



Aire-Flo 10™ HEAT PUMP

Economy, Quality, Comfort. All are crucial traits to consider when selecting your next heat pump. Together they add up to value, the most critical requirement of all. The Aire-Flo 10™ heat pump, backed by over 50 years of expertise, is proud to be a value leader in the industry.



FEATURES

- Limited warranties: 5 year parts; 5 year compressor*
- 10.0 SEER cooling efficiency
6.8 HSPF heating efficiency
- Crankcase Heater (except scrolls) and accumulator factory installed
- High quality condenser coil-copper tube with enhanced louvered fin for greater heat transfer capability
- Compressor suction gauge port provided for low side pressure access
- Hinged control panel allows simple access to internal components
- Service valve gauge ports positioned to allow plenty of access room
- Heavy gauge, textured, pre-painted cabinet provides corrosion protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Factory lubricated condenser fan motor
- ETL, ETLC approved and ARI listed

* See warranty certificate for details.

High Performance Copeland® Compressors

Durable Copeland compressors feature internal pressure relief valves and inherent thermal protection.



Bi-flow Liquid Line Filter Drier

A Parker bi-flow filter drier is installed in every Aire-Flo™ unit. This prevents moisture, which can damage the compressor, protecting the system in both heating and cooling modes.



Corrosion Protection

The Aire-Flo heat pump features a galvanized pre-painted cap and base.



Reduced Noise

This is the result of low operating noise of the Copeland compressor, the enclosed fan motor and the Aire-Flo air management system.

Field Proven Time/Temperature Defrost System

The Texas Instrument defrost board, standard with short cycle protection, effectively keeps the unit defrosted with field selectable intervals of 30, 60 or 90 minutes.

External Brass Service/Shut-off Valves

These Aeroquip® valves save refrigerant charge for safer operation, which reduces the need for system evacuation and allows servicing with reduced risk to the environment.



Quality You Can Trust

We use only quality components like Copeland, Honeywell®, Ranco, Aeroquip® and GE® – all leaders in the industry.

COPELAND
HONEYWELL
GE MOTORS
TEXAS INSTRUMENTS
PARKER

UNIT DIMENSIONS

MODEL NUMBER	SQUARE BASE (INCHES)	HEIGHT (INCHES)
AFHEAT10B18	22 1/2 x 22 1/2	23 1/2
AFHEAT10B24	22 1/2 x 22 1/2	27 1/2
AFHEAT10B30	30 x 30	27 1/2
AFHEAT10B36	30 x 30	27 1/2
AFHEAT10B42	30 x 30	35 1/2
AFHEAT10B48	30 x 30	39 1/2
AFHEAT10B60	30 x 30	39 1/2



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AIRE-FLO 10™ SEER HEAT PUMPS

FEATURES

- 10 SEER/up to 7.0 HSPF
- Durable *Copeland* compressors, with internal pressure relief valves and inherent thermal protection
- High quality Aire-Flo condenser coil-copper tube with enhanced louvered fin for greater heat transfer capability
- Factory lubricated condenser fan motor
- Vertical air discharge
- Heavy gauge, gray pre-painted cabinet provides corrosion protection
- Easy access to electrical panels, pre-wired for easy hook-up
- Hinged control panel allows simple access to internal components
- Service valve gauge ports positioned to allow plenty of access room
- Limited warranties: 5 year covered parts; 5 year compressor*
- Bi-flow liquid line filter drier installed on every unit
- All units ETL/ETLC approved and ARI listed/certified
- Charged for 15 feet of interconnecting tubing
- Time/temperature defrost system with 30/60/90 selectable defrost intervals
- Crankcase heater standard (except scroll units)
- Accumulator standard
- Compressor short cycle protection standard
- Compressor suction pressure gauge port standard

*See warranty certificate for details.

UNIT DIMENSIONS

MODEL NUMBER	SQUARE BASE (INCHES)	HEIGHT (INCHES)
AFHEAT10B18	22 1/2 x 22 1/2	23 1/2
AFHEAT10B24	22 1/2 x 22 1/2	27 1/2
AFHEAT10B30	30 x 30	27 1/2
AFHEAT10B36	30 x 30	27 1/2
AFHEAT10B42	30 x 30	35 1/2
AFHEAT10B48	30 x 30	39 1/2
AFHEAT10B60	30 x 30	39 1/2

OUTDOOR UNIT	INDOOR SECTION	AIRFLOW (SCFM)	NET COOLING CAPACITY (BTUH)	SEER	NET HEATING CAPACITY (BTUH)	HSPF
AFHEAT10B18	DBP18AA	650	18,000	10.00	17,600	6.80
AFHEAT10B24	DBP24AA	840	24,000	10.00	22,800	6.80
AFHEAT10B30	DBP30BA	1000	30,000	10.00	29,000	6.80
AFHEAT10B36	DBP36BA	1150	34,400	10.00	34,400	6.80
AFHEAT10B42	DBP42CA	1400	40,500	10.00	40,500	6.80
AFHEAT10B48	DBP48CA	1500	45,500	10.00	47,000	7.00
AFHEAT10B60	DBP60DA	1900	58,000	10.00	58,500	7.00

Certified in accordance with the ARI Standard 210/240 certification program, which is based on ARI Standard 210/240.

AIRE-FLO 10™ HEAT PUMP

AIRE-FLO™

AIRE-FLO 10™ SEER HEAT PUMPS

MODEL NUMBER		AFHEAT10B18	AFHEAT10B24	AFHEAT10B30	AFHEAT10B36	AFHEAT0B42	AFHEAT10B48	AFHEAT10B60
PHYSICAL DATA								
CONDENSER COIL	Face Area (ft ²)	8.19	9.83	14.83		19.78	22.25	
	Tube / Fin Material	Grooved Cu / Al						
	Tube Diameter (in.)	3/8						
	No. of rows	1						
	Fins per inch	20						
CONDENSER FAN	Diameter (in.)	18			22			
	No. of blades	3						
	RPM	1100						
	Motor HP	1/10		1/5		1/4		
Liquid Line Connection (in.)		3/8						
Vapor Line Size Required (in.)		5/8		3/4		7/8		1-1/8***
Vapor Line Connection (in.)		5/8		3/4		7/8		
ELECTRICAL DATA								
UNIT	Rated Voltage (Volts)	208-230						
	Phase	1						
	Frequency (Hz)	60						
COMPRESSOR	Rated Load Amps	10.4	12.4	16.0	18.0	20.4	24.3	30.1
	Locked Rotor Amps	49	61	82	96	102	131	175
FAN MOTOR	Full Load Amps	0.75		1.4		1.45		
	Locked Rotor Amps	1.4		3.0		3.8		
UNIT	Max. Fuse Size*	20	25	30	35	40	50	60
	Min. Circuit Ampacity**	13.8	16.3	21.4	23.9	27.3	32.2	39.4

* Time delay fuse/HACR Breaker

** Refer to national Electrical Code (or Canadian Electrical Code) to determine wire size, fuse and disconnect size requirements

*** Field supplied 7/8" to 1-1/8" adapter required. Use of 7/8" vapor line reduces performance approximately 3-4%

ACCESSORIES							
Unit Size	18	24	30	36	42	48	60
High Pressure Switch	70L70						
Low Pressure Switch	70L72						
Short Cycle Protection	STANDARD FACTORY INSTALLED						
Crankcase Heater	STANDARD FACTORY INSTALLED					70L83	70L84
Sound Blanket	70L85					70L88	70L86
Hard Start Kit	70L74			70L76	70L78	70L80	70L79
Outdoor Thermostat	70L93						
Fossil Fuel Kit	70L92						



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EXPANDED PERFORMANCE DATA

Expanded Ratings for AFHEAT10B42 CLG

MODEL: AFHEAT10B42 / DBP42CA

COOLING OPERATION

IDB* Flow Rate		75										85										95										105										115									
		65					75					85					95					105					115																								
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75															
80	MBH	40.3	41.2	44.0	47.0	49.3	38.4	39.2	41.9	44.8	37.5	38.3	40.9	43.7	35.6	36.4	36.9	41.5	43.0	33.0	33.7	36.0	38.5	38.9	0.83	0.88	0.70	0.53	0.89	0.72	21	19	15	22	21	19	15	22	21	18	15	20	20	20	17	14					
	Delta T	22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	22	21	18	15	20	20	17	14																										
	KW	3.01	3.09	3.20	3.32	3.28	3.49	3.62	3.61	3.74	3.88	3.73	3.82	3.97	4.11	3.91	4.01	4.16	4.31	4.06	4.16	4.32	4.48																												
	AMPS	13.6	13.9	14.4	14.9	14.7	15.1	16.2	16.4	17.0	17.6	17.1	17.6	18.2	18.9	18.2	18.7	19.3	20.1	19.4	19.8	20.5	21.3																												
	HI PR	146	157	166	173	164	177	187	195	201	212	201	213	229	242	239	257	272	284	284	264	300	313																												
	LO PR	59	63	69	74	63	67	73	78	85	69	76	81	88	94	72	76	83	89	74	79	86	92																												
	MBH	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	44.4	37.1	37.9	40.5	43.3	35.2	36.0	36.5	41.1	42.6	32.6	33.4	35.6	38.1																												
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	1.00	0.94	0.76	0.57																												
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	18	14																											
	KW	3.01	3.08	3.19	3.31	3.27	3.36	3.48	3.61	3.60	3.73	3.87	3.72	3.81	3.90	4.00	4.14	4.30	4.05	4.15	4.31	4.47	4.63																												
AMPS	13.5	13.9	14.3	14.9	14.7	15.0	15.5	16.1	16.4	16.9	17.6	17.1	17.5	18.1	18.2	18.7	19.3	20.0	19.3	19.8	20.5	21.3																													
HI PR	146	157	166	173	164	177	187	195	201	212	201	213	229	242	239	257	272	284	284	264	299	312																													
LO PR	59	63	69	74	63	67	73	78	85	69	76	81	88	94	72	76	83	89	74	79	86	92																													
MBH	39.3	40.1	42.9	45.8	38.4	39.2	41.9	44.8	43.7	36.5	37.3	39.9	42.6	34.7	35.5	37.9	40.5	42.0	32.2	32.9	35.1	37.5																													
S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.84	0.68	0.51	0.92	0.87	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55																												
Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	18	15																												
KW	2.96	3.03	3.14	3.26	3.22	3.30	3.42	3.55	3.46	3.67	3.81	3.66	3.75	3.84	3.93	4.08	4.23	3.99	4.09	4.24	4.40	4.56																													
AMPS	13.3	13.7	14.1	14.7	14.4	14.8	15.3	15.9	16.1	16.6	17.3	16.8	17.2	17.9	18.4	19.0	19.7	19.0	19.5	20.1	20.9	21.7																													
HI PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	266	278	259	279	294	307																													
LO PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	73	77	85	90																													
85	MBH	41.0	41.8	43.8	46.7	40.0	40.8	42.7	45.6	39.1	39.8	41.7	44.5	38.1	38.9	40.7	43.4	40.8	41.3	33.5	34.2	35.8	38.2																												
	S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.92	1.00	1.00	0.93	0.76																												
	Delta T	23	23	22	19	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	18																												
	KW	3.04	3.12	3.23	3.35	3.31	3.40	3.52	3.65	3.54	3.78	3.92	3.77	3.86	4.00	4.15	3.95	4.04	4.19	4.35	4.10	4.20	4.36	4.52																											
	AMPS	13.7	14.0	14.5	15.1	14.8	15.2	15.7	16.3	16.2	16.6	17.1	17.8	17.3	17.7	18.3	19.0	18.4	18.9	19.5	20.3	20.7	21.5																												
	HI PR	148	159	168	175	166	178	188	196	189	203	214	223	215	231	244	255	242	260	275	266	287	303	316																											
	LO PR	60	64	70	74	63	67	74	78	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93																										
	MBH	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	40.8	41.3	33.2	33.9	35.5	37.8																												
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.83	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	0.91	1.00	1.00	0.91	0.74																												
	Delta T	24	24	23	20	25	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	18																											
KW	3.03	3.11	3.22	3.34	3.30	3.39	3.51	3.64	3.54	3.77	3.91	3.75	3.85	3.99	4.14	3.93	4.03	4.18	4.34	4.09	4.19	4.35	4.51																												
AMPS	13.7	14.0	14.5	15.0	14.8	15.2	15.7	16.3	16.1	16.5	17.1	17.7	17.2	17.7	18.3	19.0	18.4	18.8	19.5	20.2	20.7	21.5																													
HI PR	147	159	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	285	266	302	315																												
LO PR	60	64	70	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	90	75	80	87	93																											
MBH	40.0	40.7	42.7	45.5	39.0	39.8	41.7	44.5	38.1	38.8	40.7	43.4	37.2	37.9	39.7	42.3	40.2	40.7	32.7	33.4	34.9	37.3																													
S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	1.00	1.00	0.98	0.88	0.72																												
Delta T	25	25	23	20	25	25	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	19																												
KW	2.99	3.06	3.17	3.29	3.25	3.33	3.46	3.58	3.49	3.57	3.71	3.84	3.70	3.79	3.93	4.07	3.87	3.97	4.12	4.27	4.02	4.12	4.28	4.44																											
AMPS	13.5	13.8	14.2	14.8	14.6	14.9	15.4	16.0	15.9	16.2	16.8	17.4	17.0	17.4	18.0	18.7	18.1	18.5	19.2	19.9	20.3	21.1																													
HI PR	145	156	165	172	162	175	185	193	185	199	210	219	210	226	239	249	237	255	269	281	262	282	297	310																											
LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	85	91																											

*Entering Indoor DBP Temperature Rating conditions. Due to continuing improvements, specifications are subject to change without notice.

EXPANDED PERFORMANCE DATA

Expanded Ratings for AFHEAT10B48 CLG

MODEL: AFHEAT10B48 / DBP48CA

COOLING OPERATION

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE												115																		
	65						75							85						95						105					
	59	63	67	71	75	79	59	63	67	71	75	79		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79
1600	MBh	43.7	45.3	49.6	-	42.7	44.3	48.5	-	41.7	43.2	47.3	-	40.7	42.2	46.2	-	38.6	40.0	43.9	-	35.8	37.1	40.6	-	35.8	37.1	40.6	-		
	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-		
	Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-		
	KW	3.29	3.37	3.49	-	3.58	3.66	3.79	-	3.83	3.92	4.06	-	4.05	4.15	4.30	-	4.24	4.34	4.50	-	4.40	4.51	4.68	-	4.40	4.51	4.68	-		
	AMPS	16.3	16.7	17.2	-	17.6	18.0	18.6	-	19.1	19.6	20.2	-	20.4	21.0	21.7	-	21.8	22.3	23.1	-	23.1	23.6	24.4	-	23.1	23.6	24.4	-		
	HI PR	147	158	167	-	165	178	188	-	188	202	214	-	214	230	243	-	241	259	274	-	266	286	302	-	266	286	302	-		
	LO PR	58	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	70	74	81	-	72	77	84	-	72	77	84	-		
	MBh	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	40.3	41.7	45.7	-	38.3	39.6	43.4	-	35.4	36.7	40.2	-	35.4	36.7	40.2	-		
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-		
	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-		
70	KW	3.28	3.36	3.48	-	3.57	3.65	3.78	-	3.82	3.91	4.05	-	4.04	4.14	4.29	-	4.23	4.33	4.49	-	4.39	4.50	4.66	-	4.39	4.50	4.66	-		
	AMPS	16.2	16.6	17.2	-	17.6	18.0	18.6	-	19.1	19.5	20.2	-	20.4	20.9	21.6	-	21.7	22.2	23.0	-	23.0	23.5	24.4	-	23.0	23.5	24.4	-		
	HI PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	242	-	240	258	273	-	265	285	301	-	265	285	301	-		
	LO PR	57	61	67	-	61	65	70	-	63	67	73	-	66	70	77	-	69	74	81	-	72	77	83	-	72	77	83	-		
	MBh	42.6	44.2	48.4	-	41.6	43.2	47.3	-	40.7	42.1	46.2	-	39.7	41.1	45.0	-	37.7	39.1	42.8	-	34.9	36.2	39.6	-	34.9	36.2	39.6	-		
	S/T	0.66	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-		
	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-		
	KW	3.23	3.31	3.43	-	3.51	3.60	3.73	-	3.76	3.85	3.99	-	3.98	4.07	4.22	-	4.16	4.26	4.42	-	4.32	4.43	4.59	-	4.32	4.43	4.59	-		
	AMPS	16.0	16.4	16.9	-	17.3	17.7	18.3	-	18.8	19.2	19.9	-	20.1	20.6	21.3	-	21.4	21.9	22.6	-	22.6	23.2	24.0	-	22.6	23.2	24.0	-		
	HI PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	261	281	296	-	261	281	296	-		
LO PR	56	60	66	-	60	63	69	-	62	66	72	-	65	69	76	-	68	73	79	-	71	75	82	-	71	75	82	-			
1600	MBh	44.5	45.8	49.5	53.2	49.4	44.7	48.4	42.4	43.6	47.2	50.7	41.4	42.6	46.1	49.5	43.8	40.5	39.3	47.0	43.8	37.5	40.6	43.5	36.4	47.0	43.8	37.5	40.6	43.5	
	S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40	0.92	0.82	0.62	0.40	0.92	
	Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	21	19	14	10	19	15	11	18	14	10
	KW	3.32	3.40	3.52	3.65	3.61	3.70	3.83	3.97	3.86	3.96	4.10	4.25	4.09	4.19	4.34	4.50	4.28	4.28	4.38	4.54	4.71	4.44	4.55	4.72	4.44	4.55	4.72	4.44	4.55	4.72
	AMPS	16.4	16.8	17.4	18.0	17.8	18.2	18.8	19.5	19.3	19.8	20.4	21.2	20.6	21.1	21.9	22.7	22.0	22.0	22.5	23.3	24.2	23.3	23.9	24.7	23.3	24.2	23.3	23.9	24.7	25.6
	HI PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	243	262	276	288	269	289	305	269	288	288	305	318	318
	LO PR	58	62	68	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	75	82	87	73	77	84	73	87	73	77	84	90
	MBh	44.0	45.3	49.1	52.7	43.0	44.3	47.9	51.4	42.0	43.2	46.8	50.2	41.0	42.2	45.6	49.0	38.9	38.9	40.1	43.4	46.5	36.0	37.1	40.2	36.0	46.5	43.4	37.1	40.2	43.1
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39	0.90	0.80	0.61	0.39	0.90	
	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	21	20	16	11	20	18	15	20	16	11	18	15	10
KW	3.31	3.39	3.51	3.64	3.60	3.69	3.82	3.96	3.85	3.95	4.09	4.24	4.08	4.18	4.33	4.49	4.27	4.27	4.37	4.53	4.70	4.43	4.54	4.71	4.43	4.54	4.71	4.43	4.54	4.71	
AMPS	16.4	16.8	17.3	18.0	17.7	18.1	18.7	19.4	19.3	19.7	20.4	21.2	20.6	21.1	21.8	22.6	21.9	21.9	22.5	23.2	24.1	23.2	23.8	24.6	23.2	24.1	23.2	23.8	24.6	25.5	
HI PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	255	242	242	261	276	287	268	288	304	268	287	288	304	318	318	
LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	75	81	87	73	77	84	73	87	73	77	84	90	
75	MBh	43.4	44.6	48.3	51.9	42.4	43.6	47.2	50.7	41.3	42.6	46.1	49.5	40.3	41.5	45.0	48.2	38.3	39.5	42.7	45.8	36.5	39.6	42.5	36.5	45.8	42.7	36.5	39.6	42.5	
	S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.37	0.87	0.78	0.59	0.37	0.87	
	Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	22	20	16	11	20	18	15	20	16	11	18	15	11
	KW	3.26	3.34	3.46	3.58	3.54	3.63	3.76	3.90	3.79	3.89	4.03	4.17	4.01	4.11	4.26	4.42	4.20	4.20	4.30	4.46	4.63	4.36	4.47	4.63	4.36	4.47	4.63	4.36	4.47	4.63
	AMPS	16.1	16.5	17.1	17.7	17.4	17.9	18.5	19.1	19.0	19.4	20.1	20.8	20.3	20.8	21.5	22.3	21.6	21.6	22.1	22.8	23.7	22.9	23.4	24.2	22.9	23.4	24.2	23.4	24.2	25.1
	HI PR	146	157	166	173	164	176	186	194	186	200	211	220	212	228	241	251	238	238	257	271	283	263	283	299	263	283	283	299	312	312
	LO PR	57	61	66	71	60	64	70	75	63	67	73	77	66	70	76	81	69	73	73	80	85	71	76	83	71	76	83	71	76	83

*Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Due to continuing improvements, specifications are subject to change without notice.

EXPANDED PERFORMANCE DATA

Expanded Ratings for AFHEAT10B48 CLG

MODEL: AFHEAT10B48 / DBP48CA

COOLING OPERATION

		OUTDOOR AMBIENT TEMPERATURE																								
		65			75			85			95			105			115									
IDB*	Flow Rate	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127							
80	1600	MBh	45.3	46.2	49.4	52.8	49.4	48.3	45.2	44.1	44.1	43.0	42.1	43.0	46.0	49.1	40.0	40.9	43.7	46.7	37.0	37.9	40.4	43.2		
		S/T	0.88	0.82	0.67	0.50	0.91	0.69	0.85	0.85	0.87	0.71	0.63	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57	
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	18	14	
		KW	3.35	3.43	3.55	3.68	3.64	3.73	3.86	4.01	3.90	3.99	4.14	4.29	4.13	4.23	4.38	4.54	4.32	4.43	4.59	4.76	4.49	4.80	4.76	4.94
		AMPS	16.6	17.0	17.5	18.2	17.9	18.4	19.0	19.7	19.5	20.0	20.6	21.4	20.8	21.3	22.1	22.9	22.2	22.7	23.5	24.4	23.5	24.1	24.9	25.9
		HI PR	150	162	171	178	169	181	192	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	308	322
	LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	73	78	85	91	
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8	
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.62	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	
	KW	3.34	3.42	3.54	3.67	3.63	3.72	3.85	3.99	3.89	3.98	4.13	4.28	4.12	4.22	4.37	4.53	4.31	4.41	4.57	4.74	4.47	4.88	4.75	4.93	
	AMPS	16.5	16.9	17.5	18.1	17.9	18.3	18.9	19.6	19.4	19.9	20.6	21.3	20.8	21.3	22.0	22.8	22.1	22.7	23.4	24.3	23.4	24.0	24.8	25.8	
HI PR	150	161	170	178	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321		
LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	79	84	71	75	82	88	73	78	85	91		
1400	1600	MBh	44.1	45.1	48.2	51.5	44.0	47.1	50.3	42.1	43.0	45.9	49.1	41.1	41.9	44.8	47.9	39.0	39.9	42.6	45.5	36.1	36.9	39.4	42.2	
		S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.94	0.88	0.72	0.54	0.95	0.89	0.73	0.54	
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
		KW	3.29	3.37	3.49	3.62	3.58	3.66	3.79	3.93	3.83	3.92	4.06	4.21	4.05	4.15	4.30	4.46	4.24	4.34	4.50	4.67	4.40	4.51	4.68	4.85
		AMPS	16.3	16.7	17.2	17.9	17.6	18.0	18.6	19.3	19.1	19.6	20.2	21.0	20.5	21.0	21.7	22.5	21.8	22.3	23.1	23.9	23.1	23.6	24.4	25.4
		HI PR	147	158	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	285	266	286	302	315
	LO PR	58	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	70	74	81	86	72	77	84	89	
	MBh	46.0	46.9	49.2	52.4	45.0	45.8	48.0	51.2	43.9	44.8	46.9	50.0	42.8	43.7	46.7	49.8	40.7	41.5	43.4	46.3	37.7	38.4	40.2	42.9	
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75	
	Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	22	22	21	18	
	KW	3.38	3.46	3.59	3.72	3.68	3.76	3.90	4.04	3.94	4.03	4.18	4.33	4.16	4.27	4.42	4.58	4.36	4.47	4.63	4.80	4.53	4.64	4.81	4.99	
	AMPS	16.7	17.1	17.7	18.4	18.1	18.5	19.1	19.9	19.7	20.1	20.8	21.6	21.0	21.5	22.3	23.1	22.4	22.9	23.7	24.6	23.7	24.3	25.1	26.1	
HI PR	152	163	172	180	170	183	193	202	194	208	220	230	221	237	251	261	248	267	282	294	274	295	312	325		
LO PR	59	63	69	73	63	67	73	78	65	69	76	81	68	73	80	85	72	76	83	89	74	79	86	92		
85	1600	MBh	45.6	46.5	48.7	51.9	44.5	47.5	50.7	43.5	44.3	46.4	49.5	42.4	43.2	46.3	49.3	40.3	41.1	43.0	45.9	37.3	38.0	39.8	42.5	
		S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
		Delta T	25	25	23	20	25	25	24	20	25	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19
		KW	3.37	3.45	3.58	3.71	3.67	3.75	3.89	4.03	3.92	4.02	4.17	4.32	4.15	4.25	4.41	4.57	4.35	4.45	4.62	4.79	4.51	4.63	4.80	4.97
		AMPS	16.7	17.1	17.7	18.3	18.0	18.5	19.1	19.8	19.6	20.1	20.8	21.5	21.0	21.5	22.2	23.0	22.3	22.9	23.6	24.6	23.7	24.2	25.1	26.0
		HI PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	294	273	294	311	324
	LO PR	59	63	69	73	63	67	73	77	65	69	75	80	68	73	79	84	72	76	83	88	74	79	86	92	
	MBh	44.9	45.8	47.9	51.1	43.9	44.7	46.8	50.0	42.8	43.6	45.7	48.8	41.8	42.6	44.6	47.6	39.7	40.4	42.4	45.2	36.8	37.5	39.2	41.9	
	S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	1.00	0.96	0.87	0.70
	Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19	
	KW	3.32	3.40	3.52	3.65	3.61	3.70	3.83	3.97	3.86	3.96	4.10	4.25	4.09	4.19	4.34	4.50	4.28	4.38	4.54	4.71	4.44	4.55	4.72	4.89	
	AMPS	16.4	16.8	17.4	18.0	17.8	18.2	18.8	19.5	19.3	19.8	20.4	21.2	20.6	21.1	21.9	22.7	22.0	22.5	23.3	24.2	23.3	23.9	24.7	25.6	
HI PR	149	160	169	176	169	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318		
LO PR	58	62	68	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	89		

*Entering Indoor Dry-Bulb Temperature. NOTE: Shaded area is *R1 Rating conditions. Due to continuing improvements, specifications are subject to change without notice.

EXPANDED HEATING RATINGS

Expanded Ratings for AFHEAT10B Series

MODEL: AFHEAT10B18 / DBP18AA

HEATING OPERATION

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBH	22.1	20.9	19.7	18.4	17.6	17.1	15.8	14.6	14.6	13.5	12.4	11.7	11.3	10.1	9.0	7.8	6.7	5.5
T/R	31.5	29.8	28.1	26.2	25.1	24.3	22.6	20.8	20.8	19.2	17.7	16.7	16.1	14.4	12.8	11.1	9.5	7.8
KW	1.74	1.70	1.67	1.63	1.61	1.59	1.56	1.52	1.41	1.37	1.34	1.32	1.30	1.27	1.24	1.20	1.17	1.13
AMPS	9.1	8.5	7.9	7.5	7.2	7.1	6.7	6.3	6.1	5.8	5.5	5.4	5.4	5.1	4.8	4.5	4.2	3.8
COP	3.72	3.60	3.46	3.31	3.20	3.13	2.98	2.81	3.03	2.87	2.71	2.60	2.53	2.33	2.12	1.90	1.67	1.41
EER	12.7	12.3	11.8	11.3	10.9	10.7	10.2	9.6	10.3	9.8	9.3	8.9	8.6	8.0	7.3	6.5	5.7	4.8
HI PR	248	237	228	218	213	209	201	183	185	176	169	165	162	156	150	144	139	134
LO PR	74	69	65	59	56	54	50	44	40	36	31	29	28	24	20	17	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed. Due to continuing improvements, specifications are subject to change without notice.

MODEL: AFHEAT10B24 / DBP24AA

HEATING OPERATION

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBH	28.7	27.1	25.5	23.9	22.8	22.1	20.5	18.9	15.9	14.6	13.4	12.7	12.2	11.0	9.7	8.5	7.2	5.9
T/R	31.6	29.9	28.1	26.3	25.1	24.4	22.6	20.9	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.4	8.0	6.5
KW	2.16	2.11	2.06	2.01	1.99	1.97	1.92	1.87	1.75	1.70	1.66	1.63	1.61	1.57	1.52	1.48	1.43	1.39
AMPS	11.2	10.4	9.7	9.1	8.8	8.6	8.1	7.7	7.4	7.1	6.7	6.5	6.5	6.1	5.7	5.4	5.0	4.5
COP	3.89	3.76	3.62	3.47	3.36	3.29	3.13	2.96	2.65	2.51	2.38	2.28	2.22	2.05	1.87	1.68	1.48	1.25
EER	13.3	12.9	12.4	11.9	11.5	11.2	10.7	10.1	9.1	8.6	8.1	7.8	7.6	7.0	6.4	5.7	5.1	4.3
HI PR	250	240	230	220	215	211	203	195	186	178	171	167	164	158	152	145	140	135
LO PR	68	63	59	54	51	49	45	40	36	32	28	26	26	22	19	16	14	11

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed. Due to continuing improvements, specifications are subject to change without notice.

EXPANDED HEATING RATINGS

Expanded Ratings for AFHEAT10B Series

MODEL: AFHEAT10B30 / DBP30BA

HEATING OPERATION

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	36.5	34.5	32.5	30.4	29.0	28.1	26.1	24.1	21.1	19.4	17.9	16.9	16.3	14.6	12.9	11.3	9.6	7.9
T/R	33.8	32.0	30.1	28.1	26.9	26.0	24.2	22.3	19.5	18.0	16.6	15.6	15.1	13.5	12.0	10.5	8.9	7.3
KW	2.84	2.78	2.71	2.65	2.62	2.59	2.53	2.47	2.30	2.24	2.18	2.15	2.12	2.06	2.00	1.95	1.89	1.83
AMPS	15.7	14.5	13.6	12.8	12.3	12.1	11.4	10.8	10.3	9.9	9.4	9.2	9.0	8.6	8.0	7.5	6.9	6.2
COP	3.76	3.64	3.50	3.35	3.24	3.18	3.02	2.86	2.68	2.54	2.40	2.31	2.24	2.07	1.89	1.70	1.49	1.26
EER	12.8	12.4	12.0	11.4	11.1	10.9	10.3	9.8	9.2	8.7	8.2	7.9	7.7	7.1	6.5	5.8	5.1	4.3
HI PR	268	257	247	236	231	226	218	209	200	191	183	179	176	169	163	156	150	145
LO PR	76	70	66	60	57	55	50	45	41	36	32	30	29	24	21	18	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb.

Instantaneous capacity listed.

Due to continuing improvements, specifications are subject to change without notice.

MODEL: AFHEAT10B36 / DBP36BA

HEATING OPERATION

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	43.2	40.9	38.5	36.0	34.4	33.3	31.0	28.6	24.9	23.0	21.2	20.0	19.3	17.3	15.3	13.4	11.4	9.3
T/R	34.8	33.0	31.0	29.0	27.7	26.8	24.9	23.0	20.1	18.5	17.1	16.1	15.5	13.9	12.3	10.8	9.2	7.5
KW	3.27	3.20	3.13	3.05	3.01	2.98	2.91	2.84	3.23	3.15	3.06	3.01	2.98	2.89	2.81	2.72	2.64	2.55
AMPS	20.4	18.8	17.6	16.5	15.9	15.6	14.7	13.9	13.3	12.7	12.1	11.8	11.6	11.0	10.2	9.6	8.8	7.9
COP	3.87	3.75	3.61	3.45	3.34	3.27	3.11	2.94	2.26	2.14	2.02	1.94	1.89	1.75	1.60	1.44	1.27	1.07
EER	13.2	12.8	12.3	11.8	11.4	11.2	10.6	10.1	7.7	7.3	6.9	6.6	6.5	6.0	5.5	4.9	4.3	3.7
HI PR	255	244	235	224	219	215	207	198	190	181	174	170	167	161	154	148	143	138
LO PR	72	66	62	57	54	52	48	43	38	34	30	28	27	23	20	17	15	11

Above information is for nominal CFM and 70 degree indoor dry bulb.

Instantaneous capacity listed.

Due to continuing improvements, specifications are subject to change without notice.