




# Aire-Flo 12™ AIR CONDITIONER

If it's the best you seek when choosing an air conditioner, evaluate factors such as quality, efficiency, comfort and performance. With years of field use, the features of the Aire-Flo 12™ air conditioner have been finely-honed by customers, service technicians and engineers. Aire-Flo— a name backed by over 50 years of expertise in the industry.



# FEATURES

- Limited warranties:  
5 year covered parts;  
10 year compressor\*
- Heavy gauge, textured,  
pre-painted cabinet provides  
corrosion and abrasion  
protection
- High quality condenser  
coil with copper tubing  
and pre-painted, enhanced  
louvered fin for greater heat  
transfer capability
- Service valve gauge ports  
positioned to allow plenty  
of access room
- Hinged control panel allows  
simple access to internal  
components
- Easy access to electrical  
panels, pre-wired for easy  
hook-up
- Factory lubricated  
condenser fan motor
- ETL, ETL (C) approved  
and ARI listed
- EPA Energy Star  
Product 
- Uses efficient Scroll  
Compressors

\* See warranty certificate for details.

## High Performance Copeland® Compressors

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



## External Brass Service/ Shut-off Valves

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



## Liquid Line Filter Drier



The Air-Flo™ filter drier, installed in every unit, prevents moisture, which can damage the compressor.

## Corrosion Protection

The Aire-Flo 12™ air conditioner 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.

## Quality You Can Trust

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

**COPELAND**  
**HONEYWELL**  
**GE MOTORS**



## UNIT DIMENSIONS

MODEL NUMBER	SQUARE BASE (INCHES)	HEIGHT (INCHES)
AFAIR12B18	22 1/2 x 22 1/2	26
AFAIR12B24	22 1/2 x 22 1/2	30
AFAIR12B30	30 x 30	22
AFAIR12B36	30 x 30	26
AFAIR12B42	30 x 30	30
AFAIR12B48	30 x 30	34
AFAIR12B60	30 x 30	38



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# AIRE-FLO 12™ SEER AIR CONDITIONERS

## FEATURES

- All units 12.0 SEER
- Limited warranties: 5 year coveredparts, 10 year compressor\*
- Durable Copeland scroll compressors, with internal pressure relief valves (except AFAIR12B18) 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
- All units run tested
- 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
- Liquid line filter drier installed in every unit
- All units ETL/ETLC approved and ARI listed/certified
- Charged for 15 feet of interconnecting tubing

\*See warranty certificate for details.

## UNIT DIMENSIONS

MODEL NUMBER	SQUARE BASE (INCHES)	HEIGHT (INCHES)
AFAIR12B18	22 1/2 x 22 1/2	27 1/2
AFAIR12B24	22 1/2 x 22 1/2	31 1/2
AFAIR12B30	30 x 30	23 1/2
AFAIR12B30-A	22 1/2 x 22 1/2	27 1/2
AFAIR12B36	30 x 30	27 1/2
AFAIR12B42	30 x 30	31 1/2
AFAIR12B48	30 x 30	35 1/2
AFAIR12B60	30 x 30	39 1/2

AIRE-FLO 12™ AIR CONDITIONER



OUTDOOR UNIT	INDOOR SECTION	AIRFLOW (SCFM)	NET CAPACITY (BTUH/HR)	SEER (BTUH/WATT)
AFAIR12B18	DUP18AA	550	18,000	12.00
AFAIR12B24	DUP24AA	750	23,600	12.00
AFAIR12B30	DUP30AA	950	29,000	12.00
AFAIR12B30-A	DUP30AA+TDR	900	29,000	12.00
AFAIR12B36	DUP42BA	1150	34,600	12.00
AFAIR12B42	DUP42BA+TXV	1300	40,000	12.00
AFAIR12B48	DUP48CA+TXV	1500	47,000	12.00
AFAIR12B60	DUP60CA+TXV	1750	60,000	12.00

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



EPA POLLUTION PREVENTER



# AIRE-FLO 12™ SEER AIR CONDITIONERS

MODEL NUMBER	AFAIR12B18	AFAIR12B24	AFAIR12B30-A	AFAIR12B30	AFAIR12B36	AFAIR12B42	AFAIR12B48	AFAIR12B60	
<b>PHYSICAL DATA</b>									
<b>CONDENSER COIL</b>	Face Area (ft <sup>2</sup> )	9.83	11.47	9.83	12.36	14.83	17.31	19.78	22.25
	Tube / Fin Material	Smooth Cu/AL		Grooved Cu/AL	Smooth Cu/AL				
	Tube Diameter (in.)	3/8							
	No. of rows	1							
<b>CONDENSER FAN</b>	Fins per inch	22	24	20	24	22	24		
	Diameter (in.)	18			22				
	No. of blades	3							
	RPM	1100							
<b>UNIT</b>	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			
<b>ELECTRICAL DATA</b>									
<b>UNIT</b>	Rated Voltage (Volts)	208-230							
	Phase	1							
	Frequency (Hz)	60							
<b>COMPRESSOR</b>	Rated Load Amps	10.0	11.4	13.6		16.4	20.0	21.4	32.1
	Locked Rotor Amps	41	56	67		83	104	137	169
<b>FAN MOTOR</b>	Full Load Amps	0.75		1.4		1.45			
	Locked Rotor Amps	1.4		3.0		3.8			
<b>UNIT</b>	Max. Fuse Size*	15	20	25		30	35	40	60
	Min. Circuit Ampacity**	10.8	12.6	15.5	15.3	18.3	21.8	23.7	34.8

\* 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%.

Unit Size	18	24	30-A	30	36	42	48	60
High Pressure Switch	70L70							
Low Pressure Switch	70L71							
Short Cycle Protection	70L73							
Hard Start Kit	70L80						70L79	
Crankcase Heater	70L83						70L84	
Sound Blanket	70L87				70L88			70L83
Low Ambient Kit	70L90							



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# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAIR12B24

MODEL: AFAIR12B24 / DUP24AA

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																																		
		65					75					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										
70	MBh	23.1	24.0	26.3	28.1	29.9	22.6	23.4	25.7	27.5	29.3	22.1	22.9	25.0	26.7	28.4	21.5	22.3	24.4	26.1	27.8	20.4	21.2	23.2	24.9	26.6	18.9	19.6	21.5	23.2	24.9					
	S/T	0.71	0.59	0.41	0.35	0.30	0.73	0.61	0.42	0.36	0.31	0.75	0.63	0.43	0.37	0.32	0.77	0.65	0.45	0.39	0.34	0.80	0.67	0.47	0.41	0.36	0.81	0.68	0.47	0.41	0.36					
	Delta T	18	15	12	11	10	18	15	12	11	10	18	15	12	11	10	18	16	12	11	10	18	15	12	11	10	17	14	11	10	9					
	KW	1.43	1.46	1.52	1.59	1.65	1.55	1.59	1.65	1.70	1.75	1.66	1.70	1.77	1.81	1.85	1.76	1.80	1.87	1.91	1.95	1.84	1.89	1.96	2.00	2.03	1.92	1.96	2.03	2.07	2.10					
	AMPS	6.2	6.3	6.5	6.7	6.8	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.7	7.8	7.9	8.0	8.2	8.5	8.8	9.0	8.3	8.5	8.8	9.1	9.3	8.8	9.0	9.3	9.6	9.8					
	HI PR	141	152	161	169	177	159	171	180	188	196	181	194	205	213	221	206	221	234	249	263	231	249	263	277	290	256	275	290	304	317					
	LO PR	57	61	67	73	79	61	65	70	75	80	63	67	73	78	83	66	70	77	83	88	69	74	81	87	92	72	76	83	88	92					
	MBh	22.5	23.3	25.5	27.3	29.1	21.9	22.7	24.9	26.7	28.4	21.4	22.2	24.3	26.1	27.8	20.9	21.6	23.7	25.5	27.2	19.8	20.6	22.5	24.3	26.0	18.4	19.1	20.9	22.6	24.3					
	S/T	0.67	0.56	0.39	0.33	0.28	0.70	0.58	0.40	0.34	0.29	0.72	0.60	0.41	0.35	0.30	0.74	0.62	0.43	0.37	0.32	0.77	0.64	0.44	0.38	0.33	0.77	0.65	0.45	0.39	0.34					
	Delta T	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	17	15	11	10	9					
75	KW	1.42	1.45	1.50	1.55	1.60	1.54	1.58	1.63	1.67	1.71	1.65	1.69	1.75	1.79	1.83	1.75	1.79	1.85	1.90	1.94	1.83	1.87	1.94	1.98	2.02	1.90	1.94	2.02	2.06	2.10					
	AMPS	6.1	6.3	6.5	6.7	6.8	6.6	6.8	7.0	7.1	7.2	7.2	7.4	7.6	7.7	7.9	7.9	8.1	8.4	8.7	8.9	8.2	8.4	8.7	9.0	9.2	8.7	8.9	9.2	9.5	9.7					
	HI PR	140	151	159	167	175	157	169	179	187	195	179	192	203	211	219	204	219	231	247	260	229	247	260	272	288	253	272	288	304	319					
	LO PR	57	60	66	72	78	60	64	70	75	80	62	66	72	77	82	66	70	76	81	86	69	73	80	85	90	71	76	83	88	92					
	MBh	20.7	21.5	23.5	25.3	27.1	20.2	21.0	23.0	24.8	26.5	19.8	20.5	22.4	24.1	25.8	19.3	20.0	21.9	23.6	25.3	18.3	19.0	20.8	22.5	24.2	17.0	17.6	19.3	20.9	22.5					
	S/T	0.65	0.54	0.38	0.32	0.27	0.67	0.56	0.39	0.33	0.28	0.69	0.58	0.40	0.34	0.29	0.71	0.59	0.41	0.35	0.30	0.74	0.62	0.43	0.37	0.32	0.75	0.62	0.43	0.37	0.32					
	Delta T	19	16	13	11	10	19	17	13	11	10	19	17	13	11	10	19	17	13	11	10	19	17	13	11	10	18	15	12	11	10					
	KW	1.38	1.41	1.46	1.50	1.54	1.50	1.53	1.59	1.63	1.67	1.60	1.64	1.70	1.74	1.78	1.70	1.74	1.80	1.85	1.89	1.78	1.82	1.89	1.94	1.98	1.84	1.89	1.96	2.00	2.04					
	AMPS	6.0	6.1	6.3	6.4	6.5	6.4	6.6	6.8	6.9	7.0	7.0	7.2	7.4	7.5	7.7	7.5	7.7	7.9	8.2	8.4	8.0	8.2	8.4	8.6	8.8	8.4	8.6	8.9	9.1	9.3					
	HI PR	136	146	154	161	168	152	164	173	180	187	173	187	197	207	216	198	213	224	239	252	222	239	252	264	279	245	264	279	291	304					
LO PR	55	59	64	70	75	58	62	68	73	78	61	64	70	75	80	64	68	74	79	83	67	71	77	81	85	69	73	80	84	88						
80	MBh	23.5	24.2	26.2	28.1	29.9	23.0	23.7	25.6	27.5	29.3	22.4	23.1	25.0	26.8	28.4	21.9	22.6	24.4	26.1	27.7	20.8	21.5	23.2	24.9	26.5	19.6	20.2	21.8	23.4	24.9					
	S/T	0.80	0.72	0.54	0.46	0.39	0.83	0.74	0.56	0.48	0.41	0.85	0.76	0.58	0.50	0.43	0.88	0.79	0.61	0.53	0.46	0.90	0.81	0.63	0.55	0.48	0.91	0.82	0.64	0.56	0.49					
	Delta T	20	19	15	11	10	21	19	16	11	10	21	19	16	11	10	21	19	16	11	10	21	19	16	11	10	20	18	14	11	10					
	KW	1.44	1.48	1.53	1.59	1.64	1.57	1.61	1.66	1.70	1.74	1.68	1.72	1.76	1.80	1.84	1.78	1.82	1.86	1.90	1.94	1.85	1.89	1.93	1.97	2.01	1.92	1.96	2.00	2.04	2.08					
	AMPS	6.2	6.4	6.6	6.8	6.9	6.7	6.9	7.1	7.2	7.3	7.3	7.5	7.8	8.1	8.3	8.1	8.3	8.6	8.9	9.1	8.8	9.0	9.3	9.6	9.8	9.5	9.7	10.0	10.3	10.5					
	HI PR	143	154	162	169	176	160	173	182	190	198	182	196	207	216	224	208	223	234	245	256	231	246	257	268	278	291	306	317	327	336					
	LO PR	58	62	67	72	77	61	65	71	76	80	64	68	74	79	83	67	71	77	82	86	70	74	79	83	87	83	87	91	94	97					
	MBh	22.8	23.5	25.4	27.3	29.1	22.3	23.0	24.9	26.7	28.4	21.8	22.4	24.3	26.0	27.6	21.2	21.8	23.6	25.3	26.9	20.1	20.7	22.4	24.0	25.5	18.9	19.4	20.9	22.4	23.8					
	S/T	0.77	0.68	0.52	0.44	0.37	0.79	0.71	0.54	0.46	0.39	0.81	0.73	0.55	0.47	0.40	0.84	0.75	0.57	0.49	0.42	0.86	0.77	0.59	0.51	0.44	0.87	0.78	0.60	0.52	0.45					
	Delta T	21	20	16	11	10	21	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	21	20	16	11	10					
85	KW	21	20	16	11	10	21	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	21	20	16	11	10
	AMPS	21	20	16	11	10	21	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	21	20	16	11	10
	HI PR	21	20	16	11	10	21	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	21	20	16	11	10
	LO PR	21	20	16	11	10	21	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	22	20	16	11	10	21	20	16	11	10
	MBh	22.5	23.3	25.5	27.3	29.1	21.9	22.7	24.9	26.7	28.4	21.4	22.2	24.3	26.1	27.8	20.9	21.6	23.7	25.5	27.2	19.8	20.6	22.5	24.3	26.0	18.4	19.1	20.9	22.6	24.3					
	S/T	0.67	0.56	0.39	0.33	0.28	0.70	0.58	0.40	0.34	0.29	0.72	0.60	0.41	0.35	0.30	0.74	0.62	0.43	0.37	0.32	0.77	0.64	0.44	0.38	0.33	0.77	0.65	0.45	0.39	0.34					
	Delta T	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	19	16	12	11	10	17	15	11	10	9					
	KW	1.42	1.45	1.50	1.55	1.60	1.54	1.58	1.63	1.67	1.71	1.65	1.69	1.75	1.79	1.83	1.75	1.79	1.85	1.90	1.94	1.83	1.87	1.94	1.98	2.02	1.90	1.94	2.02	2.06	2.10					
	AMPS	6.1	6.3	6.5	6.7	6.8	6.6	6.8	7.0	7.1	7.2	7.2	7.4	7.6	7.7	7.9	7.9	8.1	8.4	8.7	8.9	8.2	8.4	8.7	9.0	9.2	8.7	8.9	9.2	9.5	9.7					
	HI PR	140	151	159	167	175	157	169	179	187	195	179	192	203	211	219	204	219	231	247	260	229	247	260	272	288	253	272	288	304	319					
LO PR	57	60	66	72	78	60	64	70	75	80	62	66	72	77	82	66	70	76	81	86	69	73	80	85	90	71	76	83	88	92						

\*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 FAIR12B24

MODEL: FAIR12B24 / DUP24AA

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																																		
		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					
80	MBh	23.9	24.5	26.1	27.9	29.4	23.9	24.5	26.1	27.9	29.4	23.3	23.9	25.5	27.3	28.8	22.8	23.3	24.9	26.6	28.3	22.3	22.8	24.3	26.0	27.7	21.2	21.6	23.1	24.7	26.4	19.6	19.6	20.0	21.4	22.9
	S/T	0.88	0.83	0.67	0.50	0.31	0.86	0.70	0.52	0.33	0.16	0.88	0.71	0.53	0.33	0.16	0.91	0.74	0.55	0.33	0.16	0.97	0.81	0.61	0.41	0.21	1.00	0.94	0.76	0.57	0.37	1.00	0.95	0.77	0.58	0.38
	Delta T	23	22	19	15	11	23	22	19	15	11	22	22	19	15	11	22	22	19	15	11	23	22	19	15	11	23	22	19	15	11	21	21	18	14	10
	KW	1.46	1.49	1.54	1.60	1.68	1.62	1.68	1.74	1.80	1.87	1.69	1.74	1.80	1.87	1.94	1.74	1.81	1.87	1.94	2.00	1.79	1.84	1.91	1.98	2.05	1.88	1.93	2.00	2.07	2.15	1.95	2.00	2.07	2.15	2.22
	AMPS	6.3	6.4	6.7	6.9	7.2	7.0	7.2	7.5	7.8	8.1	7.4	7.6	7.8	8.1	8.4	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.4	8.6	8.9	9.3	9.8	8.9	9.1	9.5	9.8	10.3
	HI PR	144	155	164	171	184	174	184	192	209	218	184	198	209	218	226	209	218	226	238	249	238	249	268	280	291	268	280	291	309	324	281	281	281	281	309
	LO PR	59	62	68	72	84	66	72	77	84	98	64	68	75	80	88	75	80	88	98	110	88	98	110	125	140	71	75	82	88	98	73	78	85	91	100
	MBh	23.2	23.7	25.4	27.1	28.8	23.2	23.7	25.4	27.1	28.8	22.2	22.6	24.2	25.9	27.6	21.6	22.1	23.6	25.2	26.9	21.0	21.5	23.0	24.6	26.3	20.5	21.0	22.4	24.0	25.7	19.0	19.4	20.8	22.2	23.9
	S/T	0.84	0.79	0.64	0.48	0.31	0.82	0.66	0.50	0.33	0.16	0.84	0.68	0.51	0.33	0.16	0.86	0.70	0.53	0.33	0.16	0.92	0.76	0.59	0.41	0.21	0.96	0.90	0.73	0.55	0.37	0.96	0.90	0.74	0.57	0.39
	Delta T	24	23	20	16	12	23	23	20	16	12	23	23	20	16	12	24	24	21	17	13	24	24	21	17	13	24	23	20	16	12	22	22	19	15	11
	KW	1.44	1.48	1.53	1.59	1.66	1.61	1.66	1.73	1.78	1.85	1.68	1.72	1.78	1.85	1.92	1.78	1.82	1.88	1.94	2.00	1.85	1.91	1.97	2.03	2.10	1.86	1.91	1.98	2.05	2.13	1.93	1.98	2.05	2.13	2.21
	AMPS	6.2	6.4	6.6	6.8	7.1	6.9	7.1	7.4	7.8	8.1	7.3	7.5	7.8	8.1	8.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.3	8.6	8.8	9.2	9.7	8.8	9.1	9.4	9.7	10.3
HI PR	143	154	162	169	182	173	182	190	207	216	182	196	207	216	224	207	216	224	236	246	224	234	252	266	277	252	262	277	288	306	278	278	278	283	306	
LO PR	58	62	67	72	84	65	71	76	84	98	64	68	74	79	87	79	83	90	98	110	87	90	98	110	125	71	75	81	87	90	73	77	84	90	100	
MBh	21.4	21.9	23.4	25.0	26.5	21.4	21.9	23.4	25.0	26.5	20.4	20.9	22.3	23.9	25.4	20.0	20.4	21.8	23.3	24.8	19.4	19.4	20.7	22.1	23.5	17.6	17.6	19.2	20.7	22.1	17.6	17.9	19.2	20.5	22.0	
S/T	0.81	0.76	0.62	0.46	0.31	0.79	0.64	0.48	0.33	0.16	0.81	0.66	0.50	0.33	0.16	0.83	0.68	0.51	0.33	0.16	0.86	0.70	0.53	0.33	0.16	0.92	0.86	0.70	0.53	0.37	0.93	0.87	0.71	0.53	0.37	
Delta T	25	24	20	16	12	24	24	21	17	13	24	24	21	17	13	24	24	21	17	13	24	24	21	17	13	24	24	21	17	13	22	22	19	15	11	
KW	1.40	1.44	1.49	1.54	1.61	1.56	1.62	1.68	1.73	1.80	1.63	1.67	1.73	1.80	1.87	1.73	1.77	1.84	1.90	1.96	1.85	1.89	1.96	2.02	2.09	1.88	1.93	2.00	2.07	2.15	1.93	1.98	2.05	2.13	2.21	
AMPS	6.1	6.2	6.4	6.7	6.9	6.7	6.9	7.2	7.6	7.9	7.1	7.3	7.5	7.8	8.1	7.6	7.8	8.1	8.4	8.7	8.3	8.3	8.6	8.9	9.2	8.6	8.8	9.1	9.4	9.9	8.8	8.8	9.1	9.5	10.0	
HI PR	139	149	158	164	177	167	177	184	201	210	177	190	201	210	222	201	210	222	239	251	222	239	251	269	288	251	269	288	306	324	270	270	270	285	297	
LO PR	56	60	65	70	84	63	69	74	84	98	62	66	72	76	84	84	88	94	100	110	72	76	82	88	94	84	88	94	100	110	70	75	82	88	94	
85	MBh	24.4	24.8	26.0	27.7	29.4	24.2	24.8	26.4	28.1	29.8	23.7	24.3	25.9	27.6	29.3	22.7	23.3	24.9	26.6	28.3	22.0	22.6	24.2	25.9	27.6	21.5	21.9	23.0	24.5	26.0	19.9	19.9	20.3	21.3	22.7
	S/T	0.92	0.89	0.80	0.65	0.50	0.92	0.83	0.68	0.50	0.33	0.95	0.85	0.68	0.50	0.33	1.00	0.98	0.88	0.72	0.55	1.00	1.00	0.91	0.74	0.57	1.00	1.00	0.91	0.74	0.57	1.00	1.00	0.92	0.75	0.58
	Delta T	24	24	23	20	16	24	24	23	20	16	24	24	23	20	16	25	24	23	20	16	25	24	23	20	16	23	24	23	20	16	22	22	21	18	14
	KW	1.47	1.50	1.56	1.61	1.68	1.64	1.69	1.76	1.82	1.88	1.71	1.75	1.82	1.88	1.94	1.81	1.86	1.92	1.99	2.05	1.94	1.99	2.05	2.11	2.17	1.97	2.01	2.09	2.17	2.25	1.97	2.02	2.09	2.17	2.25
	AMPS	6.4	6.5	6.7	7.0	7.3	6.9	7.0	7.3	7.6	7.9	7.5	7.6	7.9	8.2	8.5	8.0	8.2	8.5	8.8	9.1	8.5	8.7	9.0	9.3	9.6	9.0	9.2	9.5	9.8	10.3	9.0	9.2	9.5	9.9	10.4
	HI PR	146	157	166	173	186	164	176	186	200	211	166	180	194	209	221	200	211	221	238	251	238	251	263	283	299	263	283	299	312	324	283	283	283	299	312
	LO PR	59	63	69	73	84	63	67	73	77	84	65	69	75	80	88	73	77	84	90	98	84	88	94	100	110	74	76	83	88	94	74	79	86	92	100
	MBh	23.6	24.1	25.2	26.9	28.5	23.5	24.7	26.3	28.0	29.7	22.5	23.0	24.1	25.7	27.4	22.0	22.4	23.5	25.1	26.7	21.3	21.3	22.3	23.8	25.4	20.9	21.3	22.3	23.8	25.4	19.4	19.4	19.7	20.7	22.0
	S/T	0.88	0.85	0.77	0.62	0.46	0.91	0.88	0.79	0.64	0.48	0.94	0.90	0.81	0.66	0.50	0.97	0.93	0.84	0.68	0.51	1.00	0.97	0.87	0.71	0.54	1.00	0.97	0.87	0.71	0.54	1.00	0.97	0.88	0.71	0.54
	Delta T	26	25	24	21	17	26	25	24	21	17	26	25	24	21	17	26	26	24	21	17	26	26	24	21	17	26	25	24	21	17	24	24	22	19	15
	KW	1.46	1.49	1.54	1.60	1.66	1.62	1.68	1.74	1.80	1.87	1.69	1.74	1.80	1.87	1.94	1.79	1.84	1.91	1.98	2.05	1.88	1.93	2.00	2.07	2.15	1.95	2.00	2.07	2.15	2.22	2.00	2.07	2.15	2.22	2.30
	AMPS	6.3	6.4	6.7	6.9	7.2	7.0	7.2	7.5	7.8	8.1	7.4	7.6	7.8	8.1	8.4	8.1	8.1	8.1	8.1	8.1	8.4	8.6	8.9	9.3	9.8	8.9	9.1	9.5	9.8	10.3	9.1	9.5	9.8	10.3	10.8
HI PR	144	155	164	171	184	162	174	184	198	209	162	174	184	198	209	209	218	226	238	249	238	249	268	280	291	268	280	291	309	324	281	281	281	281	309	
LO PR	59	62	68	72	84	62	66	72	77	84	64	68	75	80	88	75	80	88	98	110	88	98	110	125	140	71	75	82	88	94	73	78	85	91	100	
MBh	21.8	22.2	23.3	24.9	26.5	21.7	22.8	24.3	26.0	27.7	20.8	21.2	22.2	23.7	25.4	20.3	20.7	21.7	23.1	24.8	19.7	19.7	20.6	22.0	23.5	19.3	19.7	20.6	22.0	23.5	18.2	18.2	19.1	20.3	21.8	
S/T	0.85	0.82	0.74	0.60	0.45	0.88	0.85	0.77	0.62	0.46	0.90	0.87	0.79	0.64	0.48	0.93	0.90	0.81	0.66	0.51	0.97	0.93	0.84	0.68	0.51	0.97	0.93	0.84	0.68	0.51	0.97	0.94	0.85	0.69	0.53	
Delta T	26	26	24	21	17	26	26	25	21	17	26	26	25	21	17	27	26	25	22	18	26	26	25	21	17	26	26	25	21	17	25	25	24	23	20	
KW	1.42	1.45	1.50	1.56	1.61	1.54	1.58	1.6																												

# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAIR12B30-A

MODEL: AFAIR12B30-A / DUP30AA (HA05)

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																							
		65			75			85			95			105			115								
		ENTERING INDOOR WET BULB TEMPERATURE																							
		59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135				
70	MBh	27.4	28.4	31.1	-	26.7	27.7	30.4	-	26.1	27.0	29.6	-	25.5	26.4	28.9	-	24.2	25.1	27.5	-	22.4	23.2	25.4	-
	S/T	0.66	0.65	0.38	-	0.68	0.57	0.39	-	0.70	0.68	0.40	-	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.76	0.63	0.44	-
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	KW	2.08	2.12	2.18	-	2.23	2.27	2.34	-	2.36	2.41	2.48	-	2.48	2.53	2.61	-	2.57	2.63	2.71	-	2.66	2.72	2.80	-
	AMPS	8.0	8.2	8.5	-	8.6	8.8	9.1	-	9.4	9.6	9.9	-	10.0	10.2	10.5	-	10.6	10.8	11.2	-	11.2	11.5	11.9	-
	HI PR	139	149	158	-	156	168	177	-	177	191	201	-	202	217	229	-	227	244	258	-	251	270	285	-
	LO PR	57	61	67	-	61	64	70	-	63	67	73	-	66	70	77	-	69	74	80	-	72	76	83	-
	MBh	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.5	27.5	30.1	-	25.8	26.8	29.3	-	24.5	25.4	27.9	-	22.7	23.6	25.8	-
	S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.72	0.61	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
	KW	2.11	2.15	2.21	-	2.26	2.30	2.37	-	2.39	2.44	2.52	-	2.51	2.56	2.64	-	2.61	2.66	2.75	-	2.70	2.75	2.84	-
	AMPS	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.0	11.4	-	11.4	11.7	12.0	-
HI PR	141	152	160	-	158	171	180	-	180	194	205	-	205	221	233	-	231	248	262	-	255	275	290	-	
LO PR	58	62	68	-	62	66	72	-	64	68	74	-	67	72	78	-	70	75	82	-	73	78	85	-	
MBh	28.2	29.2	32.0	-	27.5	28.5	31.3	-	26.9	27.9	30.5	-	26.2	27.2	29.8	-	24.9	25.8	28.3	-	23.1	23.9	26.2	-	
S/T	0.71	0.69	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	
Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
KW	2.12	2.16	2.22	-	2.27	2.32	2.39	-	2.41	2.45	2.53	-	2.52	2.58	2.66	-	2.62	2.68	2.76	-	2.71	2.77	2.86	-	
AMPS	8.2	8.4	8.6	-	8.8	9.0	9.3	-	9.6	9.8	10.1	-	10.2	10.4	10.8	-	10.8	11.1	11.4	-	11.5	11.7	12.1	-	
HI PR	142	153	162	-	160	172	181	-	181	195	206	-	207	222	235	-	233	250	264	-	257	276	292	-	
LO PR	59	62	68	-	62	66	72	-	64	69	75	-	68	72	79	-	71	76	82	-	73	78	85	-	

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																								
		65			75			85			95			105			115									
		ENTERING INDOOR WET BULB TEMPERATURE																								
		59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135					
75	MBh	27.8	28.7	31.0	33.3	27.2	28.0	30.3	32.5	26.5	27.3	29.6	31.7	25.9	26.7	28.8	31.0	24.6	25.3	27.4	29.4	22.8	23.5	25.4	27.2	
	S/T	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37	
	Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
	KW	2.10	2.14	2.20	2.27	2.25	2.29	2.36	2.43	2.38	2.43	2.50	2.59	2.50	2.55	2.63	2.71	2.60	2.65	2.73	2.82	2.68	2.74	2.82	2.91	
	AMPS	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.7	10.0	10.3	10.1	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.4	
	HI PR	140	151	159	166	157	169	179	186	179	193	203	212	204	219	232	242	229	229	247	261	272	283	288	300	
	LO PR	58	62	67	72	61	65	71	76	71	64	68	74	79	67	71	78	83	70	74	81	87	72	77	84	90
	MBh	28.3	29.1	31.5	33.8	27.6	28.4	30.8	33.0	33.0	26.9	27.7	30.0	32.2	26.3	27.1	29.3	31.4	25.0	25.7	27.8	29.9	23.1	23.8	25.8	27.7
	S/T	0.78	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39	
	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
	KW	2.12	2.17	2.23	2.30	2.28	2.32	2.39	2.47	2.41	2.46	2.54	2.62	2.53	2.58	2.66	2.75	2.63	2.69	2.77	2.86	2.72	2.78	2.86	2.96	
	AMPS	8.2	8.4	8.7	9.0	8.8	9.0	9.3	9.7	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.1	11.5	11.9	11.5	11.8	12.2	12.6	
HI PR	143	154	162	169	160	172	182	190	182	196	207	216	207	223	236	246	233	233	251	265	276	288	293	305		
LO PR	59	63	68	73	62	66	72	77	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91	
MBh	28.7	29.5	32.0	34.3	28.0	28.8	31.2	33.5	33.5	27.3	28.2	30.5	32.7	26.7	27.5	29.7	31.9	25.3	26.1	28.2	30.3	23.5	24.2	26.2	28.1	
S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40		
Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	21	20	16	11	20	18	15	10	
KW	2.14	2.18	2.24	2.31	2.29	2.33	2.41	2.48	2.42	2.47	2.55	2.63	2.54	2.60	2.68	2.76	2.65	2.70	2.79	2.88	2.73	2.79	2.88	2.97		
AMPS	8.3	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.2	11.6	12.0	11.6	11.8	12.2	12.7		
HI PR	144	155	163	170	161	173	183	191	183	197	208	217	209	225	237	247	235	235	253	267	278	280	295	308		
LO PR	59	63	69	73	63	67	73	78	78	65	69	76	81	68	73	79	85	72	76	83	89	74	79	86	92	

\*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 FAIR12B30-A

### COOLING OPERATION

MODEL: FAIR12B30-A / DUP30AA (HA05)

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE																												
	65				75				85				95				105				115								
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	MBh	28.3	28.9	30.9	33.1	27.7	28.3	30.2	32.3	27.0	27.6	29.5	31.5	26.3	26.9	28.8	30.7	25.0	25.6	27.3	29.2	23.2	23.7	25.3	27.1	23.2	23.7	25.3	27.1
	ST	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.48	0.87	0.82	0.67	0.50	0.84	0.84	0.69	0.51	0.93	0.88	0.71	0.53	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	25	21	17	25	24	21	17	24	23	20	16	24	23	20	16
	KW	2.11	2.15	2.22	2.28	2.26	2.31	2.38	2.45	2.40	2.45	2.52	2.60	2.52	2.57	2.65	2.73	2.62	2.67	2.75	2.84	2.70	2.76	2.85	2.94	2.70	2.76	2.85	2.94
	AMPS	8.2	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.7	10.1	10.4	10.4	10.6	10.7	11.1	10.8	11.0	11.4	11.8	11.4	11.7	12.1	12.5	11.4	11.7	12.1	12.5
	HI PR	142	152	161	168	159	171	181	188	181	195	205	214	206	222	234	244	244	249	263	275	256	265	275	291	256	265	275	291
	LO PR	58	62	68	72	62	66	72	76	64	68	75	79	67	72	78	83	71	75	82	87	73	78	85	90	73	78	85	90
	MBh	28.8	29.4	31.4	33.6	28.1	28.7	30.7	32.8	27.4	28.0	29.9	32.0	26.7	27.3	29.2	31.2	25.4	26.0	27.7	29.7	23.5	24.1	25.7	27.5	23.5	24.1	25.7	27.5
	ST	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16	23	22	20	16
900	KW	2.14	2.18	2.25	2.31	2.29	2.34	2.41	2.49	2.43	2.48	2.56	2.64	2.60	2.65	2.71	2.79	2.65	2.71	2.79	2.88	2.74	2.80	2.89	2.98	2.74	2.80	2.89	2.98
	AMPS	8.3	8.5	8.7	9.0	8.9	9.1	9.4	9.8	9.7	9.9	10.2	10.6	10.3	10.6	10.9	11.3	11.0	11.2	11.6	12.0	11.6	11.9	12.3	12.7	11.6	11.9	12.3	12.7
	HI PR	144	155	164	171	162	174	184	192	184	198	209	218	209	225	238	248	236	254	268	279	260	280	296	309	260	280	296	309
	LO PR	59	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92	74	79	86	92
	MBh	29.2	29.8	31.9	34.1	28.5	29.1	31.1	33.3	27.8	28.4	30.4	32.5	27.1	27.7	29.6	31.7	25.8	26.4	28.2	30.1	23.9	24.4	26.1	27.9	23.9	24.4	26.1	27.9
	ST	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.58
	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	22	21	19	15
	KW	2.15	2.19	2.26	2.33	2.31	2.35	2.42	2.50	2.44	2.49	2.57	2.65	2.62	2.67	2.70	2.78	2.67	2.72	2.79	2.88	2.75	2.81	2.90	3.00	2.75	2.81	2.90	3.00
	AMPS	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.7	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.3	11.7	12.1	11.7	12.1	12.5	12.8	11.7	12.1	12.5	12.8
	HI PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	240	250	237	255	270	281	262	282	298	311	262	282	298	311
LO PR	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	85	72	77	84	90	75	80	87	93	75	80	87	93	

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE																												
	65				75				85				95				105				115								
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
85	MBh	28.8	29.4	30.8	32.8	28.1	28.7	30.0	32.1	27.5	28.0	29.3	31.3	26.8	27.3	28.6	30.5	25.5	26.0	27.2	29.0	23.6	24.0	25.2	26.9	23.6	24.0	25.2	26.9
	ST	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.91	0.88	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.86	0.70	0.99	0.95	0.86	0.70
	Delta T	27	26	25	22	27	27	25	22	27	27	25	22	27	27	25	22	27	27	25	22	25	25	23	20	25	25	23	20
	KW	2.13	2.17	2.23	2.30	2.28	2.33	2.40	2.47	2.42	2.47	2.54	2.62	2.54	2.59	2.67	2.75	2.64	2.69	2.78	2.87	2.72	2.78	2.87	2.96	2.72	2.78	2.87	2.96
	AMPS	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.1	11.5	11.9	11.5	11.8	12.2	12.6	11.5	11.8	12.2	12.6
	HI PR	143	154	163	170	161	173	182	190	183	196	207	216	208	224	236	246	234	252	266	277	258	278	294	306	258	278	294	306
	LO PR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	79	86	91	74	79	86	91
	MBh	29.3	29.8	31.2	33.3	28.6	29.1	30.5	32.5	27.9	28.4	29.8	31.8	27.2	27.7	29.1	31.0	25.9	26.4	27.6	29.4	23.9	24.4	25.6	27.3	23.9	24.4	25.6	27.3
	ST	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72	1.00	0.99	0.89	0.72
	Delta T	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	27	26	25	22	24	24	23	20	24	24	23	20
900	KW	2.16	2.20	2.26	2.33	2.31	2.36	2.43	2.50	2.45	2.50	2.58	2.66	2.57	2.62	2.71	2.79	2.67	2.73	2.82	2.91	2.76	2.82	2.91	3.00	2.76	2.82	2.91	3.00
	AMPS	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.8	10.0	10.3	10.7	10.4	10.7	11.0	11.4	11.1	11.3	11.7	12.1	11.7	12.0	12.4	12.8	11.7	12.0	12.4	12.8
	HI PR	146	157	165	172	163	176	186	194	186	200	211	220	212	228	240	251	238	256	270	282	263	283	299	312	263	283	299	312
	LO PR	60	64	70	74	63	68	74	79	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93	75	80	87	93
	MBh	29.7	30.3	31.7	33.8	29.0	29.6	31.0	33.0	28.3	28.9	30.2	32.2	27.6	28.2	29.5	31.5	26.2	26.7	28.0	29.9	24.3	24.8	26.0	27.7	24.3	24.8	26.0	27.7
	ST	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76	1.00	1.00	0.93	0.76
	Delta T	25	25	24	20	26	25	24	21	26	25	24	21	25	25	24	21	24	24	24	21	22	22	22	19	22	22	22	19
	KW	2.17	2.21	2.28	2.34	2.32	2.37	2.44	2.52	2.46	2.51	2.59	2.67	2.58	2.64	2.72	2.81	2.69	2.74	2.83	2.92	2.78	2.84	2.93	3.02	2.78	2.84	2.93	3.02
	AMPS	8.4	8.6	8.9	9.2	9.1	9.3	9.6	9.9	9.8	10.0	10.4	10.7	10.5	10.7	11.1	11.5	11.1	11.4	11.8	12.2	11.8	12.1	12.5	12.9	11.8	12.1	12.5	12.9
	HI PR	147	158	167	174	164	177	187	195	187	201	213	222	213	229	242	252	240	258	272	284	265	285	301	314	265	285	301	314
LO PR	61	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	94	76	80	88	94	

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





# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAR12B36

MODEL: AFAR12B36 / DUP42BA

### COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				95				105				115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71					
80	MBh	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	33.4	34.1	36.4	39.0	32.6	33.3	35.6	38.0	30.9	31.6	33.8	36.1	28.7	29.3	31.3	33.4	
	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	1.00	0.93	0.76	0.57	1.00	0.94	0.76	0.57	
	Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	24	23	20	16	22	21	18	15
	KW	2.31	2.36	2.44	2.53	2.50	2.56	2.65	2.75	2.68	2.74	2.84	2.94	2.83	2.90	3.00	3.11	2.96	3.03	3.14	3.25	3.07	3.15	3.15	3.26	3.38
	AMPS	10.3	10.6	10.9	11.3	11.1	11.4	11.8	12.2	12.1	12.4	12.8	13.2	12.9	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.5	14.5	14.9	15.4	15.9
	HI PR	143	154	162	169	160	172	182	190	182	196	207	216	207	223	236	246	233	251	265	277	258	277	277	293	306
	LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91	91
	MBh	34.7	35.4	37.8	40.5	33.9	34.6	37.0	39.5	33.0	33.8	36.1	38.6	32.2	32.9	35.2	37.6	30.6	31.3	33.4	35.7	28.4	29.0	31.0	33.1	
	S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	0.98	0.92	0.75	0.56	
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16	16
	KW	2.30	2.35	2.44	2.52	2.50	2.56	2.65	2.74	2.67	2.73	2.83	2.93	2.82	2.89	2.99	3.10	2.95	3.02	3.13	3.25	3.06	3.14	3.25	3.37	3.37
	AMPS	10.3	10.5	10.9	11.3	11.1	11.4	11.7	12.2	12.1	12.3	12.7	13.2	12.9	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.5	14.8	15.3	15.9	15.9
HI PR	142	153	162	169	160	172	181	189	182	195	206	215	207	223	235	245	233	250	264	276	257	277	292	305	305	
LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	82	88	73	78	85	91	91	
MBh	34.3	35.1	37.5	40.0	33.5	34.2	36.6	39.1	32.7	33.4	35.7	38.2	31.9	32.6	34.8	37.3	30.3	31.0	33.1	35.4	28.1	28.7	30.7	32.8	32.8	
S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55		
Delta T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	26	25	21	17	24	23	20	16	
KW	2.27	2.33	2.41	2.49	2.47	2.53	2.61	2.71	2.64	2.70	2.80	2.90	2.79	2.86	2.96	3.06	2.92	2.99	3.09	3.21	3.03	3.10	3.21	3.33	3.33	
AMPS	10.2	10.4	10.8	11.1	11.0	11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.7	13.0	13.4	13.9	13.5	13.8	14.3	14.8	14.3	14.3	14.6	15.1	15.7	
HI PR	140	151	160	166	158	170	179	187	179	193	204	212	204	220	232	242	230	247	261	272	254	273	288	301	301	
LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	72	77	84	90	90	

85	MBh	35.6	36.3	38.0	40.6	34.8	35.5	37.1	39.6	34.0	34.6	36.3	38.7	33.1	33.8	35.4	37.7	31.5	32.1	33.6	35.9	29.2	29.7	31.1	33.2	
	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	1.00	0.91	0.74	1.00	1.00	0.91	0.74	
	Delta T	25	25	23	20	25	25	23	20	25	25	24	20	25	25	24	20	24	24	25	23	20	22	23	22	19
	KW	2.33	2.38	2.46	2.55	2.53	2.59	2.68	2.77	2.70	2.77	2.86	2.97	2.86	2.92	2.92	3.03	3.14	2.99	3.06	3.17	3.28	3.10	3.18	3.29	3.41
	AMPS	10.4	10.7	11.0	11.4	11.2	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.0	13.3	13.3	13.8	14.3	13.8	14.2	14.6	15.2	14.6	15.0	15.5	16.1
	HI PR	144	155	164	171	162	174	184	192	184	198	209	218	209	225	238	248	236	254	268	279	260	280	296	309	309
	LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92	92
	MBh	35.3	35.9	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.3	35.9	38.3	32.9	33.4	35.0	37.4	31.2	31.8	33.3	35.5	28.9	29.4	30.8	32.9	
	S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	1.00	1.00	0.89	0.72	1.00	0.99	0.90	0.73	
	Delta T	26	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	26	26	26	25	21	24	24	23	20
	KW	2.32	2.38	2.46	2.55	2.52	2.58	2.67	2.76	2.69	2.76	2.86	2.96	2.85	2.92	2.92	3.02	3.13	2.98	3.05	3.16	3.28	3.09	3.17	3.28	3.40
	AMPS	10.4	10.6	11.0	11.4	11.2	11.5	11.8	12.3	12.2	12.4	12.9	13.3	13.0	13.3	13.3	13.7	14.2	13.8	14.1	14.6	15.1	14.6	15.0	15.4	16.0
HI PR	144	155	163	170	161	174	183	191	183	197	208	217	209	225	237	248	235	253	267	279	260	279	295	308	308	
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	92	
MBh	34.9	35.6	37.3	39.8	34.1	34.8	36.4	38.8	33.3	33.9	35.5	37.9	32.5	33.1	34.7	37.0	30.9	31.5	32.9	35.1	28.6	29.1	30.5	32.6		
S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	1.00	0.88	0.71	1.00	0.98	0.89	0.72		
Delta T	27	27	25	22	27	27	26	22	27	27	26	22	28	27	26	22	27	27	27	25	22	25	25	24	21	
KW	2.29	2.35	2.43	2.52	2.49	2.55	2.64	2.73	2.66	2.73	2.82	2.92	2.81	2.88	2.98	3.09	2.94	3.01	3.12	3.24	3.05	3.13	3.24	3.36	3.36	
AMPS	10.3	10.5	10.9	11.2	11.1	11.3	11.7	12.1	12.0	12.3	12.7	13.2	12.8	13.1	13.6	14.1	13.6	14.0	14.4	15.0	14.4	14.8	15.3	15.8	15.8	
HI PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	244	232	250	264	275	256	276	291	304	304	
LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	78	84	71	75	82	88	73	78	85	91	91	

\*Entering Indoor D - Temperature

NOTE: Shaded area is ARI Rating conditions

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

# EXPANDED PERFORMANCE DATA

## Expanded Ratings for FAIR12B42

MODEL: FAIR12B42 / DUP48CA

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																							
		65	75	85	95	105	115																		
70	1400	MBh	38.4	39.8	43.6	59	63	67	71	71	59	63	67	71											
		S/T	0.72	0.60	0.42	-	37.5	38.9	42.6	-	35.8	37.1	40.6	-	34.0	35.2	38.6	35.7							
		Delta T	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11				
		KW	2.69	2.75	2.85	-	2.92	2.99	3.10	-	3.13	3.21	3.32	-	3.31	3.39	3.52	-	3.47	3.55	3.68	3.88			
		AMPS	12.4	12.7	13.1	-	13.4	13.7	14.2	-	14.5	14.9	15.4	-	15.5	15.9	16.4	-	16.5	16.9	17.5	18.5			
		HI PR	138	149	157	-	155	167	176	-	176	190	200	-	201	216	228	-	226	243	257	268	283		
		LO PR	58	61	67	-	61	65	71	-	63	67	74	-	67	71	77	-	70	74	81	77	84		
	1300	MBh	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4
		S/T	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12
		KW	2.68	2.74	2.84	-	2.91	2.98	3.09	-	3.12	3.20	3.31	-	3.30	3.38	3.51	-	3.46	3.54	3.67	-	3.59	3.68	3.82
		AMPS	12.4	12.6	13.1	-	13.3	13.7	14.1	-	14.5	14.8	15.3	-	15.5	15.9	16.4	-	16.5	16.9	17.4	-	17.5	17.9	18.5
		HI PR	138	148	156	-	154	166	176	-	176	189	200	-	200	215	227	-	225	242	256	-	249	268	283
		LO PR	58	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	70	74	81	-	72	77	84
1225	MBh	37.5	38.9	42.6	-	36.6	37.9	41.6	-	35.7	37.0	40.6	-	34.9	36.1	39.6	-	33.1	34.3	37.6	-	30.7	31.8	34.8	
	S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.79	0.66	0.45	
	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	
	KW	2.64	2.70	2.80	-	2.87	2.94	3.04	-	3.07	3.15	3.26	-	3.25	3.33	3.45	-	3.40	3.49	3.62	-	3.54	3.62	3.76	
	AMPS	12.2	12.5	12.9	-	13.1	13.5	13.9	-	14.3	14.6	15.1	-	15.2	15.6	16.1	-	16.2	16.6	17.2	-	17.2	17.6	18.2	
	HI PR	135	146	154	-	152	163	173	-	173	186	196	-	197	212	223	-	221	238	251	-	244	263	278	
	LO PR	57	60	66	-	60	64	69	-	62	66	72	-	65	69	76	-	68	73	79	-	71	75	82	

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																									
		65	75	85	95	105	115																				
75	1400	MBh	39.1	40.2	43.6	59.3	63	67	71	71	59.3	63	67	71													
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.61	0.84	0.84	0.63	0.41	0.94	0.84	0.64	0.41	
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	
		KW	2.71	2.78	2.88	2.98	2.95	3.02	3.13	3.24	3.16	3.24	3.35	3.48	3.34	3.43	3.55	3.68	3.50	3.59	3.72	3.86	3.64	3.73	3.87	4.01	
		AMPS	12.5	12.8	13.2	13.7	13.5	13.8	14.3	14.8	14.7	15.0	15.5	16.1	15.7	16.1	16.6	17.2	16.7	17.1	17.7	18.3	17.7	18.3	18.7	19.4	
		HI PR	139	150	158	165	157	168	178	185	178	185	192	202	211	203	218	230	240	228	245	259	270	282	271	286	299
		LO PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90	
	1300	MBh	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9	
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	
		KW	2.70	2.77	2.87	2.97	2.94	3.01	3.12	3.24	3.15	3.23	3.34	3.47	3.33	3.42	3.54	3.67	3.49	3.58	3.71	3.85	3.63	3.72	3.85	4.00	
		AMPS	12.5	12.8	13.2	13.7	13.5	13.8	14.2	14.8	14.6	15.0	15.5	16.1	15.6	16.0	16.5	17.2	16.6	17.0	17.6	18.3	17.6	18.1	18.7	19.4	
		HI PR	139	150	158	165	156	168	177	185	177	185	192	202	210	202	218	230	240	227	245	258	270	281	270	285	298
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90	
1225	MBh	38.1	39.2	42.5	45.6	37.2	38.3	41.5	44.5	36.3	37.4	40.5	43.5	35.5	36.5	39.5	42.4	33.7	34.7	37.5	40.3	31.2	32.1	34.8	37.3		
	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39		
	Delta T	22	20	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11		
	KW	2.66	2.73	2.82	2.93	2.89	2.96	3.07	3.18	3.10	3.18	3.29	3.41	3.28	3.36	3.49	3.62	3.44	3.52	3.65	3.79	3.57	3.66	3.79	3.93		
	AMPS	12.3	12.6	13.0	13.5	13.3	13.6	14.0	14.5	14.4	14.7	15.2	15.8	15.4	15.8	16.3	16.9	16.4	16.8	17.3	18.0	17.3	17.8	18.4	19.1		
	HI PR	137	147	155	162	153	165	174	182	174	182	190	207	199	214	226	235	224	241	254	265	247	266	281	293		
	LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	76	81	69	73	80	85	71	76	83	88		

\*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 AFAIR12B42

MODEL: AFAIR12B42 / DUP48CA

COOLING OPERATION

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE																									
	65			75			85			95			105			115										
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
1400	MBH	39.8	40.7	43.4	46.4	48.9	49.3	45.3	37.9	38.8	41.4	44.3	37.0	37.8	40.4	43.2	45.2	35.2	35.9	38.4	41.0	32.6	33.3	35.6	38.0	
	S/T	0.90	0.85	0.69	0.51	0.33	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	21	23	23	20	16	21	21	18	15
	KW	2.74	2.80	2.90	3.01	2.98	3.05	3.16	3.27	3.19	3.27	3.39	3.51	3.38	3.46	3.58	3.72	3.53	3.53	3.62	3.75	3.89	3.67	3.76	3.90	4.05
	AMPS	12.6	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.8	15.2	15.7	16.3	15.8	16.2	16.7	17.4	16.8	17.2	17.2	17.8	18.5	17.8	18.3	18.9	19.6
	HI PR	141	152	160	167	158	170	180	187	180	193	204	213	205	220	233	243	230	230	248	262	273	255	274	289	302
	LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	88	74	78	85	91
	MBH	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	40.0	42.8	34.8	35.6	38.0	40.6	43.2	32.9	32.9	35.2	37.6
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
	1300	Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
KW		2.73	2.79	2.89	3.00	2.97	3.04	3.15	3.27	3.18	3.26	3.38	3.50	3.37	3.45	3.58	3.71	3.52	3.61	3.74	3.88	3.66	3.75	3.89	4.04	
AMPS		12.6	12.9	13.3	13.8	13.6	13.9	14.4	14.9	14.8	15.1	15.6	16.2	15.8	16.2	16.7	17.3	16.8	17.2	17.2	17.8	18.5	17.8	18.3	18.8	19.6
HI PR		140	151	160	166	158	170	179	187	179	193	204	212	204	220	232	242	230	230	247	261	272	254	273	288	301
LO PR		59	62	68	73	62	66	72	77	64	69	75	80	68	72	79	84	71	75	82	88	88	73	78	85	91
MBH		38.8	39.6	42.4	45.3	37.9	38.7	41.4	44.2	37.0	37.8	40.4	43.2	36.1	36.9	39.4	42.1	34.3	35.0	37.4	40.0	42.6	31.8	32.5	34.7	37.1
S/T		0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.84	0.67	0.47	0.98	0.92	0.75	0.56
Delta T		25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	16	23	22	19	16
KW		2.69	2.75	2.85	2.95	2.92	2.99	3.10	3.21	3.13	3.21	3.32	3.45	3.31	3.39	3.52	3.65	3.47	3.55	3.69	3.82	3.60	3.69	3.83	3.97	4.12
AMPS		12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.5	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.5	16.9	17.5	18.2	17.5	17.9	18.5	19.2	19.9
HI PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	226	243	257	268	249	268	283	296	
LO PR	58	61	67	71	61	65	71	75	63	67	74	78	67	71	77	82	70	74	81	86	86	72	77	84	89	

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE																									
	65			75			85			95			105			115										
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
1400	MBH	40.5	41.3	43.2	46.1	39.5	40.3	42.2	45.0	38.6	39.3	41.2	44.0	37.7	38.4	40.2	42.9	35.8	36.5	38.2	40.7	33.1	33.8	35.4	37.7	
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77	
	Delta T	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	24	24	20	22	22	19	19
	KW	2.76	2.83	2.93	3.04	3.00	3.08	3.19	3.30	3.42	3.30	3.42	3.54	3.41	3.49	3.62	3.75	3.57	3.66	3.79	3.93	3.71	3.80	3.94	4.09	4.24
	AMPS	12.7	13.0	13.5	14.0	13.8	14.1	14.5	15.1	15.3	15.8	16.4	16.9	17.5	17.0	17.4	18.0	17.5	17.9	18.0	18.7	18.0	18.0	18.4	19.1	19.8
	HI PR	142	153	162	169	160	172	181	189	182	195	206	215	207	223	235	245	233	233	250	264	276	257	277	292	305
	LO PR	59	63	69	74	63	67	73	78	76	65	69	76	81	69	73	80	85	72	76	83	89	74	79	86	92
	MBH	40.1	40.9	42.8	45.6	39.1	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.3	32.8	33.4	35.0	37.4	
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	1.00	0.98	0.89	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75	
	Delta T	26	26	24	21	27	26	25	21	27	26	25	21	26	26	26	25	22	25	26	25	21	23	24	20	20
KW	2.75	2.82	2.92	3.03	2.99	3.07	3.18	3.30	3.41	3.29	3.41	3.53	3.40	3.48	3.61	3.74	3.56	3.65	3.78	3.92	3.70	3.79	3.93	4.07	4.22	
AMPS	12.7	13.0	13.4	13.9	13.7	14.0	14.5	15.0	15.3	15.8	16.4	16.9	17.5	16.9	17.3	17.9	17.5	16.9	17.4	17.9	18.6	18.0	18.4	19.0	19.7	
HI PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	244	232	232	250	264	275	256	276	291	304	
LO PR	59	63	69	73	63	67	73	77	77	65	69	76	80	68	73	79	85	72	76	83	89	74	79	86	92	
MBH	39.5	40.2	42.1	45.0	38.6	39.3	41.2	43.9	37.6	38.4	40.2	42.9	36.7	37.4	39.2	41.8	34.9	35.6	37.2	39.7	32.3	32.9	34.5	36.8		
S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73	
Delta T	26	26	25	21	27	26	25	22	27	26	25	22	27	27	27	25	22	26	26	25	21	24	24	23	20	
KW	2.71	2.78	2.88	2.98	2.95	3.02	3.13	3.24	3.36	3.24	3.35	3.48	3.34	3.43	3.55	3.68	3.50	3.59	3.72	3.86	3.64	3.73	3.86	4.01	4.16	
AMPS	12.5	12.8	13.2	13.7	13.5	13.8	14.3	14.8	15.0	15.5	16.1	16.6	17.2	16.6	17.1	17.7	17.2	16.7	17.1	17.7	18.3	17.7	18.1	18.7	19.4	
HI PR	139	150	158	165	156	168	178	185	178	192	202	211	203	218	230	240	228	228	245	259	270	252	271	286	299	
LO PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	87	73	77	85	90	

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

NOTE: Shaded area is Rating conditions

\*Entering Indoor Dry-Bulb Temperature



# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAIR12B48

MODEL: AFAIR12B48 / DUP48CA

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																							
		65				75				85				95				105				115			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	47.7	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.5	46.4	49.6	53.0	44.3	45.3	48.4	51.8	43.0	44.1	47.1	50.5	41.8	42.9	45.8	49.2
	S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.96	0.78	0.59
	Delta T	22	21	18	15	22	21	19	15	23	21	19	15	23	21	19	15	22	21	18	14	20	20	17	14
	KW	3.18	3.25	3.36	3.48	3.45	3.53	3.66	3.79	3.69	3.78	3.91	4.05	3.90	3.99	4.14	4.29	4.08	4.18	4.33	4.49	4.24	4.34	4.50	4.66
	AMPS	14.0	14.3	14.8	15.3	15.1	15.4	15.9	16.5	16.4	16.7	17.3	17.9	17.5	17.9	18.5	19.2	18.6	19.0	19.6	20.4	19.7	20.1	20.8	21.6
	HI PR	152	163	172	180	170	183	193	202	208	220	229	237	248	261	270	282	294	307	316	324	334	343	352	361
	LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	87
	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	47.0	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	18	14
KW	3.15	3.22	3.33	3.45	3.42	3.50	3.62	3.75	3.66	3.74	3.88	4.02	3.87	3.96	4.10	4.25	4.04	4.14	4.29	4.45	4.20	4.30	4.46	4.62	
AMPS	13.9	14.2	14.6	15.2	14.9	15.3	15.8	16.4	16.2	16.6	17.1	17.8	17.3	17.7	18.3	19.0	18.4	18.8	19.5	20.2	19.5	19.9	20.6	21.4	
HI PR	150	161	170	178	168	181	191	200	200	218	227	235	248	258	266	279	291	301	310	321	321	328	338	351	
LO PR	56	60	65	69	63	69	73	78	61	65	71	76	65	69	75	80	68	72	79	84	70	74	81	87	
MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8	
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	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	
Delta T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15	
KW	3.06	3.14	3.25	3.36	3.33	3.40	3.52	3.65	3.56	3.64	3.77	3.91	3.76	3.85	3.99	4.13	3.93	4.03	4.17	4.33	4.08	4.18	4.33	4.49	
AMPS	13.5	13.8	14.2	14.8	14.6	14.9	15.4	15.9	15.8	16.2	16.7	17.3	16.8	17.2	17.8	18.5	17.9	18.3	18.9	19.6	18.9	19.4	20.0	20.8	
HI PR	146	157	165	172	163	176	186	194	186	200	211	220	228	240	251	262	268	282	291	302	299	308	318	332	
LO PR	54	58	63	67	57	61	67	71	60	63	69	74	63	67	73	77	66	70	76	81	68	72	79	84	

85	MBh	48.5	49.4	51.8	55.2	47.4	48.3	50.6	54.0	46.2	47.1	49.4	52.7	45.1	46.0	48.2	51.4	42.9	43.7	45.8	48.8	39.7	40.5	42.4	45.2
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
	Delta T	23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	21	20	18
	KW	3.20	3.28	3.39	3.52	3.48	3.56	3.69	3.82	3.72	3.81	3.95	4.09	3.94	4.03	4.18	4.33	4.12	4.22	4.37	4.53	4.28	4.38	4.54	4.71
	AMPS	14.1	14.4	14.9	15.4	15.2	15.6	16.1	16.7	16.5	16.9	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.8	20.3	21.0	21.8
	HI PR	153	165	174	181	172	185	195	204	195	210	222	231	222	239	253	264	250	269	284	297	277	288	304	328
	LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	81	69	73	80	85	71	76	83	88
	MBh	47.1	48.0	50.3	53.6	46.0	46.9	49.1	52.4	44.9	45.8	47.9	51.1	43.8	44.7	47.5	50.5	41.6	42.4	44.4	47.4	38.5	39.3	41.2	43.9
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
	Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	24	23	22	23	21	18
KW	3.18	3.25	3.36	3.48	3.45	3.53	3.66	3.79	3.69	3.78	3.91	4.05	3.90	3.99	4.14	4.29	4.08	4.18	4.33	4.49	4.24	4.34	4.50	4.66	
AMPS	14.0	14.3	14.8	15.3	15.1	15.4	15.9	16.5	16.4	16.7	17.3	17.9	17.5	17.9	18.5	19.2	18.6	19.0	19.6	20.4	19.7	20.1	20.8	21.6	
HI PR	152	163	172	180	170	183	193	202	208	220	229	237	248	261	270	282	294	307	316	324	334	343	352	361	
LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	87	
MBh	43.5	44.3	46.4	49.5	42.5	43.3	45.3	48.4	41.4	42.2	44.2	47.2	40.4	41.2	43.2	46.0	38.4	39.2	41.0	43.7	35.6	36.3	38.0	40.5	
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.79	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71	
Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	25	25	25	23	23	23	22	19	
KW	3.09	3.16	3.27	3.39	3.36	3.44	3.56	3.68	3.59	3.67	3.81	3.94	3.79	3.89	4.03	4.17	3.97	4.07	4.21	4.37	4.12	4.22	4.37	4.53	
AMPS	13.6	13.9	14.4	14.9	14.7	15.0	15.5	16.1	15.9	16.3	16.8	17.4	17.0	17.4	18.0	18.6	18.1	18.5	19.1	19.8	19.1	19.6	20.2	21.0	
HI PR	147	158	167	174	165	177	187	195	188	202	213	222	214	230	243	253	240	259	273	285	266	286	302	315	
LO PR	55	58	64	68	58	62	67	72	60	64	70	74	63	67	73	78	66	71	77	82	69	73	80	85	

\*Entering Indoor Design Temperature  
 NOTE: Shaded area is ARI Rating conditions  
 Due to continuing improvements, specifications are subject to change without notice.

# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAIR12B60

MODEL: AFAIR12B60 / DUP60CA

COOLING OPERATION

IDB*	Flow Rate	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	MBH	57.7	59.8	65.5	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
	ST	0.67	0.56	0.39	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
	Delta T	19	16	12	13	-	19	16	13	-	19	17	13	-	19	16	12	-	19	16	12	-	18	15	12	-
	KW	3.90	3.99	4.14	4.50	-	4.24	4.34	4.60	-	4.54	4.66	4.83	-	4.81	4.83	5.11	-	5.04	5.16	5.35	-	5.24	5.37	5.56	-
	AMPS	17.4	17.9	18.4	20.0	-	18.9	19.3	20.0	-	20.5	21.0	21.7	-	21.9	22.5	23.2	-	23.4	23.9	24.7	-	24.8	25.4	26.2	-
	HI PR	149	161	170	190	-	167	180	190	-	190	205	216	-	217	233	247	-	244	263	277	-	270	290	306	-
	LO PR	56	60	66	69	-	60	64	69	-	62	66	72	-	65	69	76	-	68	73	79	-	71	75	82	-
	MBH	57.1	59.2	64.8	63.3	-	55.8	57.8	63.3	-	54.4	56.4	61.8	-	53.1	55.0	60.3	-	50.4	52.3	57.3	-	46.7	48.4	53.1	-
	ST	0.66	0.55	0.38	0.40	-	0.69	0.57	0.40	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.63	0.44	-
	Delta T	20	17	13	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
	KW	3.89	3.98	4.12	4.49	-	4.23	4.33	4.49	-	4.53	4.64	4.81	-	4.80	4.92	5.10	-	5.02	5.15	5.34	-	5.22	5.35	5.55	-
	AMPS	17.4	17.8	18.4	19.9	-	18.8	19.3	19.9	-	20.4	20.9	21.7	-	21.9	22.4	23.2	-	23.3	23.9	24.7	-	24.7	25.3	26.2	-
HI PR	149	160	169	190	-	167	180	190	-	190	204	216	-	216	233	246	-	243	262	277	-	269	289	306	-	
LO PR	56	60	65	69	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	
MBH	56.2	58.3	63.9	62.4	-	54.9	56.9	62.4	-	53.6	55.6	60.9	-	52.3	54.2	59.4	-	49.7	51.5	56.4	-	46.0	47.7	52.3	-	
ST	0.64	0.53	0.37	0.38	-	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.73	0.61	0.42	-	0.73	0.61	0.42	-	
Delta T	20	17	13	13	-	20	17	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-	
KW	3.83	3.92	4.06	4.42	-	4.16	4.26	4.42	-	4.46	4.57	4.74	-	4.72	4.84	5.02	-	4.95	5.07	5.25	-	5.14	5.27	5.46	-	
AMPS	17.1	17.5	18.1	19.6	-	18.5	19.0	19.6	-	20.1	20.6	21.3	-	21.5	22.1	22.8	-	22.9	23.5	24.3	-	24.3	24.9	25.7	-	
HI PR	146	157	166	187	-	164	177	187	-	187	201	212	-	213	229	242	-	239	257	272	-	264	284	300	-	
LO PR	55	59	64	68	-	59	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	80	-	
75	MBH	56.6	60.4	65.3	70.1	57.3	59.0	63.8	68.5	68.5	68.5	62.3	66.9	62.3	66.9	62.3	66.9	62.3	66.9	62.3	66.9	62.3	66.9	62.3	66.9	62.3
	ST	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38	
	Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	
	KW	3.93	4.03	4.17	4.33	4.28	4.38	4.54	4.71	4.59	4.70	4.87	5.05	4.86	4.98	5.16	5.35	5.09	5.21	5.41	5.61	5.29	5.42	5.62	5.83	
	AMPS	17.6	18.0	18.6	19.3	19.0	19.5	20.1	20.9	20.7	21.2	21.9	22.7	22.1	22.7	23.4	24.3	23.6	24.2	25.0	25.9	25.0	25.9	26.5	27.5	
	HI PR	151	162	171	179	169	182	192	201	192	207	219	228	219	236	249	260	247	265	280	292	272	292	310	323	
	LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	76	81	69	73	80	85	71	76	83	88	
	MBH	58.1	59.8	64.7	69.4	56.7	58.4	63.2	67.8	67.8	67.8	61.7	66.2	61.7	66.2	61.7	66.2	61.7	66.2	61.7	66.2	61.7	66.2	61.7	66.2	61.7
	ST	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.77	0.58	0.37	0.86	0.77	0.58	0.38	
	Delta T	23	21	17	12	23	21	17	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11	
	KW	3.92	4.02	4.16	4.31	4.27	4.37	4.53	4.70	4.57	4.69	4.86	5.04	4.84	4.96	5.15	5.34	5.07	5.20	5.39	5.59	5.27	5.40	5.60	5.81	
	AMPS	17.5	18.0	18.6	19.3	19.0	19.4	20.1	20.8	20.6	21.1	21.9	22.7	22.1	22.6	23.4	24.3	23.5	24.1	24.9	25.9	24.9	25.9	26.4	27.4	
HI PR	150	162	171	178	169	182	192	200	192	206	218	227	218	235	248	259	246	265	279	291	272	292	309	322		
LO PR	57	61	66	70	60	64	70	74	62	66	73	77	66	70	76	81	69	73	80	85	71	76	83	88		
MBH	57.2	58.9	63.7	68.4	55.8	57.5	62.2	66.8	66.8	66.8	60.8	65.2	60.8	65.2	60.8	65.2	60.8	65.2	60.8	65.2	60.8	65.2	60.8	65.2	60.8	
ST	0.72	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.83	0.74	0.56	0.36		
Delta T	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11		
KW	3.86	3.95	4.10	4.25	4.20	4.30	4.46	4.62	4.50	4.61	4.78	4.96	4.77	4.88	5.06	5.25	4.99	5.12	5.30	5.50	5.19	5.32	5.51	5.72		
AMPS	17.3	17.7	18.3	19.0	18.7	19.1	19.8	20.5	20.3	20.8	21.5	22.3	21.7	22.3	23.0	23.9	23.1	23.7	24.5	25.4	24.5	25.4	26.0	27.0		
HI PR	148	159	168	175	166	178	188	197	189	203	214	224	215	231	244	255	242	260	275	286	267	287	303	316		
LO PR	56	60	65	69	59	63	69	73	61	65	71	76	65	69	75	80	68	72	79	84	70	74	81	87		

NOTE: Shaded area is ACCA (TVA) conditions

\*Entering Indoor Dry Bulb Temperature

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

# EXPANDED PERFORMANCE DATA

## Expanded Ratings for AFAIR12B60

MODEL: AFAIR12B60 / DUP60CA

COOLING OPERATION

IDB* Flow Rate	OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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80	1900	MBh	61.0	65.1	69.6	74.1	78.6	83.1	87.6	92.1	96.6	101.1	105.6	110.1	114.6	119.1	123.6	128.1	132.6	137.1	141.6	146.1	150.6	155.1	159.6	164.1	168.6	173.1	177.6	182.1	186.6	191.1	195.6	200.1	204.6	209.1	213.6	218.1	222.6	227.1	231.6	236.1	240.6	245.1	249.6	254.1	258.6	263.1	267.6	272.1	276.6	281.1	285.6	290.1	294.6	299.1	303.6	308.1	312.6	317.1	321.6	326.1	330.6	335.1	339.6	344.1	348.6	353.1	357.6	362.1	366.6	371.1	375.6	380.1	384.6	389.1	393.6	398.1	402.6	407.1	411.6	416.1	420.6	425.1	429.6	434.1	438.6	443.1	447.6	452.1	456.6	461.1	465.6	470.1	474.6	479.1	483.6	488.1	492.6	497.1	501.6	506.1	510.6	515.1	519.6	524.1	528.6	533.1	537.6	542.1	546.6	551.1	555.6	560.1	564.6	569.1	573.6	578.1	582.6	587.1	591.6	596.1	600.6	605.1	609.6	614.1	618.6	623.1	627.6	632.1	636.6	641.1	645.6	650.1	654.6	659.1	663.6	668.1	672.6	677.1	681.6	686.1	690.6	695.1	699.6	704.1	708.6	713.1	717.6	722.1	726.6	731.1	735.6	740.1	744.6	749.1	753.6	758.1	762.6	767.1	771.6	776.1	780.6	785.1	789.6	794.1	798.6	803.1	807.6	812.1	816.6	821.1	825.6	830.1	834.6	839.1	843.6	848.1	852.6	857.1	861.6	866.1	870.6	875.1	879.6	884.1	888.6	893.1	897.6	902.1	906.6	911.1	915.6	920.1	924.6	929.1	933.6	938.1	942.6	947.1	951.6	956.1	960.6	965.1	969.6	974.1	978.6	983.1	987.6	992.1	996.6	1001.1	1005.6	1010.1	1014.6	1019.1	1023.6	1028.1	1032.6	1037.1	1041.6	1046.1	1050.6	1055.1	1059.6	1064.1	1068.6	1073.1	1077.6	1082.1	1086.6	1091.1	1095.6	1100.1	1104.6	1109.1	1113.6	1118.1	1122.6	1127.1	1131.6	1136.1	1140.6	1145.1	1149.6	1154.1	1158.6	1163.1	1167.6	1172.1	1176.6	1181.1	1185.6	1190.1	1194.6	1199.1	1203.6	1208.1	1212.6	1217.1	1221.6	1226.1	1230.6	1235.1	1239.6	1244.1	1248.6	1253.1	1257.6	1262.1	1266.6	1271.1	1275.6	1280.1	1284.6	1289.1	1293.6	1298.1	1302.6	1307.1	1311.6	1316.1	1320.6	1325.1	1329.6	1334.1	1338.6	1343.1	1347.6	1352.1	1356.6	1361.1	1365.6	1370.1	1374.6	1379.1	1383.6	1388.1	1392.6	1397.1	1401.6	1406.1	1410.6	1415.1	1419.6	1424.1	1428.6	1433.1	1437.6	1442.1	1446.6	1451.1	1455.6	1460.1	1464.6	1469.1	1473.6	1478.1	1482.6	1487.1	1491.6	1496.1	1500.6	1505.1	1509.6	1514.1	1518.6	1523.1	1527.6	1532.1	1536.6	1541.1	1545.6	1550.1	1554.6	1559.1	1563.6	1568.1	1572.6	1577.1	1581.6	1586.1	1590.6	1595.1	1599.6	1604.1	1608.6	1613.1	1617.6	1622.1	1626.6	1631.1	1635.6	1640.1	1644.6	1649.1	1653.6	1658.1	1662.6	1667.1	1671.6	1676.1	1680.6	1685.1	1689.6	1694.1	1698.6	1703.1	1707.6	1712.1	1716.6	1721.1	1725.6	1730.1	1734.6	1739.1	1743.6	1748.1	1752.6	1757.1	1761.6	1766.1	1770.6	1775.1	1779.6	1784.1	1788.6	1793.1	1797.6	1802.1	1806.6	1811.1	1815.6	1820.1	1824.6	1829.1	1833.6	1838.1	1842.6	1847.1	1851.6	1856.1	1860.6	1865.1	1869.6	1874.1	1878.6	1883.1	1887.6	1892.1	1896.6	1901.1	1905.6	1910.1	1914.6	1919.1	1923.6	1928.1	1932.6	1937.1	1941.6	1946.1	1950.6	1955.1	1959.6	1964.1	1968.6	1973.1	1977.6	1982.1	1986.6	1991.1	1995.6	2000.1	2004.6	2009.1	2013.6	2018.1	2022.6	2027.1	2031.6	2036.1	2040.6	2045.1	2049.6	2054.1	2058.6	2063.1	2067.6	2072.1	2076.6	2081.1	2085.6	2090.1	2094.6	2099.1	2103.6	2108.1	2112.6	2117.1	2121.6	2126.1	2130.6	2135.1	2139.6	2144.1	2148.6	2153.1	2157.6	2162.1	2166.6	2171.1	2175.6	2180.1	2184.6	2189.1	2193.6	2198.1	2202.6	2207.1	2211.6	2216.1	2220.6	2225.1	2229.6	2234.1	2238.6	2243.1	2247.6	2252.1	2256.6	2261.1	2265.6	2270.1	2274.6	2279.1	2283.6	2288.1	2292.6	2297.1	2301.6	2306.1	2310.6	2315.1	2319.6	2324.1	2328.6	2333.1	2337.6	2342.1	2346.6	2351.1	2355.6	2360.1	2364.6	2369.1	2373.6	2378.1	2382.6	2387.1	2391.6	2396.1	2400.6	2405.1	2409.6	2414.1	2418.6	2423.1	2427.6	2432.1	2436.6	2441.1	2445.6	2450.1	2454.6	2459.1	2463.6	2468.1	2472.6	2477.1	2481.6	2486.1	2490.6	2495.1	2499.6	2504.1	2508.6	2513.1	2517.6	2522.1	2526.6	2531.1	2535.6	2540.1	2544.6	2549.1	2553.6	2558.1	2562.6	2567.1	2571.6	2576.1	2580.6	2585.1	2589.6	2594.1	2598.6	2603.1	2607.6	2612.1	2616.6	2621.1	2625.6	2630.1	2634.6	2639.1	2643.6	2648.1	2652.6	2657.1	2661.6	2666.1	2670.6	2675.1	2679.6	2684.1	2688.6	2693.1	2697.6	2702.1	2706.6	2711.1	2715.6	2720.1	2724.6	2729.1	2733.6	2738.1	2742.6	2747.1	2751.6	2756.1	2760.6	2765.1	2769.6	2774.1	2778.6	2783.1	2787.6	2792.1	2796.6	2801.1	2805.6	2810.1	2814.6	2819.1	2823.6	2828.1	2832.6	2837.1	2841.6	2846.1	2850.6	2855.1	2859.6	2864.1	2868.6	2873.1	2877.6	2882.1	2886.6	2891.1	2895.6	2900.1	2904.6	2909.1	2913.6	2918.1	2922.6	2927.1	2931.6	2936.1	2940.6	2945.1	2949.6	2954.1	2958.6	2963.1	2967.6	2972.1	2976.6	2981.1	2985.6	2990.1	2994.6	2999.1	3003.6	3008.1	3012.6	3017.1	3021.6	3026.1	3030.6	3035.1	3039.6	3044.1	3048.6	3053.1	3057.6	3062.1	3066.6	3071.1	3075.6	3080.1	3084.6	3089.1	3093.6	3098.1	3102.6	3107.1	3111.6	3116.1	3120.6	3125.1	3129.6	3134.1	3138.6	3143.1	3147.6	3152.1	3156.6	3161.1	3165.6	3170.1	3174.6	3179.1	3183.6	3188.1	3192.6	3197.1	3201.6	3206.1	3210.6	3215.1	3219.6	3224.1	3228.6	3233.1	3237.6	3242.1	3246.6	3251.1	3255.6	3260.1	3264.6	3269.1	3273.6	3278.1	3282.6	3287.1	3291.6	3296.1	3300.6	3305.1	3309.6	3314.1	3318.6	3323.1	3327.6	3332.1	3336.6	3341.1	3345.6	3350.1	3354.6	3359.1	3363.6	3368.1	3372.6	3377.1	3381.6	3386.1	3390.6	3395.1	3399.6	3404.1	3408.6	3413.1	3417.6	3422.1	3426.6	3431.1	3435.6	3440.1	3444.6	3449.1	3453.6	3458.1	3462.6	3467.1	3471.6	3476.1	3480.6	3485.1	3489.6	3494.1	3498.6	3503.1	3507.6	3512.1	3516.6	3521.1	3525.6	3530.1	3534.6	3539.1	3543.6	3548.1	3552.6	3557.1	3561.6	3566.1	3570.6	3575.1	3579.6	3584.1	3588.6	3593.1	3597.6	3602.1	3606.6	3611.1	3615.6	3620.1	3624.6	3629.1	3633.6	3638.1	3642.6	3647.1	3651.6	3656.1	3660.6	3665.1	3669.6	3674.1	3678.6	3683.1	3687.6	3692.1	3696.6	3701.1	3705.6	3710.1	3714.6	3719.1	3723.6	3728.1	3732.6	3737.1	3741.6	3746.1	3750.6	3755.1	3759.6	3764.1	3768.6	3773.1	3777.6	3782.1	3786.6	3791.1	3795.6	3800.1	3804.6	3809.1	3813.6	3818.1	3822.6	3827.1	3831.6	3836.1	3840.6	3845.1	3849.6	3854.1	3858.6	3863.1	3867.6	3872.1	3876.6	3881.1	3885.6	3890.1	3894.6	3899.1	3903.6	3908.1	3912.6	3917.1	3921.6	3926.1	3930.6	3935.1	3939.6	3944.1	3948.6	3953.1	3957.6	3962.1	3966.6	3971.1	3975.6	3980.1	3984.6	3989.1	3993.6	3998.1	4002.6	4007.1	4011.6	4016.1	4020.6	4025.1	4029.6	4034.1	4038.6	4043.1	4047.6	4052.1	4056.6	4061.1	4065.6	4070.1	4074.6	4079.1	4083.6	4088.1	4092.6	4097.1	4101.6	4106.1	4110.6	4115.1	4119.6	4124.1	4128.6	4133.1	4137.6	4142.1	4146.6	4151.1	4155.6	4160.1	4164.6	4169.1	4173.6	4178.1	4182.6	4187.1	4191.6	4196.1	4200.6	4205.1	4209.6	4214.1	4218.6	4223.1	4227.6	4232.1	4236.6	4241.1	4245.6	4250.1	4254.6	4259.1	4263.6	4268.1	4272.6	4277.1	4281.6	4286.1	4290.6	4295.1	4299.6	4304.1	4308.6	4313.1	4317.6	4322.1	4326.6	4331.1	4335.6	4340.1	4344.6	4349.1	4353.6	4358.1	4362.6	4367.1	4371.6	4376.1	4380.6	4385.1	4389.6	4394.1	4398.6	4403.1	4407.6	4412.1	4416.6	4421.1	4425.6	4430.1	4434.6	4439.1	4443.6	4448.1	4452.6	4457.1	4461.6	4466.1	4470.6	4475.1	4479.6	4484.1	4488.6	4493.1	4497.6	4502.1	4506.6	4511.1	4515.6	4520.1	4524.6	4529.1	4533.6	4538.1	4542.6	4547.1	4551.6	4556.1	4560.6	4565.1	4569.6	4574.1	4578.6	4583.1	4587.6	4592.1	4596.6	4601.1	4605.6	4610.1	4614.6	4619.1	4623.6	4628.1	4632.6	4637.1	4641.6	4646.1	4650.6	4655.1	4659.6	4664.1	4668.6	4673.1	4677.6	4682.1	4686.6	4691.1	4695.6	4700.1	4704.6	4709.1	4713.6	4718.1	4722.6	4727.1	4731.6	4736.1	4740.6	4745.1	4749.6	4754.1	4758.6	4763.1	4767.6	4772.1	4776.6	4781.1	4785.6	4790.1	4794.6	4799.1	4803.6	4808.1	4812.6	4817.1	4821.6	4826.1	4830.6	4835.1	4839.6	4844.1	4848.6	4853.1	4857.6	4862.1	4866.6	4871.1	4875.6	4880.1	4884.6	4889.1	4893.6	4898.1	4902.6	4907.1	4911.6	4916.1	4920.6	4925.1	4929.6	4934.1	4938.6	4943.1	4947.6	4952.1	4956.6