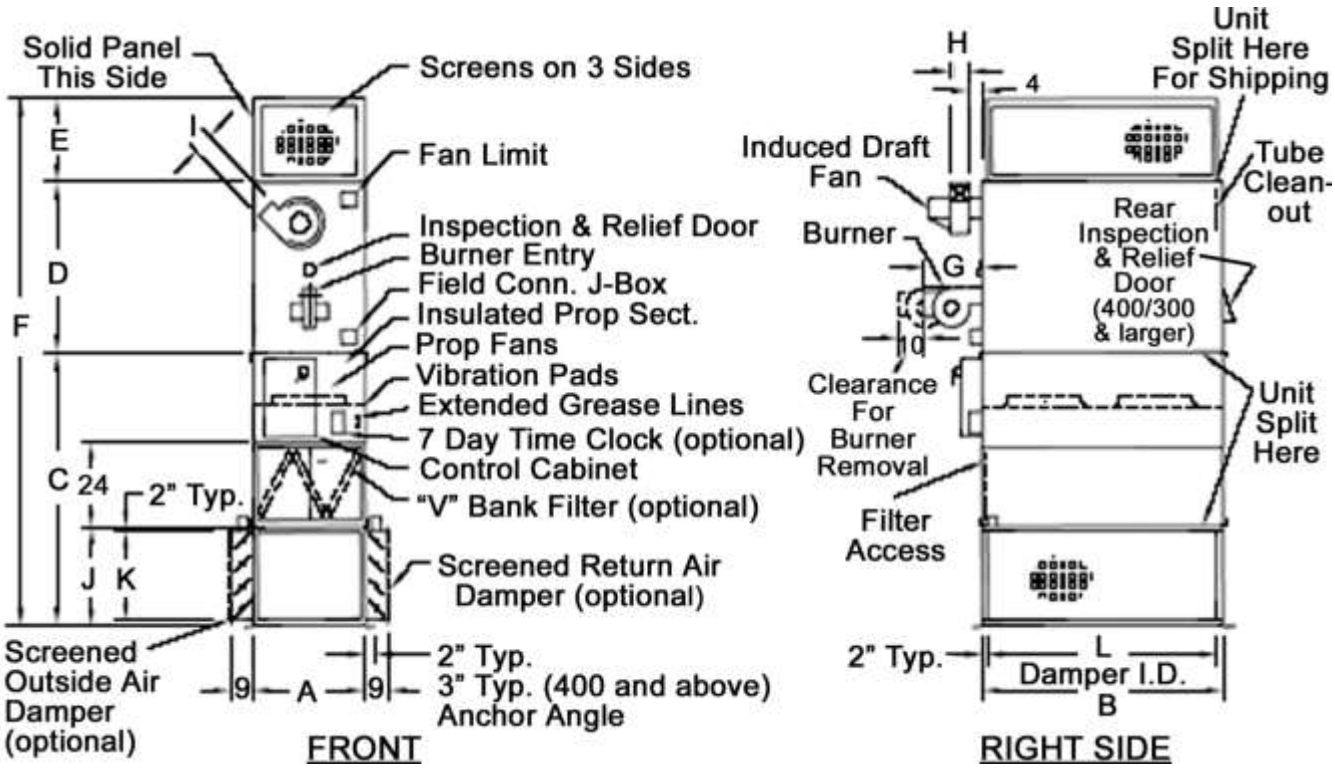
HT180 Unit Dimensions with Outside Air and Return Air Dampers cont.



HT180 MODEL-	APPROX. WT. (LBS)	DIMENSIONS (INCHES)											
		A	B	C	D	E	F	G	H	I	J	K	L
600SS/400	17375	85	210	156	100	60	316	32	11 1/8	10 5/8	114	110	206
600SS/600	19365				141		357						

NOT E: Discharge section is shipped knocked down (field assembly by others).

HT180 Unit Dimensions with Outside Air and Return Air Dampers and V-Bank Filters



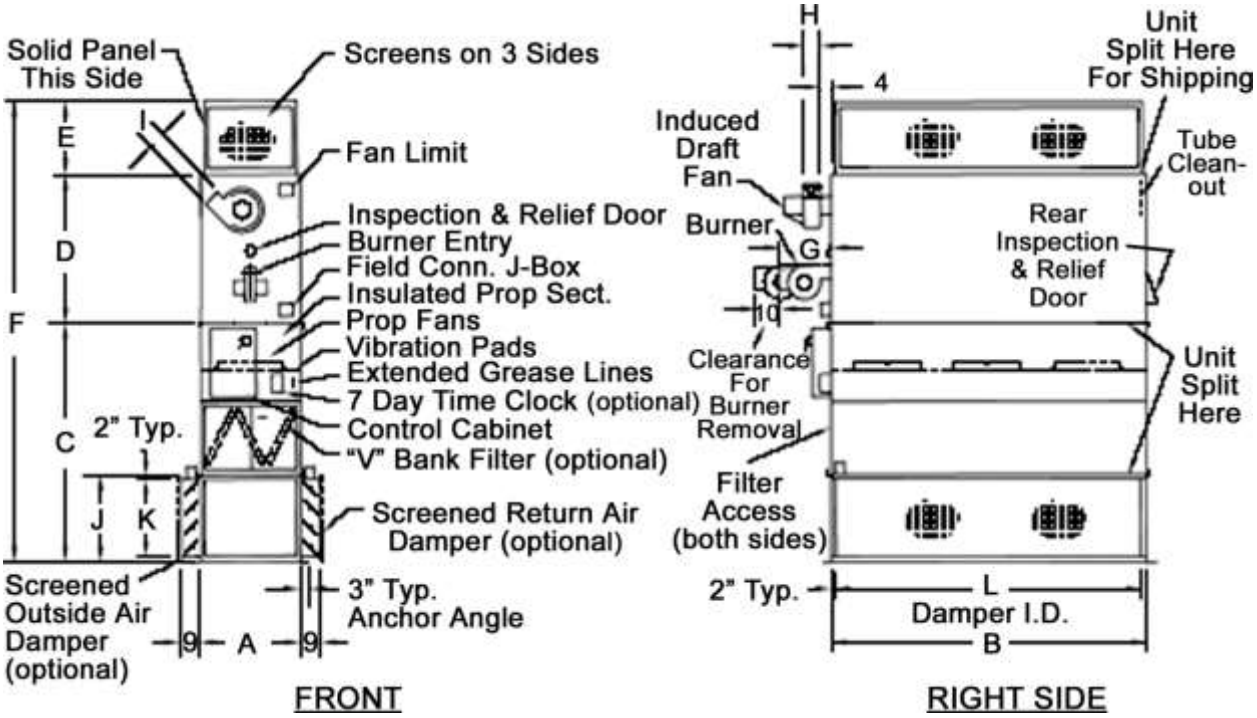
NOTE: On units 200 and above discharge section is shipped knocked down (field assembly by others).

HT180 Unit Dimensions with Outside Air and Return Air Dampers and V-Bank Filters cont.

HT180 MODEL-	APPROX. WT. (LBS)	DIMENSIONS (INCHES)												FILTERS QTY- SIZE
		A	B	C	D	E	F	G	H	I	J	K	L	
75/40	2660	36	80	98	47	30	175	17	6 3/8	6 1/4	36	32	76	12- 20 X 20 X 2
75/55	2835				55		183							
100/55	3280	48	90	110			195		7 3/8	7	48	44	86	16- 20 X 20 X 2
100/75	3425													
125/75	3975	54	100	111 1/2			196 1/2				54	50	96	30- 20 X 20 X 2
125/100	4315				68		209 1/2							
175/75	4080				55		196 1/2							
175/100	4415				68		209 1/2							
200/100	5205	60	120	120		48	236				60	56	116	36- 20 X 20 X 2
200/175	5560				72		240	21	9 3/8	9				
250/100	5350				68		236	17	7 3/8	7				
250/175	5705				72		240	21	9 3/8	9				
300/175	6600	65	140	123			243				65	61	136	49- 20 X 20 X 2
300/200	7070							30						
300/250	7435							26	11 1/8	10 5/8				
400/200	9095	70	160	136			256	30	9 3/8	9	70	66	156	64- 20 X 20 X 2
400/250	9370							26	11 1/8	10 5/8				
400/300	9655				84		268							
600/300	11700	80	180	153		60	297				80	76	176	90- 20 X 25 X 2
600/400	12130				100		313	32						
600S/400	14215	85	200	158			318				85	81	196	100- 20 X 25 X 2
600S/600	17115				141		359							

NOTE: On units 200 and above discharge section is shipped knocked down (field assembly by others).

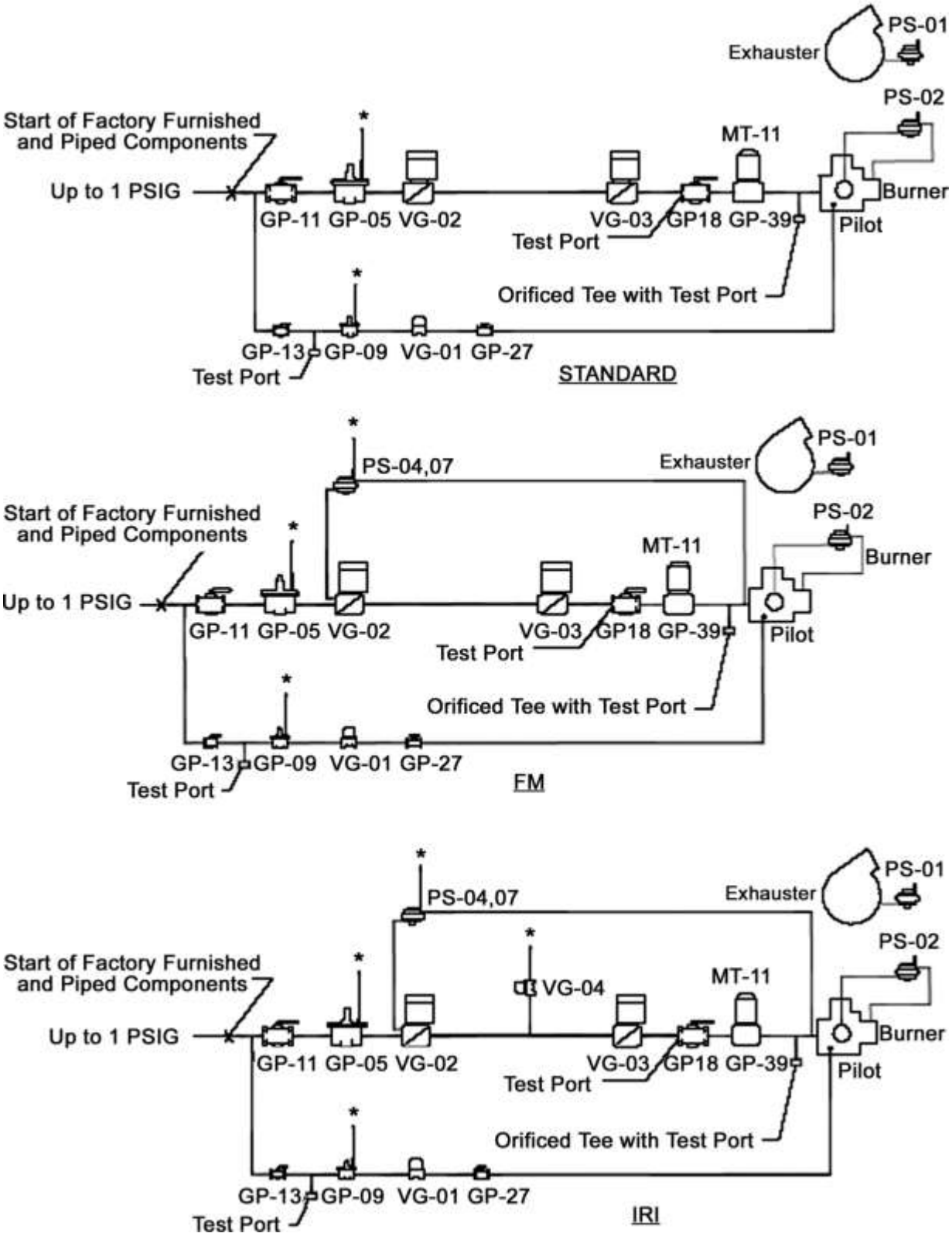
HT180 Unit Dimensions with Outside Air and Return Air Dampers and V-Bank Filters cont.



HT180 MODEL-	APPROX. WT. (LBS)	DIMENSIONS (INCHES)												FILTERS QTY- SIZE
		A	B	C	D	E	F	G	H	I	J	K	L	
600SS/400	17930	85	210	187	100	60	347	32	11 1/8	10 5/8	114	110	206	100-20 X 25 X 2
600SS/600	19920				141		388							

NOTE: Discharge section is shipped knocked down (field assembly by others).

HT180 Gas Piping Layout Optional Gas Heat Only



HT180 Gas Piping Layout Optional - Gas Heat Only cont.

COMPONENT IDENTIFICATION:

GP-05 MAIN GAS PRESSURE REGULATOR
GP-09 PILOT GAS PRESSURE REGULATOR
GP-11 MAIN GAS SHUT-OFF VALVE
GP-13 PILOT GAS SHUT-OFF VALVE
GP-18 AUXILIARY GAS SHUT-OFF VALVE
GP-27 ORIFICED NEEDLE VALVE
GP-39 BUTTERFLY VALVE
(Modulating Burners Only)
MT-11 BUTTERFLY VALVE OPERATOR
(Modulating Burners Only)

PS-01 DRAFT PROVING SWITCH
PS-02 BURNER AIR FLOW SWITCH
PS-04 LOW GAS PRESSURE SWITCH
PS-07 HIGH GAS PRESSURE SWITCH
VG-01 PILOT GAS VALVE
VG-02 MAIN GAS VALVE
VG-03 AUXILIARY GAS VALVE
VG-04 N/O VENT VALVE

NOTES

1. Vent limiting devices provided wherever possible, when venting is required* the venting to outside is by others on indoor units and furnished by factory on outdoor units.
2. Models through 750 MBH output require 6” W.C. minimum inlet pressure. Larger models require 8” W.C. minimum inlet pressure. Contact Moffitt Corporation, Inc. for inlet pressures below these minimums.
3. Standard manifold meets FM requirements for units less than or equal to 2000 MBH output for ETL listed units.
4. Standard manifold meets IRI requirements for ETL listed units.