



# Performance Data

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## TTB5 (50 Hz)

### Models

TTB510CA00A0

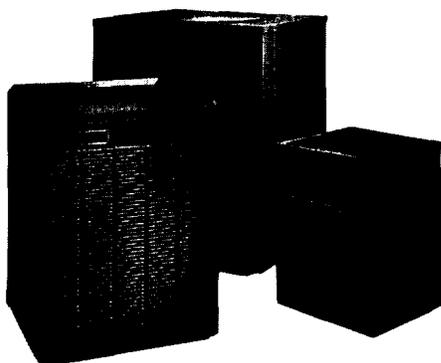
TTB515CA00A0

TTB520CA00A0

TTB524CA00A0

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# Performance Data

## Cooling

# English

### TTB510CA WITH MCD512DB00A AT 300 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	10.4	8.4	8.9	9.5	10.0	10.5*	0.84	45.5
	63	11.3	7.4	7.9	8.5	9.0	9.6	0.87	49.6
	67	12.3	6.2	6.8	7.3	7.9	8.4	0.90	53.8
	71	13.2	5.0	5.6	6.1	6.7	7.3	0.92	57.4
90	59	10.4	8.4	9.0	9.5	10.1	10.5*	0.89	45.3
	63	11.4	7.4	7.9	8.5	9.1	9.6	0.92	49.4
	67	12.3	6.2	6.8	7.4	7.9	8.5	0.94	53.6
	71	13.3	5.1	5.6	6.2	6.7	7.3	0.97	57.2
95	59	10.5	8.4	9.0	9.5	10.1	10.6*	0.94	45.1
	63	11.4	7.4	8.0	8.5	9.1	9.6	0.96	49.2
	67	12.4	6.3	6.8	7.4	7.9	8.5	0.99	53.4
	71	13.4	5.1	5.7	6.2	6.8	7.3	1.02	57.0
100	59	10.2	8.3	8.8	9.4	9.9	10.3*	0.98	46.1
	63	11.1	7.3	7.8	8.4	8.9	9.5	1.00	50.2
	67	12.1	6.1	6.7	7.2	7.8	8.4	1.03	54.2
	71	13.1	5.0	5.5	6.1	6.6	7.2	1.05	57.9
105	59	9.9	8.1	8.7	9.2	9.8	10.1*	1.02	47.0
	63	10.8	7.1	7.7	8.2	8.8	9.4	1.04	51.4
	67	11.7	6.0	6.5	7.1	7.7	8.2	1.06	55.0
	71	12.7	4.8	5.4	5.9	6.5	7.0	1.09	58.7
115	59	9.4	7.9	8.4	9.0	9.4*	9.7*	1.10	48.6
	63	10.2	6.8	7.4	8.0	8.5	9.1	1.12	52.8
	67	11.1	5.7	6.3	6.8	7.4	7.9	1.14	56.5
	71	12.0	4.5	5.1	5.6	6.2	6.7	1.16	60.3
120	59	9.1	7.7	8.3	8.8	9.2*	9.5*	1.14	49.4
	63	9.9	6.7	7.3	7.8	8.4	8.9	1.15	53.5
	67	10.8	5.6	6.1	6.7	7.2	7.8	1.17	57.2
	71	11.6	4.4	4.9	5.5	6.0	6.6	1.19	61.0

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 12400 BTUH  
 AIRFLOW = 300 CFM  
 APP. DEW PT. = 53.4 DEG. F  
 COMPRESSOR POWER = 990 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.47 BTUH/WATT  
 E.E.R. = 10.25 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

### TTB510CA WITH MCW512FB0RA AT 230 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	10.2	7.2	7.6	8.0	8.4	8.8	0.83	37.3
	63	11.2	6.4	6.8	7.3	7.7	8.1	0.85	37.1
	67	12.1	5.6	6.0	6.4	6.9	7.3	0.88	35.5
	71	13.2	4.8	5.2	5.6	6.0	6.4	0.91	43.8
90	59	10.0	7.1	7.5	7.9	8.3	8.7	0.86	38.3
	63	10.9	6.3	6.7	7.1	7.6	8.0	0.89	39.3
	67	11.9	5.5	5.9	6.3	6.7	7.1	0.91	41.2
	71	12.9	4.6	5.1	5.5	5.9	6.3	0.94	43.1
95	59	9.8	7.0	7.4	7.8	8.2	8.6	0.90	39.2
	63	10.7	6.2	6.6	7.0	7.4	7.9	0.92	41.0
	67	11.6	5.4	5.8	6.2	6.6	7.0	0.95	44.2
	71	12.6	4.5	4.9	5.3	5.8	6.2	0.98	47.9
100	59	9.6	6.9	7.3	7.7	8.1	8.5	0.94	40.1
	63	10.5	6.1	6.5	6.9	7.3	7.8	0.97	42.4
	67	11.4	5.3	5.7	6.1	6.5	6.9	0.99	46.2
	71	12.3	4.4	4.8	5.2	5.6	6.1	1.02	51.0
105	59	9.4	6.8	7.2	7.6	8.0	8.4	0.98	40.9
	63	10.2	6.0	6.4	6.8	7.2	7.7	1.01	43.7
	67	11.1	5.2	5.6	6.0	6.4	6.8	1.03	47.8
	71	12.0	4.3	4.7	5.1	5.5	5.9	1.06	52.2
115	59	9.0	6.6	7.0	7.4	7.8	8.2	1.07	42.4
	63	9.8	5.8	6.2	6.6	7.0	7.4	1.09	45.9
	67	10.6	4.9	5.4	5.8	6.2	6.6	1.11	50.7
	71	11.4	4.1	4.5	4.9	5.3	5.7	1.13	54.3
120	59	8.8	6.5	6.9	7.3	7.7	8.1	1.11	43.1
	63	9.6	5.7	6.1	6.5	6.9	7.3	1.13	46.9
	67	10.4	4.8	5.3	5.7	6.1	6.5	1.15	51.5
	71	11.2	4.0	4.4	4.8	5.2	5.6	1.17	55.2

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 11600 BTUH  
 AIRFLOW = 230 CFM  
 APP. DEW PT. = 44.2 DEG. F  
 COMPRESSOR POWER = 950 WATTS  
 I.D. FAN POWER = 30 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 10.30 BTUH/WATT  
 E.E.R. = 10.45 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data

## Cooling

## Metric

### TTB510CA WITH MCD512DB00A AT 0.14 CMS (300 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	2.9	3.0	3.0	3.1	2.9	2.8
	Sensible kW	2.3	2.4	2.4	2.4	2.3	2.2
	SHR (%)	79	78	78	78	79	80
	Compressor kW	0.8	0.8	0.9	0.9	1.0	1.1
24.0/17.0	Capacity kW	3.2	3.3	3.3	3.3	3.2	3.0
	Sensible kW	2.4	2.4	2.5	2.5	2.4	2.3
	SHR (%)	75	75	74	74	76	77
	Compressor kW	0.8	0.9	0.9	1.0	1.0	1.1
29.0/21.0	Capacity kW	3.4	3.5	3.5	3.6	3.4	3.2
	Sensible kW	2.4	2.5	2.5	2.5	2.4	2.3
	SHR (%)	71	70	70	69	71	72
	Compressor kW	0.8	0.9	0.9	1.0	1.1	1.1

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 3.63 KW  
 AIRFLOW = 0.14 CMS  
 AIRFLOW = 300. CFM  
 APP. DEW PT. = 11.9 DEG. C  
 COMPRESSOR POWER = 990 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.00  
 EER = 10.25 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

### TTB510CA WITH MCW512FB0RA AT 0.11 CMS (230 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	3.0	3.0	2.9	2.9	2.8	2.6
	Sensible kW	2.1	2.0	2.0	2.0	1.9	1.9
	SHR (%)	68	69	69	69	70	71
	Compressor kW	0.8	0.8	0.9	0.9	1.0	1.1
24.0/17.0	Capacity kW	3.3	3.2	3.2	3.1	3.0	2.9
	Sensible kW	2.1	2.1	2.1	2.0	2.0	1.9
	SHR (%)	65	65	65	66	66	67
	Compressor kW	0.8	0.8	0.9	0.9	1.0	1.1
29.0/21.0	Capacity kW	3.6	3.5	3.4	3.3	3.2	3.1
	Sensible kW	2.1	2.1	2.1	2.0	2.0	1.9
	SHR (%)	60	60	60	61	62	63
	Compressor kW	0.8	0.9	0.9	0.9	1.0	1.1

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 3.38 KW  
 AIRFLOW = 0.11 CMS  
 AIRFLOW = 230. CFM  
 APP. DEW PT. = 6.8 DEG. C  
 COMPRESSOR POWER = 950 WATTS  
 I.D. FAN POWER = 30 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.06  
 EER = 10.45 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

**TTB510CA WITH MCX512CB AT 400 CFM**

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP. DEW PT.	
			72	74	76	78			80
85	59	11.6	9.5	10.2	10.9	11.6*	11.9*	0.92	46.4
	63	12.5	8.2	8.9	9.6	10.3	11.0	0.94	50.4
	67	13.5	6.7	7.4	8.1	8.8	9.5	0.97	54.3
	71	14.6	5.2	5.9	6.6	7.3	8.0	1.00	58.3
90	59	11.5	9.5	10.2	10.9	11.6*	11.9*	0.97	46.4
	63	12.5	8.2	8.9	9.6	10.3	11.0	0.99	50.4
	67	13.6	6.7	7.4	8.1	8.8	9.5	1.02	54.3
	71	14.6	5.2	5.9	6.6	7.3	8.0	1.05	58.2
95	59	11.5	9.5	10.2	10.9	11.6*	11.9*	1.02	46.4
	63	12.5	8.2	8.9	9.6	10.3	11.0	1.04	50.4
	67	13.6	6.7	7.4	8.1	8.8	9.5	1.07	54.2
	71	14.7	5.2	5.9	6.6	7.3	8.0	1.10	58.2
100	59	11.2	9.4	10.1	10.8	11.3*	11.7*	1.05	47.3
	63	12.2	8.1	8.8	9.5	10.2	10.9	1.08	50.9
	67	13.3	6.6	7.3	8.0	8.7	9.4	1.10	54.7
	71	14.3	5.1	5.8	6.5	7.2	7.9	1.13	58.7
105	59	10.9	9.2	9.9	10.6	11.1*	11.4*	1.09	47.8
	63	11.9	7.9	8.6	9.3	10.0	10.7	1.11	51.4
	67	12.9	6.5	7.2	7.9	8.6	9.3	1.14	55.3
	71	14.0	5.0	5.7	6.4	7.1	7.8	1.16	59.2
115	59	10.3	8.9	9.6	10.3*	10.6*	10.9*	1.16	48.8
	63	11.2	7.6	8.3	9.0	9.7	10.4	1.18	52.4
	67	12.2	6.2	6.9	7.6	8.3	9.0	1.20	56.2
	71	13.3	4.7	5.4	6.1	6.8	7.5	1.22	60.2
120	59	10.0	8.8	9.5	10.0*	10.4*	10.7*	1.20	49.3
	63	10.9	7.5	8.2	8.9	9.6	10.3	1.22	52.9
	67	11.9	6.0	6.7	7.4	8.1	8.8	1.23	56.7
	71	12.9	4.6	5.3	6.0	6.7	7.4	1.25	60.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 13600 BTUH  
 AIRFLOW = 400 CFM APP.  
 DEW PT. = 54.2 DEG. F  
 COMPRESSOR POWER = 1072 WATTS  
 I.D. FAN POWER = 75 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.96 BTUH/WATT  
 E.E.R. = 10.65 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

**TTB510CA WITH MCX512EB AT 400 CFM**

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP. DEW PT.	
			72	74	76	78			80
85	59	11.6	9.5	10.2	10.9	11.6*	11.9*	0.92	46.4
	63	12.5	8.2	8.9	9.6	10.3	11.0	0.94	50.4
	67	13.5	6.7	7.4	8.1	8.8	9.5	0.97	54.3
	71	14.6	5.2	5.9	6.6	7.3	8.0	1.00	58.3
90	59	11.6	9.5	10.2	10.9	11.6*	11.9*	0.97	46.3
	63	12.6	8.2	8.9	9.6	10.3	11.0	0.99	50.4
	67	13.6	6.7	7.4	8.1	8.8	9.5	1.02	54.3
	71	14.6	5.2	5.9	6.6	7.3	8.0	1.05	58.3
95	59	11.6	9.5	10.2	10.9	11.6*	11.9*	1.02	46.3
	63	12.6	8.2	8.9	9.6	10.3	11.0	1.04	50.3
	67	13.6	6.7	7.4	8.1	8.8	9.5	1.07	54.2
	71	14.7	5.2	5.9	6.6	7.3	8.0	1.10	58.2
100	59	11.3	9.4	10.1	10.8	11.4*	11.7*	1.05	47.2
	63	12.3	8.1	8.8	9.5	10.2	10.9	1.08	50.8
	67	13.3	6.6	7.3	8.0	8.7	9.4	1.10	54.7
	71	14.3	5.1	5.8	6.5	7.2	7.9	1.13	58.8
105	59	11.0	9.3	10.0	10.7	11.2*	11.5*	1.09	47.6
	63	11.9	7.9	8.6	9.3	10.0	10.7	1.11	51.3
	67	12.9	6.5	7.2	7.9	8.6	9.3	1.14	55.3
	71	13.9	4.9	5.6	6.3	7.0	7.7	1.16	59.3
115	59	10.4	9.0	9.7	10.4	10.7*	11.0*	1.16	48.6
	63	11.3	7.7	8.4	9.1	9.8	10.5	1.18	52.3
	67	12.2	6.2	6.9	7.6	8.3	9.0	1.20	56.2
	71	13.2	4.7	5.4	6.1	6.8	7.5	1.22	60.3
120	59	10.1	8.8	9.5	10.2*	10.5*	10.7*	1.19	49.0
	63	11.0	7.5	8.2	8.9	9.6	10.3	1.21	52.7
	67	11.9	6.0	6.7	7.4	8.1	8.8	1.23	56.7
	71	12.8	4.5	5.2	5.9	6.6	7.3	1.25	60.8

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 13600 BTUH  
 AIRFLOW = 400 CFM  
 APP. DEW PT. = 54.2 DEG. F  
 COMPRESSOR POWER = 1072 WATTS  
 I.D. FAN POWER = 75 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.96 BTUH/WATT  
 E.E.R. = 10.65 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

# Metric

## TTB510CA WITH MCX512CB AT 0.19 CMS (400 CFM)

Return Air		Outdoor Temperatures C					
DB/WB C		25	29	32	35	40	45
21.0/14.5	Capacity kW	3.3	3.4	3.4	3.4	3.4	3.0
	Sensible kW	2.6	2.7	2.7	2.7	2.6	2.5
	SHR (%)	79	79	79	79	81	83
	Compressor kW	0.8	0.9	1.0	1.0	1.1	1.1
24.0/17.0	Capacity kW	3.6	3.6	3.6	3.6	3.5	3.3
	Sensible kW	2.7	2.8	2.8	2.8	2.7	2.6
	SHR (%)	77	76	76	76	78	79
	Compressor kW	0.9	0.9	1.0	1.0	1.1	1.2
29.0/21.0	Capacity kW	3.8	3.9	3.9	3.9	3.7	3.6
	Sensible kW	2.8	2.8	2.8	2.8	2.7	2.7
	SHR (%)	72	72	72	72	73	75
	Compressor kW	0.9	1.0	1.0	1.1	1.1	1.2

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 3.98 KW  
 AIRFLOW = 0.19 CMS  
 AIRFLOW = 400. CFM  
 APP. DEW PT. = 12.4 DEG. C  
 COMPRESSOR POWER = 1072 WATTS  
 I.D. FAN POWER = 75 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.12  
 EER = 10.65 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

## TTB510CA WITH MCX512EB AT 0.19 CMS (400 CFM)

Return Air		Outdoor Temperatures C					
DB/WB C		25	29	32	35	40	45
21.0/14.5	Capacity kW	3.3	3.4	3.4	3.4	3.2	3.1
	Sensible kW	2.6	2.7	2.7	2.7	2.6	2.5
	SHR (%)	80	79	79	79	80	82
	Compressor kW	0.8	0.9	1.0	1.0	1.1	1.1
24.0/17.0	Capacity kW	3.6	3.6	3.6	3.7	3.5	3.3
	Sensible kW	2.7	2.8	2.8	2.8	2.7	2.6
	SHR (%)	77	76	76	76	77	79
	Compressor kW	0.9	0.9	1.0	1.0	1.1	1.2
29.0/21.0	Capacity kW	3.8	3.9	3.9	3.9	3.7	3.6
	Sensible kW	2.8	2.8	2.8	2.8	2.7	2.7
	SHR (%)	72	72	72	72	73	75
	Compressor kW	0.9	1.0	1.0	1.1	1.1	1.2

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 3.98 KW  
 AIRFLOW = 0.19 CMS  
 AIRFLOW = 400. CFM  
 APP. DEW PT. = 12.4 DEG. C  
 COMPRESSOR POWER = 1072 WATTS  
 I.D. FAN POWER = 75 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.12  
 EER = 10.65 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB515CA WITH MCD518DB00A AT 450 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	13.1	11.4	12.3	13.1	13.4*	13.8*	0.99	47.9
	63	14.2	9.9	10.7	11.6	12.4	13.2	1.03	52.1
	67	15.4	8.2	9.0	9.8	10.7	11.5	1.07	55.8
	71	16.6	6.5	7.3	8.1	8.9	9.7	1.12	59.6
90	59	13.1	11.4	12.2	13.0	13.4*	13.7*	1.04	48.0
	63	14.2	9.9	10.7	11.5	12.3	13.2	1.08	52.2
	67	15.4	8.2	9.0	9.8	10.6	11.4	1.13	55.9
	71	16.6	6.4	7.2	8.1	8.9	9.7	1.17	59.7
95	59	13.0	11.4	12.2	13.0*	13.4*	13.7*	1.10	48.0
	63	14.1	9.9	10.7	11.5	12.3	13.1	1.14	52.3
	67	15.3	8.2	9.0	9.8	10.6	11.4	1.18	56.0
	71	16.5	6.4	7.2	8.0	8.8	9.7	1.23	59.8
100	59	12.6	11.2	12.0	12.7*	13.0*	13.4*	1.14	48.9
	63	13.7	9.7	10.5	11.3	12.1	12.9	1.18	53.0
	67	14.8	7.9	8.8	9.6	10.4	11.2	1.23	56.8
	71	16.0	6.2	7.0	7.8	8.6	9.4	1.27	60.7
105	59	12.2	11.0	11.8	12.3*	12.7*	13.0*	1.19	49.8
	63	13.2	9.4	10.2	11.1	11.9	12.7	1.23	53.7
	67	14.3	7.7	8.5	9.3	10.2	11.0	1.27	57.6
	71	15.4	5.9	6.8	7.6	8.4	9.2	1.32	61.5
115	59	11.3	10.5	11.3*	11.6*	11.9*	12.3*	1.28	51.4
	63	12.3	9.0	9.8	10.6	11.4	12.2	1.32	55.1
	67	13.3	7.3	8.1	8.9	9.7	10.5	1.36	59.0
	71	14.3	5.5	6.3	7.1	7.9	8.7	1.40	63.0
120	59	10.9	10.3	11.0*	11.3*	11.6*	11.9*	1.33	52.1
	63	11.8	8.8	9.6	10.4	11.2	11.9*	1.37	55.8
	67	12.8	7.0	7.9	8.7	9.5	10.3	1.41	59.7
	71	13.8	5.3	6.1	6.9	7.7	8.5	1.45	63.8

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 15300 BTUH  
 AIRFLOW = 450 CFM  
 APP. DEW PT. = 56.0 DEG. F  
 COMPRESSOR POWER = 1183 WATTS  
 I.D. FAN POWER = 110 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 10.27 BTUH/WATT  
 E.E.R. = 10.75 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

### TTB515CA WITH MCW518FB0RA AT 310 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	12.4	9.3	9.9	10.4	11.0	11.6	0.97	40.2
	63	13.5	8.2	8.8	9.4	9.9	10.5	1.01	43.1
	67	14.7	7.1	7.6	8.2	8.8	9.4	1.05	47.2
	71	15.9	5.9	6.4	7.0	7.6	8.2	1.09	51.4
90	59	12.3	9.2	9.8	10.4	10.9	11.5	1.02	40.5
	63	13.4	8.2	8.7	9.3	9.9	10.4	1.06	43.6
	67	14.5	7.0	7.6	8.1	8.7	9.3	1.10	47.8
	71	15.7	5.8	6.4	6.9	7.5	8.1	1.14	51.9
95	59	12.2	9.2	9.7	10.3	10.9	11.4	1.07	40.8
	63	13.3	8.1	8.7	9.2	9.8	10.4	1.11	44.0
	67	14.4	6.9	7.5	8.1	8.7	9.2	1.15	49.0
	71	15.6	5.7	6.3	6.9	7.4	8.0	1.19	52.4
100	59	11.8	9.0	9.5	10.1	10.7	11.2	1.11	41.9
	63	12.9	7.9	8.5	9.1	9.6	10.2	1.15	45.5
	67	13.9	6.7	7.3	7.9	8.5	9.0	1.19	50.2
	71	15.1	5.5	6.1	6.7	7.2	7.8	1.24	53.8
105	59	11.5	8.8	9.3	9.9	10.5	11.0	1.16	42.9
	63	12.4	7.7	8.3	8.9	9.4	10.0	1.20	46.9
	67	13.5	6.5	7.1	7.7	8.2	8.8	1.24	51.3
	71	14.5	5.3	5.9	6.5	7.0	7.6	1.28	55.0
115	59	10.7	8.4	9.0	9.5	10.1	10.7	1.25	45.0
	63	11.6	7.3	7.9	8.5	9.0	9.6	1.29	49.5
	67	12.6	6.1	6.7	7.3	7.9	8.4	1.33	53.3
	71	13.5	4.9	5.5	6.1	6.6	7.2	1.37	57.2
120	59	10.3	8.2	8.8	9.3	9.9	10.4*	1.29	46.0
	63	11.2	7.1	7.7	8.3	8.8	9.4	1.33	50.4
	67	12.1	5.9	6.5	7.1	7.7	8.2	1.37	54.3
	71	13.0	4.7	5.3	5.9	6.4	7.0	1.41	58.2

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 14400 BTUH  
 AIRFLOW = 310 CFM APP.  
 DEW PT. = 49.0 DEG. F  
 COMPRESSOR POWER = 1151 WATTS  
 I.D. FAN POWER = 40 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 10.65 BTUH/WATT  
 E.E.R. = 10.90 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB515CA WITH MCD518DB00A AT 0.21 CMS (450 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	3.8	3.8	3.8	3.8	3.6	3.3
	Sensible kW	3.2	3.2	3.2	3.2	3.1	3.0
	SHR (%)	84	84	84	84	86	89
	Compressor kW	0.9	1.0	1.0	1.1	1.2	1.3
24.0/17.0	Capacity kW	4.1	4.1	4.1	4.1	3.8	3.6
	Sensible kW	3.3	3.3	3.3	3.3	3.2	3.1
	SHR (%)	81	81	81	81	83	85
	Compressor kW	0.9	1.0	1.1	1.1	1.2	1.3
29.0/21.0	Capacity kW	4.4	4.4	4.4	4.4	4.1	3.9
	Sensible kW	3.4	3.4	3.3	3.3	3.2	3.1
	SHR (%)	76	76	76	76	78	81
	Compressor kW	1.0	1.1	1.1	1.2	1.3	1.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 4.46 KW  
 AIRFLOW = 0.21 CMS  
 AIRFLOW = 450. CFM  
 APP. DEW PT. = 13.3 DEG. C  
 COMPRESSOR POWER = 1183 WATTS  
 I.D. FAN POWER = 110 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.15  
 EER = 10.75 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

### TTB515CA WITH MCW518FB0RA AT 0.15 CMS (310 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	3.7	3.6	3.6	3.6	3.4	3.2
	Sensible kW	2.6	2.6	2.6	2.6	2.5	2.4
	SHR (%)	72	73	73	73	74	75
	Compressor kW	0.9	1.0	1.0	1.1	1.1	1.2
24.0/17.0	Capacity kW	4.0	3.9	3.9	3.8	3.6	3.4
	Sensible kW	2.7	2.7	2.7	2.7	2.6	2.5
	SHR (%)	69	69	69	69	71	72
	Compressor kW	0.9	1.0	1.1	1.1	1.2	1.3
29.0/21.0	Capacity kW	4.3	4.2	4.2	4.1	3.9	3.7
	Sensible kW	2.7	2.7	2.7	2.7	2.6	2.5
	SHR (%)	64	64	64	65	66	68
	Compressor kW	1.0	1.0	1.1	1.1	1.2	1.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 4.19 KW  
 AIRFLOW = 0.15 CMS  
 AIRFLOW = 310. CFM  
 APP. DEW PT. = 9.5 DEG. C  
 COMPRESSOR POWER = 1151 WATTS  
 I.D. FAN POWER = 40 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.19  
 EER = 10.90 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB515CA WITH MCX518CB AT 475 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	13.4	12.0	12.9	13.6*	14.0*	14.3*	1.01	48.6
	63	14.6	10.2	11.1	12.1	13.0	14.0	1.05	52.3
	67	15.8	8.2	9.2	10.1	11.0	12.0	1.09	56.4
	71	17.0	6.2	7.1	8.1	9.0	10.0	1.13	60.5
90	59	13.4	11.9	12.9	13.5*	13.9*	14.3*	1.06	48.6
	63	14.5	10.2	11.1	12.0	13.0	13.9	1.10	52.4
	67	15.7	8.2	9.1	10.1	11.0	11.9	1.14	56.4
	71	16.9	6.2	7.1	8.0	9.0	9.9	1.19	60.6
95	59	13.3	11.9	12.9	13.5*	13.9*	14.2*	1.11	48.7
	63	14.4	10.1	11.1	12.0	13.0	13.9	1.15	52.5
	67	15.6	8.2	9.1	10.0	11.0	11.9	1.20	56.5
	71	16.8	6.1	7.1	8.0	8.9	9.9	1.24	60.7
100	59	12.9	11.7	12.7	13.1*	13.5*	13.9*	1.16	49.2
	63	14.0	9.9	10.9	11.8	12.7	13.7	1.20	53.0
	67	15.1	7.9	8.9	9.8	10.8	11.7	1.24	57.0
	71	16.3	5.9	6.9	7.8	8.7	9.7	1.29	61.2
105	59	12.5	11.5	12.5	12.8*	13.2*	13.5*	1.20	49.7
	63	13.5	9.7	10.7	11.6	12.5	13.5	1.24	53.4
	67	14.6	7.7	8.7	9.6	10.6	11.5	1.28	57.5
	71	15.7	5.7	6.7	7.6	8.5	9.5	1.33	61.7
115	59	11.6	11.1	11.8*	12.1*	12.4*	12.7*	1.29	50.6
	63	12.6	9.3	10.3	11.2	12.1	12.7*	1.33	54.4
	67	13.6	7.3	8.3	9.2	10.1	11.1	1.37	58.5
	71	14.6	5.3	6.2	7.2	8.1	9.1	1.41	62.7
120	59	11.2	10.9	11.4*	11.7*	12.1*	12.4*	1.34	51.0
	63	12.1	9.1	10.1	11.0	11.9	12.4*	1.38	54.8
	67	13.1	7.1	8.1	9.0	9.9	10.9	1.41	59.0
	71	14.1	5.1	6.0	7.0	7.9	8.8	1.45	63.2

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 15600 BTUH

AIRFLOW = 475 CFM

APP. DEW PT. = 56.5 DEG. F

COMPRESSOR POWER = 1198 WATTS

I.D. FAN POWER = 90 WATTS

O.D. FAN POWER = 130 WATTS

S.E.E.R. = 10.36 BTUH/WATT

E.E.R. = 11.00 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

### TTB515CA WITH MCX518EB AT 475 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	13.4	12.0	12.9	13.6*	14.0*	14.3*	1.01	48.6
	63	14.6	10.2	11.1	12.1	13.0	14.0	1.05	52.3
	67	15.8	8.2	9.2	10.1	11.0	12.0	1.09	56.4
	71	17.0	6.2	7.1	8.1	9.0	10.0	1.13	60.5
90	59	13.4	11.9	12.9	13.5*	13.9*	14.3*	1.06	48.6
	63	14.5	10.2	11.1	12.0	13.0	13.9	1.10	52.4
	67	15.7	8.2	9.1	10.1	11.0	11.9	1.14	56.4
	71	16.9	6.2	7.1	8.0	9.0	9.9	1.19	60.6
95	59	13.3	11.9	12.9	13.5*	13.9*	14.2*	1.11	48.7
	63	14.4	10.1	11.1	12.0	13.0	13.9	1.15	52.5
	67	15.6	8.2	9.1	10.0	11.0	11.9	1.20	56.5
	71	16.8	6.1	7.1	8.0	8.9	9.9	1.24	60.7
100	59	12.9	11.7	12.7	13.1*	13.5*	13.9*	1.16	49.2
	63	14.0	9.9	10.9	11.8	12.7	13.7	1.20	53.0
	67	15.1	7.9	8.9	9.8	10.8	11.7	1.24	57.0
	71	16.3	5.9	6.9	7.8	8.7	9.7	1.29	61.2
105	59	12.5	11.5	12.5	12.8*	13.2*	13.5*	1.20	49.7
	63	13.5	9.7	10.7	11.6	12.5	13.5	1.24	53.4
	67	14.6	7.7	8.7	9.6	10.6	11.5	1.28	57.5
	71	15.7	5.7	6.7	7.6	8.5	9.5	1.33	61.7
115	59	11.6	11.1	11.8*	12.1*	12.4*	12.7*	1.29	50.6
	63	12.6	9.3	10.3	11.2	12.1	12.7*	1.33	54.4
	67	13.6	7.3	8.3	9.2	10.1	11.1	1.37	58.5
	71	14.6	5.3	6.2	7.2	8.1	9.1	1.41	62.7
120	59	11.2	10.9	11.4*	11.7*	12.1*	12.4*	1.34	51.0
	63	12.1	9.1	10.1	11.0	11.9	12.4*	1.38	54.8
	67	13.1	7.1	8.1	9.0	9.9	10.9	1.41	59.0
	71	14.1	5.1	6.0	7.0	7.9	8.8	1.45	63.2

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 15600 BTUH

AIRFLOW = 475 CFM

APP. DEW PT. = 56.5 DEG. F

COMPRESSOR POWER = 1198 WATTS

I.D. FAN POWER = 90 WATTS

O.D. FAN POWER = 130 WATTS

S.E.E.R. = 10.36 BTUH/WATT

E.E.R. = 11.00 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 5/8 SUCTION AND 1/4 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY

GROSS CAPACITY IN BTUH/1000

\* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)

TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL

ALL TEMPERATURES IN DEGREES F



# Performance Data

## Cooling

# Metric

**TTB515CA WITH MCX518CB AT 0.22 CMS (475 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	3.9	3.9	3.9	3.9	3.7	3.4
	Sensible kW	3.3	3.4	3.3	3.3	3.2	3.1
	SHR (%)	85	85	85	86	88	91
	Compressor kW	0.9	1.0	1.1	1.1	1.2	1.3
24.0/17.0	Capacity kW	4.2	4.2	4.2	4.2	3.9	3.7
	Sensible kW	3.5	3.5	3.5	3.5	3.3	3.2
	SHR (%)	82	82	82	83	85	88
	Compressor kW	1.0	1.0	1.1	1.2	1.2	1.3
29.0/21.0	Capacity kW	4.5	4.5	4.5	4.5	4.2	4.0
	Sensible kW	3.5	3.5	3.5	3.5	3.4	3.3
	SHR (%)	78	78	78	78	81	84
	Compressor kW	1.0	1.1	1.1	1.2	1.3	1.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 4.56 KW  
 AIRFLOW = 0.22 CMS  
 AIRFLOW = 475. CFM  
 APP. DEW PT. = 13.6 DEG. C  
 COMPRESSOR POWER = 1198 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.22  
 EER = 11.00 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

**TTB515CA WITH MCX518EB AT 0.22 CMS (475 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	3.9	3.9	3.9	3.9	3.7	3.4
	Sensible kW	3.3	3.4	3.3	3.3	3.2	3.1
	SHR (%)	85	85	85	86	88	91
	Compressor kW	0.9	1.0	1.1	1.1	1.2	1.3
24.0/17.0	Capacity kW	4.2	4.2	4.2	4.2	3.9	3.7
	Sensible kW	3.5	3.5	3.5	3.5	3.3	3.2
	SHR (%)	82	82	82	83	85	88
	Compressor kW	1.0	1.0	1.1	1.2	1.2	1.3
29.0/21.0	Capacity kW	4.5	4.5	4.5	4.5	4.2	4.0
	Sensible kW	3.5	3.5	3.5	3.5	3.4	3.3
	SHR (%)	78	78	78	78	81	84
	Compressor kW	1.0	1.1	1.1	1.2	1.3	1.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 4.56 KW  
 AIRFLOW = 0.22 CMS  
 AIRFLOW = 475. CFM  
 APP. DEW PT. = 13.6 DEG. C  
 COMPRESSOR POWER = 1198 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.22  
 EER = 11.00 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 5/8 IN. SUCTION AND 1/4 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

## English

### TTB520CA WITH MCD518DB00A AT 450 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	15.5	12.5	13.3	14.1	14.9	15.6*	1.32	45.4
	63	16.8	11.1	11.9	12.7	13.5	14.3	1.37	49.3
	67	18.1	9.4	10.2	11.0	11.8	12.6	1.42	54.0
	71	19.6	7.6	8.4	9.2	10.0	10.8	1.47	57.2
90	59	15.5	12.5	13.3	14.2	15.0	15.6*	1.39	45.3
	63	16.8	11.1	11.9	12.7	13.5	14.3	1.44	49.2
	67	18.2	9.4	10.2	11.0	11.8	12.6	1.49	53.9
	71	19.6	7.6	8.4	9.3	10.1	10.9	1.54	57.1
95	59	15.5	12.6	13.4	14.2	15.0	15.6*	1.46	45.3
	63	16.8	11.1	11.9	12.7	13.5	14.3	1.51	49.1
	67	18.2	9.4	10.2	11.0	11.8	12.6	1.56	53.8
	71	19.6	7.7	8.5	9.3	10.1	10.9	1.62	57.0
100	59	15.0	12.3	13.1	13.9	14.7	15.2*	1.51	46.7
	63	16.3	10.8	11.6	12.4	13.2	14.0	1.56	50.7
	67	17.6	9.1	9.9	10.7	11.5	12.3	1.61	55.1
	71	19.0	7.4	8.2	9.0	9.8	10.6	1.66	58.5
105	59	14.5	12.0	12.8	13.6	14.4	14.8*	1.56	48.0
	63	15.7	10.5	11.3	12.2	13.0	13.8	1.61	52.1
	67	17.0	8.9	9.7	10.5	11.3	12.1	1.66	56.3
	71	18.4	7.1	7.9	8.7	9.5	10.3	1.71	59.9
115	59	13.4	11.5	12.3	13.1	13.6*	14.0*	1.66	50.4
	63	14.6	10.0	10.8	11.6	12.4	13.2	1.71	54.8
	67	15.8	8.3	9.1	9.9	10.7	11.5	1.75	58.4
	71	17.1	6.6	7.4	8.2	9.0	9.8	1.80	62.2
120	59	12.9	11.2	12.0	12.8	13.2*	13.6*	1.71	51.5
	63	14.1	9.7	10.5	11.4	12.2	13.0	1.76	55.7
	67	15.2	8.1	8.9	9.7	10.5	11.3	1.80	59.4
	71	16.4	6.3	7.1	7.9	8.7	9.5	1.85	63.2

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 18200 BTUH  
 AIRFLOW = 450 CFM  
 APP. DEW PT. = 53.8 DEG. F  
 COMPRESSOR POWER = 1562 WATTS  
 I.D. FAN POWER = 110 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.65 BTUH/WATT  
 E.E.R. = 10.10 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB520CA WITH MCW518FB0RA AT 310 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	14.9	10.5	11.0	11.6	12.2	12.7	1.31	38.0
	63	16.2	9.4	10.0	10.6	11.1	11.7	1.36	36.5
	67	17.6	8.3	8.8	9.4	10.0	10.5	1.41	45.3
	71	19.0	7.1	7.7	8.2	8.8	9.4	1.46	53.3
90	59	14.6	10.3	10.9	11.4	12.0	12.6	1.36	39.9
	63	15.8	9.3	9.8	10.4	10.9	11.5	1.41	36.0
	67	17.2	8.1	8.7	9.2	9.8	10.3	1.46	44.7
	71	18.6	6.9	7.5	8.0	8.6	9.2	1.51	52.7
95	59	14.3	10.1	10.7	11.3	11.8	12.4	1.41	41.4
	63	15.5	9.1	9.6	10.2	10.8	11.3	1.45	35.4
	67	16.8	7.9	8.5	9.0	9.6	10.2	1.50	44.1
	71	18.1	6.7	7.3	7.9	8.4	9.0	1.55	52.2
100	59	13.9	10.0	10.5	11.1	11.6	12.2	1.46	43.0
	63	15.1	8.9	9.4	10.0	10.6	11.1	1.50	41.0
	67	16.4	7.7	8.3	8.9	9.4	10.0	1.55	43.3
	71	17.7	6.5	7.1	7.7	8.2	8.8	1.60	51.4
105	59	13.6	9.8	10.3	10.9	11.5	12.0	1.51	44.3
	63	14.7	8.7	9.3	9.8	10.4	10.9	1.56	44.8
	67	16.0	7.5	8.1	8.7	9.2	9.8	1.60	44.5
	71	17.2	6.3	6.9	7.5	8.0	8.6	1.65	50.7
115	59	12.9	9.4	10.0	10.5	11.1	11.7	1.62	46.8
	63	14.0	8.3	8.9	9.4	10.0	10.6	1.66	49.2
	67	15.1	7.2	7.7	8.3	8.8	9.4	1.71	53.2
	71	16.3	6.0	6.5	7.1	7.6	8.2	1.75	58.3
120	59	12.6	9.2	9.8	10.3	10.9	11.5	1.67	47.9
	63	13.6	8.1	8.7	9.3	9.8	10.4	1.71	50.9
	67	14.7	7.0	7.5	8.1	8.7	9.2	1.76	55.3
	71	15.8	5.8	6.3	6.9	7.4	8.0	1.80	59.8

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 16800 BTUH  
 AIRFLOW = 310 CFM  
 APP. DEW PT. = 44.1 DEG. F  
 COMPRESSOR POWER = 1502 WATTS  
 I.D. FAN POWER = 40 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.92 BTUH/WATT  
 E.E.R. = 10.05 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB520CA WITH MCD518DB00A AT 0.21 CMS (450 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	4.4	4.5	4.5	4.5	4.3	4.0
	Sensible kW	3.5	3.5	3.5	3.6	3.4	3.3
	SHR (%)	79	79	79	79	80	82
	Compressor kW	1.2	1.3	1.4	1.5	1.5	1.6
24.0/17.0	Capacity kW	4.7	4.9	4.9	4.9	4.6	4.3
	Sensible kW	3.6	3.6	3.7	3.7	3.5	3.4
	SHR (%)	76	75	75	75	77	79
	Compressor kW	1.3	1.4	1.4	1.5	1.6	1.7
29.0/21.0	Capacity kW	5.1	5.2	5.2	5.2	4.9	4.6
	Sensible kW	3.6	3.7	3.7	3.7	3.5	3.4
	SHR (%)	71	70	70	70	72	74
	Compressor kW	1.3	1.4	1.5	1.6	1.6	1.7

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.31 KW  
 AIRFLOW = 0.21 CMS  
 AIRFLOW = 450. CFM  
 APP. DEW PT. = 12.1 DEG. C  
 COMPRESSOR POWER = 1562 WATTS  
 I.D. FAN POWER = 110 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 2.96  
 EER = 10.10 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB520CA WITH MCW518FB0RA AT 0.15 CMS (310 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	4.5	4.4	4.3	4.2	4.0	3.8
	Sensible kW	3.1	3.0	3.0	2.9	2.8	2.7
	SHR (%)	68	69	69	69	70	71
	Compressor kW	1.2	1.3	1.4	1.4	1.5	1.6
24.0/17.0	Capacity kW	4.9	4.7	4.6	4.5	4.3	4.1
	Sensible kW	3.1	3.1	3.0	3.0	2.8	2.8
	SHR (%)	65	65	65	66	66	67
	Compressor kW	1.3	1.3	1.4	1.4	1.5	1.6
29.0/21.0	Capacity kW	5.2	5.1	5.0	4.8	4.6	4.4
	Sensible kW	3.1	3.0	3.0	2.9	2.8	2.7
	SHR (%)	59	60	60	61	61	62
	Compressor kW	1.3	1.4	1.4	1.5	1.6	1.7

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 4.92 KW  
 AIRFLOW = 0.15 CMS  
 AIRFLOW = 310. CFM  
 APP. DEW PT. = 6.7 DEG. C  
 COMPRESSOR POWER = 1502 WATTS  
 I.D. FAN POWER = 40 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 2.95  
 EER = 10.05 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

## TTB520CA WITH MCX518CB AT 475 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP. DEW PT.	
			72	74	76	80			
85	59	15.7	13.0	14.0	14.9	15.8*	16.2*	1.36	46.4
	63	17.1	11.3	12.2	13.1	14.1	15.0	1.41	50.6
	67	18.5	9.3	10.3	11.2	12.1	13.1	1.46	54.5
	71	19.9	7.3	8.2	9.2	10.1	11.0	1.51	58.6
90	59	15.7	13.0	13.9	14.9	15.8*	16.2*	1.42	46.5
	63	17.0	11.3	12.2	13.1	14.1	15.0	1.47	50.6
	67	18.4	9.3	10.2	11.2	12.1	13.0	1.52	54.6
	71	19.9	7.3	8.2	9.2	10.1	11.0	1.58	58.6
95	59	15.7	13.0	13.9	14.9	15.7*	16.1*	1.49	46.5
	63	17.0	11.3	12.2	13.1	14.1	15.0	1.54	50.6
	67	18.4	9.3	10.2	11.2	12.1	13.0	1.59	54.6
	71	19.8	7.3	8.2	9.2	10.1	11.0	1.65	58.7
100	59	15.2	12.8	13.7	14.6	15.4*	15.8*	1.54	47.2
	63	16.5	11.0	12.0	12.9	13.8	14.8	1.59	51.2
	67	17.9	9.1	10.0	10.9	11.9	12.8	1.64	55.2
	71	19.2	7.1	8.0	8.9	9.9	10.8	1.69	59.3
105	59	14.8	12.6	13.5	14.4	15.0*	15.4*	1.58	48.0
	63	16.0	10.8	11.7	12.7	13.6	14.5	1.63	51.7
	67	17.3	8.8	9.8	10.7	11.6	12.6	1.68	55.8
	71	18.7	6.8	7.8	8.7	9.6	10.6	1.73	59.9
115	59	13.9	12.1	13.0	13.9*	14.3*	14.7*	1.68	49.1
	63	15.0	10.3	11.3	12.2	13.2	14.1	1.73	52.8
	67	16.3	8.4	9.3	10.3	11.2	12.1	1.77	56.9
	71	17.5	6.4	7.3	8.2	9.2	10.1	1.82	61.0
120	59	13.4	11.9	12.8	13.5*	13.9*	14.3*	1.73	49.6
	63	14.5	10.1	11.1	12.0	12.9	13.9	1.77	53.4
	67	15.7	8.2	9.1	10.0	11.0	11.9	1.82	57.4
	71	16.9	6.1	7.1	8.0	8.9	9.9	1.86	61.6

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 18400 BTUH  
 AIRFLOW = 475 CFM  
 APP. DEW PT. = 54.6 DEG. F  
 COMPRESSOR POWER = 1592 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.63 BTUH/WATT  
 E.E.R. = 10.15 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

## TTB520CA WITH MCX518EB AT 475 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.				COMPR. KW	APP. DEW PT.	
			72	74	76	80			
85	59	15.7	13.0	14.0	14.9	15.8*	16.2*	1.36	46.4
	63	17.1	11.3	12.2	13.1	14.1	15.0	1.41	50.6
	67	18.5	9.3	10.3	11.2	12.1	13.1	1.46	54.5
	71	19.9	7.3	8.2	9.2	10.1	11.0	1.51	58.6
90	59	15.7	13.0	13.9	14.9	15.8*	16.2*	1.42	46.5
	63	17.0	11.3	12.2	13.1	14.1	15.0	1.47	50.6
	67	18.4	9.3	10.2	11.2	12.1	13.0	1.52	54.6
	71	19.9	7.3	8.2	9.2	10.1	11.0	1.58	58.6
95	59	15.7	13.0	13.9	14.9	15.7*	16.1*	1.49	46.5
	63	17.0	11.3	12.2	13.1	14.1	15.0	1.54	50.6
	67	18.4	9.3	10.2	11.2	12.1	13.0	1.59	54.6
	71	19.8	7.3	8.2	9.2	10.1	11.0	1.65	58.7
100	59	15.2	12.8	13.7	14.6	15.4*	15.8*	1.54	47.2
	63	16.5	11.0	12.0	12.9	13.8	14.8	1.59	51.2
	67	17.9	9.1	10.0	10.9	11.9	12.8	1.64	55.2
	71	19.2	7.1	8.0	8.9	9.9	10.8	1.69	59.3
105	59	14.8	12.6	13.5	14.4	15.0*	15.4*	1.58	48.0
	63	16.0	10.8	11.7	12.7	13.6	14.5	1.63	51.7
	67	17.3	8.8	9.8	10.7	11.6	12.6	1.68	55.8
	71	18.7	6.8	7.8	8.7	9.6	10.6	1.73	59.9
115	59	13.9	12.1	13.0	13.9*	14.3*	14.7*	1.68	49.1
	63	15.0	10.3	11.3	12.2	13.2	14.1	1.73	52.8
	67	16.3	8.4	9.3	10.3	11.2	12.1	1.77	56.9
	71	17.5	6.4	7.3	8.2	9.2	10.1	1.82	61.0
120	59	13.4	11.9	12.8	13.5*	13.9*	14.3*	1.73	49.6
	63	14.5	10.1	11.1	12.0	12.9	13.9	1.77	53.4
	67	15.7	8.2	9.1	10.0	11.0	11.9	1.82	57.4
	71	16.9	6.1	7.1	8.0	8.9	9.9	1.86	61.6

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 18400 BTUH  
 AIRFLOW = 475 CFM  
 APP. DEW PT. = 54.6 DEG. F  
 COMPRESSOR POWER = 1592 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 9.63 BTUH/WATT  
 E.E.R. = 10.15 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

**TTB520CA WITH MCX518CB AT 0.22 CMS (475 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	4.6	4.6	4.6	4.6	4.4	4.1
	Sensible kW	3.6	3.7	3.7	3.7	3.5	3.4
	SHR (%)	80	80	80	80	81	83
	Compressor kW	1.3	1.3	1.4	1.5	1.6	1.7
24.0/17.0	Capacity kW	4.9	5.0	5.0	4.9	4.7	4.4
	Sensible kW	3.8	3.8	3.8	3.8	3.7	3.5
	SHR (%)	77	76	76	77	78	80
	Compressor kW	1.3	1.4	1.5	1.5	1.6	1.7
29.0/21.0	Capacity kW	5.3	5.3	5.3	5.3	5.0	4.7
	Sensible kW	3.8	3.8	3.8	3.8	3.7	3.6
	SHR (%)	72	72	72	72	74	76
	Compressor kW	1.3	1.4	1.5	1.6	1.7	1.7

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.39 KW  
 AIRFLOW = 0.22 CMS  
 AIRFLOW = 475. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 1592 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 2.97  
 EER = 10.15 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

**TTB520CA WITH MCX518EB AT 0.22 CMS (475 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	4.6	4.6	4.6	4.6	4.4	4.1
	Sensible kW	3.6	3.7	3.7	3.7	3.5	3.4
	SHR (%)	80	80	80	80	81	83
	Compressor kW	1.3	1.3	1.4	1.5	1.6	1.7
24.0/17.0	Capacity kW	4.9	5.0	5.0	4.9	4.7	4.4
	Sensible kW	3.8	3.8	3.8	3.8	3.7	3.5
	SHR (%)	77	76	76	77	78	80
	Compressor kW	1.3	1.4	1.5	1.5	1.6	1.7
29.0/21.0	Capacity kW	5.3	5.3	5.3	5.3	5.0	4.7
	Sensible kW	3.8	3.8	3.8	3.8	3.7	3.6
	SHR (%)	72	72	72	72	74	76
	Compressor kW	1.3	1.4	1.5	1.6	1.7	1.7

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.39 KW  
 AIRFLOW = 0.22 CMS  
 AIRFLOW = 475. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 1592 WATTS  
 I.D. FAN POWER = 90 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 2.97  
 EER = 10.15 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB520CA WITH MCX524CB AT 675 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	17.8	16.1	17.4	18.1*	18.6*	19.0*	1.40	48.7
	63	19.2	13.6	14.9	16.2	17.5	18.8	1.45	52.6
	67	20.6	10.8	12.1	13.4	14.7	16.0	1.51	56.7
	71	22.1	7.9	9.2	10.5	11.8	13.1	1.56	60.9
90	59	17.6	16.0	17.3	18.0*	18.4*	18.9*	1.47	48.9
	63	19.0	13.5	14.8	16.1	17.4	18.7	1.53	52.7
	67	20.4	10.7	12.0	13.3	14.6	15.9	1.58	56.9
	71	21.9	7.8	9.1	10.4	11.7	13.0	1.64	61.1
95	59	17.4	15.9	17.2	17.8*	18.3*	18.7*	1.54	49.0
	63	18.8	13.4	14.7	16.0	17.3	18.6	1.60	52.9
	67	20.2	10.6	11.9	13.2	14.5	15.8	1.65	57.0
	71	21.7	7.7	9.0	10.3	11.7	13.0	1.71	61.2
100	59	16.8	15.6	16.9*	17.3*	17.8*	18.2*	1.60	49.5
	63	18.1	13.1	14.4	15.7	17.0	18.2*	1.65	53.3
	67	19.5	10.3	11.6	12.9	14.2	15.5	1.70	57.5
	71	20.9	7.4	8.8	10.1	11.4	12.7	1.76	61.7
105	59	16.2	15.4	16.3*	16.8*	17.2*	17.6*	1.65	49.9
	63	17.4	12.8	14.1	15.4	16.7	17.6*	1.70	53.8
	67	18.8	10.0	11.3	12.6	13.9	15.2	1.76	58.0
	71	20.1	7.2	8.5	9.8	11.1	12.4	1.81	62.2
115	59	15.0	14.8	15.3*	15.7*	16.1*	16.5*	1.76	50.9
	63	16.1	12.2	13.6	14.9	16.1*	16.5*	1.81	54.8
	67	17.3	9.4	10.7	12.0	13.4	14.7	1.87	59.0
	71	18.6	6.6	7.9	9.2	10.5	11.8	1.92	63.2
120	59	14.3	14.4*	14.8*	15.2*	15.6*	16.0*	1.82	51.3
	63	15.4	12.0	13.3	14.6	15.6*	16.0*	1.87	55.2
	67	16.6	9.2	10.5	11.8	13.1	14.4	1.92	59.4
	71	17.8	6.3	7.6	8.9	10.2	11.5	1.97	63.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 20200 BTUH  
 AIRFLOW = 675 CFM  
 APP. DEW PT. = 57.0 DEG. F  
 COMPRESSOR POWER = 1651 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 10.19 BTUH/WATT  
 E.E.R. = 10.60 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB520CA WITH MCX524EB AT 675 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	17.8	16.1	17.4	18.1*	18.6*	19.0*	1.40	48.7
	63	19.2	13.6	14.9	16.2	17.5	18.8	1.45	52.6
	67	20.6	10.8	12.1	13.4	14.7	16.0	1.51	56.7
	71	22.1	7.9	9.2	10.5	11.8	13.1	1.56	60.9
90	59	17.6	16.0	17.3	18.0*	18.4*	18.9*	1.47	48.9
	63	19.0	13.5	14.8	16.1	17.4	18.7	1.53	52.7
	67	20.4	10.7	12.0	13.3	14.6	15.9	1.58	56.9
	71	21.9	7.8	9.1	10.4	11.7	13.0	1.64	61.1
95	59	17.4	15.9	17.2	17.8*	18.3*	18.7*	1.54	49.0
	63	18.8	13.4	14.7	16.0	17.3	18.6	1.60	52.9
	67	20.2	10.6	11.9	13.2	14.5	15.8	1.65	57.0
	71	21.7	7.7	9.0	10.3	11.7	13.0	1.71	61.2
100	59	16.8	15.6	16.9*	17.3*	17.8*	18.2*	1.60	49.5
	63	18.1	13.1	14.4	15.7	17.0	18.2*	1.65	53.3
	67	19.5	10.3	11.6	12.9	14.2	15.5	1.70	57.5
	71	20.9	7.4	8.8	10.1	11.4	12.7	1.76	61.7
105	59	16.2	15.4	16.3*	16.8*	17.2*	17.6*	1.65	49.9
	63	17.4	12.8	14.1	15.4	16.7	17.6*	1.70	53.8
	67	18.8	10.0	11.3	12.6	13.9	15.2	1.76	58.0
	71	20.1	7.2	8.5	9.8	11.1	12.4	1.81	62.2
115	59	15.0	14.8	15.3*	15.7*	16.1*	16.5*	1.76	50.9
	63	16.1	12.2	13.6	14.9	16.1*	16.5*	1.81	54.8
	67	17.3	9.4	10.7	12.0	13.4	14.7	1.87	59.0
	71	18.6	6.6	7.9	9.2	10.5	11.8	1.92	63.2
120	59	14.3	14.4*	14.8*	15.2*	15.6*	16.0*	1.82	51.3
	63	15.4	12.0	13.3	14.6	15.6*	16.0*	1.87	55.2
	67	16.6	9.2	10.5	11.8	13.1	14.4	1.92	59.4
	71	17.8	6.3	7.6	8.9	10.2	11.5	1.97	63.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 20200 BTUH  
 AIRFLOW = 675 CFM  
 APP. DEW PT. = 57.0 DEG. F  
 COMPRESSOR POWER = 1651 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 130 WATTS  
 S.E.E.R. = 10.19 BTUH/WATT  
 E.E.R. = 10.60 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB520CA WITH MCX524CB AT 0.32 CMS (675 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	5.2	5.2	5.1	5.1	4.8	4.4
	Sensible kW	4.5	4.5	4.5	4.4	4.3	4.1
	SHR (%)	86	86	87	87	90	93
	Compressor kW	1.3	1.4	1.5	1.5	1.6	1.7
24.0/17.0	Capacity kW	5.6	5.6	5.5	5.4	5.1	4.8
	Sensible kW	4.7	4.6	4.6	4.6	4.4	4.3
	SHR (%)	83	84	84	84	87	90
	Compressor kW	1.3	1.4	1.5	1.6	1.7	1.8
29.0/21.0	Capacity kW	6.0	6.0	5.9	5.8	5.4	5.1
	Sensible kW	4.7	4.7	4.7	4.7	4.6	4.4
	SHR (%)	80	80	80	81	84	87
	Compressor kW	1.4	1.5	1.6	1.6	1.7	1.8

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.90 KW  
 AIRFLOW = 0.32 CMS  
 AIRFLOW = 675. CFM  
 APP. DEW PT. = 13.9 DEG. C  
 COMPRESSOR POWER = 1651 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.11  
 EER = 10.60 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB520CA WITH MCX524EB AT 0.32 CMS (675 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	5.2	5.2	5.1	5.1	4.8	4.4
	Sensible kW	4.5	4.5	4.5	4.4	4.3	4.1
	SHR (%)	86	86	87	87	90	93
	Compressor kW	1.3	1.4	1.5	1.5	1.6	1.7
24.0/17.0	Capacity kW	5.6	5.6	5.5	5.4	5.1	4.8
	Sensible kW	4.7	4.6	4.6	4.6	4.4	4.3
	SHR (%)	83	84	84	84	87	90
	Compressor kW	1.3	1.4	1.5	1.6	1.7	1.8
29.0/21.0	Capacity kW	6.0	6.0	5.9	5.8	5.4	5.1
	Sensible kW	4.7	4.7	4.7	4.7	4.6	4.4
	SHR (%)	80	80	80	81	84	87
	Compressor kW	1.4	1.5	1.6	1.6	1.7	1.8

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.90 KW  
 AIRFLOW = 0.32 CMS  
 AIRFLOW = 675. CFM  
 APP. DEW PT. = 13.9 DEG. C  
 COMPRESSOR POWER = 1651 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 130 WATTS  
 COP = 3.11  
 EER = 10.60 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

## TTB524CA WITH MCD524DB00A AT 600 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	20.3	16.5	17.6	18.7	19.9	20.6*	1.85	45.6
	63	22.0	14.4	15.5	16.7	17.8	18.9	1.92	50.2
	67	23.7	12.1	13.2	14.3	15.4	16.5	1.98	53.9
	71	25.6	9.6	10.7	11.9	13.0	14.1	2.05	57.8
90	59	20.2	16.5	17.6	18.7	19.8	20.5*	1.95	45.7
	63	21.9	14.4	15.5	16.6	17.8	18.9	2.02	50.2
	67	23.7	12.0	13.1	14.3	15.4	16.5	2.08	54.0
	71	25.5	9.6	10.7	11.8	13.0	14.1	2.15	57.9
95	59	20.2	16.4	17.6	18.7	19.8	20.5*	2.06	45.8
	63	21.8	14.4	15.5	16.6	17.7	18.8	2.12	50.3
	67	23.6	12.0	13.1	14.2	15.4	16.5	2.19	54.1
	71	25.4	9.5	10.7	11.8	12.9	14.0	2.25	58.0
100	59	19.5	16.1	17.3	18.4	19.5	20.0*	2.14	46.7
	63	21.2	14.0	15.2	16.3	17.4	18.5	2.20	51.0
	67	22.9	11.7	12.8	13.9	15.0	16.2	2.26	54.9
	71	24.6	9.2	10.3	11.5	12.6	13.7	2.33	58.9
105	59	18.9	15.8	17.0	18.1	19.0*	19.5*	2.22	47.5
	63	20.5	13.7	14.8	16.0	17.1	18.2	2.28	51.8
	67	22.1	11.3	12.5	13.6	14.7	15.8	2.34	55.7
	71	23.8	8.9	10.0	11.1	12.3	13.4	2.40	59.7
115	59	17.7	15.2	16.3	17.5	18.0*	18.5*	2.39	49.2
	63	19.1	13.1	14.2	15.3	16.5	17.6	2.44	53.2
	67	20.6	10.7	11.8	12.9	14.1	15.2	2.49	57.1
	71	22.2	8.2	9.4	10.5	11.6	12.7	2.55	61.2
120	59	17.0	14.9	16.0	17.1*	17.5*	18.0*	2.48	50.1
	63	18.4	12.8	13.9	15.0	16.1	17.3	2.52	53.8
	67	19.9	10.4	11.5	12.6	13.8	14.9	2.57	57.8
	71	21.4	7.9	9.1	10.2	11.3	12.4	2.62	61.9

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 23600 BTUH  
 AIRFLOW = 600 CFM  
 APP. DEW PT. = 54.1 DEG. F  
 COMPRESSOR POWER = 2186 WATTS  
 I.D. FAN POWER = 200 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 8.85 BTUH/WATT  
 E.E.R. = 9.25 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

## TTB524CA WITH MCW030JN00A AT 760 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	22.0	19.0	20.4	21.9	22.6*	23.1*	2.17	47.8
	63	23.8	16.2	17.6	19.1	20.6	22.0	2.24	51.6
	67	25.7	13.0	14.5	16.0	17.4	18.9	2.31	55.7
	71	27.6	9.8	11.3	12.8	14.3	15.7	2.38	59.8
90	59	21.9	18.9	20.4	21.8	22.4*	23.0*	2.29	47.9
	63	23.7	16.1	17.6	19.0	20.5	22.0	2.35	51.7
	67	25.5	13.0	14.5	15.9	17.4	18.9	2.42	55.7
	71	27.5	9.8	11.3	12.7	14.2	15.7	2.49	59.9
95	59	21.7	18.8	20.3	21.8*	22.3*	22.9*	2.40	48.0
	63	23.5	16.0	17.5	19.0	20.4	21.9	2.47	51.7
	67	25.4	12.9	14.4	15.9	17.3	18.8	2.54	55.8
	71	27.3	9.8	11.2	12.7	14.2	15.6	2.61	60.0
100	59	21.1	18.5	20.0	21.3*	21.9*	22.4*	2.47	48.4
	63	22.9	15.8	17.2	18.7	20.2	21.6	2.53	52.2
	67	24.7	12.7	14.1	15.6	17.1	18.5	2.60	56.3
	71	26.6	9.5	10.9	12.4	13.9	15.4	2.67	60.4
105	59	20.5	18.3	19.7	20.8*	21.4*	21.9*	2.54	48.8
	63	22.2	15.5	16.9	18.4	19.9	21.3	2.60	52.6
	67	24.0	12.4	13.8	15.3	16.8	18.3	2.67	56.7
	71	25.9	9.2	10.7	12.1	13.6	15.1	2.73	60.8
115	59	19.3	17.7	19.2	19.8*	20.4*	20.9*	2.69	49.7
	63	20.9	14.9	16.4	17.9	19.3	20.8	2.74	53.4
	67	22.7	11.8	13.3	14.8	16.2	17.7	2.80	57.5
	71	24.5	8.7	10.1	11.6	13.1	14.5	2.85	61.7
120	59	18.7	17.4	18.7*	19.3*	19.8*	20.4*	2.76	50.1
	63	20.3	14.6	16.1	17.6	19.0	20.4*	2.81	53.9
	67	22.0	11.6	13.0	14.5	16.0	17.4	2.86	57.9
	71	23.7	8.4	9.9	11.3	12.8	14.3	2.91	62.1

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 25400 BTUH  
 AIRFLOW = 760 CFM  
 APP. DEW PT. = 55.8 DEG. F  
 COMPRESSOR POWER = 2536 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 9.27 BTUH/WATT  
 E.E.R. = 9.50 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB524CA WITH MCD524DB00A AT 0.28 CMS (600 CFM)

Return Air DB/WB C	Outdoor Temperatures C					
	25	29	32	35	40	45
21.0/14.5 Capacity kW	5.9	5.9	5.9	5.9	5.6	5.2
Sensible kW	4.6	4.6	4.6	4.6	4.5	4.3
SHR (%)	79	79	79	79	80	82
Compressor kW	1.7	1.8	1.9	2.1	2.2	2.4
24.0/17.0 Capacity kW	6.3	6.4	6.3	6.3	6.0	5.6
Sensible kW	4.8	4.8	4.8	4.8	4.6	4.4
SHR (%)	76	75	75	75	77	79
Compressor kW	1.8	1.9	2.0	2.1	2.3	2.4
29.0/21.0 Capacity kW	6.8	6.8	6.8	6.8	6.4	6.0
Sensible kW	4.8	4.8	4.8	4.8	4.7	4.5
SHR (%)	71	71	71	71	73	75
Compressor kW	1.8	2.0	2.1	2.2	2.3	2.5

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 6.89 KW  
 AIRFLOW = 0.28 CMS  
 AIRFLOW = 600. CFM  
 APP. DEW PT. = 12.3 DEG. C  
 COMPRESSOR POWER = 2186 WATTS  
 I.D. FAN POWER = 200 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.71  
 EER = 9.25 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB524CA WITH MCW030JN00A AT 0.36 CMS (760 CFM)

Return Air DB/WB C	Outdoor Temperatures C					
	25	29	32	35	40	45
21.0/14.5 Capacity kW	6.4	6.5	6.4	6.4	6.0	5.7
Sensible kW	5.3	5.3	5.3	5.3	5.1	5.0
SHR (%)	83	82	83	83	85	87
Compressor kW	2.0	2.2	2.3	2.4	2.5	2.7
24.0/17.0 Capacity kW	6.9	6.9	6.9	6.8	6.5	6.2
Sensible kW	5.5	5.5	5.5	5.5	5.3	5.2
SHR (%)	80	80	80	80	82	84
Compressor kW	2.1	2.2	2.3	2.5	2.6	2.7
29.0/21.0 Capacity kW	7.4	7.4	7.4	7.3	7.0	6.6
Sensible kW	5.6	5.6	5.6	5.6	5.4	5.3
SHR (%)	76	76	76	76	78	80
Compressor kW	2.1	2.3	2.4	2.5	2.6	2.8

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 7.43 KW  
 AIRFLOW = 0.36 CMS  
 AIRFLOW = 760. CFM  
 APP. DEW PT. = 13.2 DEG. C  
 COMPRESSOR POWER = 2536 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.78  
 EER = 9.50 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

### TTB524CA WITH MCW524FB0RA AT 375 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	17.9	12.6	13.3	14.0	14.6	15.3	1.76	31.2
	63	19.5	11.4	12.1	12.8	13.4	14.1	1.82	36.3
	67	21.2	10.1	10.7	11.4	12.1	12.7	1.88	45.1
	71	23.0	8.7	9.4	10.0	10.7	11.4	1.95	53.1
90	59	17.6	12.5	13.1	13.8	14.5	15.1	1.84	34.9
	63	19.2	11.2	11.9	12.6	13.2	13.9	1.90	35.8
	67	20.8	9.9	10.5	11.2	11.9	12.5	1.96	44.6
	71	22.5	8.5	9.1	9.8	10.5	11.2	2.03	52.6
95	59	17.3	12.3	12.9	13.6	14.3	15.0	1.92	37.1
	63	18.8	11.0	11.7	12.4	13.0	13.7	1.98	35.4
	67	20.4	9.7	10.3	11.0	11.7	12.3	2.04	44.0
	71	22.1	8.3	8.9	9.6	10.3	10.9	2.11	52.1
100	59	16.9	12.1	12.7	13.4	14.1	14.7	2.01	39.1
	63	18.4	10.8	11.5	12.1	12.8	13.5	2.06	34.8
	67	19.9	9.4	10.1	10.8	11.5	12.1	2.12	43.3
	71	21.5	8.0	8.7	9.4	10.0	10.7	2.18	51.5
105	59	16.5	11.9	12.5	13.2	13.9	14.5	2.09	40.8
	63	17.9	10.6	11.2	11.9	12.6	13.3	2.14	34.2
	67	19.4	9.2	9.9	10.6	11.2	11.9	2.20	42.6
	71	21.0	7.8	8.5	9.1	9.8	10.5	2.26	50.8
115	59	15.7	11.4	12.1	12.8	13.4	14.1	2.26	43.6
	63	17.1	10.2	10.8	11.5	12.2	12.8	2.31	44.8
	67	18.5	8.8	9.4	10.1	10.8	11.5	2.36	46.6
	71	19.9	7.3	8.0	8.7	9.4	10.0	2.41	49.2
120	59	15.3	11.2	11.9	12.6	13.2	13.9	2.35	44.8
	63	16.6	9.9	10.6	11.3	12.0	12.6	2.39	47.0
	67	18.0	8.6	9.2	9.9	10.6	11.2	2.44	50.4
	71	19.4	7.1	7.8	8.5	9.1	9.8	2.48	55.9

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 20400 BTUH  
 AIRFLOW = 375 CFM  
 APP. DEW PT. = 44.0 DEG. F  
 COMPRESSOR POWER = 2044 WATTS  
 I.D. FAN POWER = 45 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 9.10 BTUH/WATT  
 E.E.R. = 9.05 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB524CA WITH MCX524CB AT 675 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	21.6	17.7	19.0	20.3	21.6	22.2*	1.90	46.1
	63	23.4	15.3	16.6	17.9	19.2	20.5	1.97	50.2
	67	25.2	12.6	13.8	15.1	16.4	17.7	2.04	54.2
	71	27.1	9.7	11.0	12.3	13.6	14.9	2.11	58.3
90	59	21.5	17.7	19.0	20.2	21.5*	22.0*	2.00	46.3
	63	23.2	15.2	16.5	17.8	19.1	20.4	2.07	50.3
	67	25.0	12.5	13.8	15.0	16.3	17.6	2.14	54.4
	71	26.9	9.7	10.9	12.2	13.5	14.8	2.21	58.5
95	59	21.3	17.6	18.9	20.2	21.4*	21.9*	2.11	46.7
	63	23.0	15.1	16.4	17.7	19.0	20.3	2.17	50.5
	67	24.8	12.4	13.7	15.0	16.2	17.5	2.24	54.5
	71	26.6	9.6	10.9	12.1	13.4	14.7	2.31	58.7
100	59	20.6	17.3	18.5	19.8	20.8*	21.4*	2.19	47.3
	63	22.3	14.8	16.1	17.4	18.7	20.0	2.25	51.1
	67	24.0	12.0	13.3	14.6	15.9	17.2	2.32	55.1
	71	25.8	9.2	10.5	11.8	13.1	14.4	2.39	59.3
105	59	19.9	16.9	18.2	19.5	20.3*	20.8*	2.28	47.9
	63	21.5	14.5	15.7	17.0	18.3	19.6	2.34	51.7
	67	23.2	11.7	13.0	14.3	15.6	16.9	2.40	55.8
	71	24.9	8.9	10.2	11.5	12.8	14.0	2.46	59.9
115	59	18.6	16.3	17.6	18.7*	19.2*	19.7*	2.45	49.0
	63	20.0	13.8	15.1	16.4	17.7	19.0	2.50	52.8
	67	21.6	11.0	12.3	13.6	14.9	16.2	2.56	56.9
	71	23.1	8.2	9.5	10.8	12.1	13.4	2.61	61.2
120	59	17.9	16.0	17.3	18.1*	18.6*	19.1*	2.54	49.5
	63	19.3	13.5	14.8	16.1	17.4	18.6	2.59	53.4
	67	20.8	10.7	12.0	13.3	14.6	15.9	2.64	57.5
	71	22.3	7.9	9.2	10.5	11.8	13.1	2.69	61.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 24800 BTUH  
 AIRFLOW = 675 CFM  
 APP. DEW PT. = 54.5 DEG. F  
 COMPRESSOR POWER = 2241 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 9.51 BTUH/WATT  
 E.E.R. = 9.80 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB524CA WITH MCW524FB0RA AT 0.18 CMS (375 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	5.3	5.2	5.1	5.0	4.8	4.6
	Sensible kW	3.7	3.6	3.6	3.5	3.4	3.3
	SHR (%)	69	69	69	70	70	71
	Compressor kW	1.6	1.7	1.8	1.9	2.1	2.2
24.0/17.0	Capacity kW	5.8	5.7	5.6	5.4	5.2	5.0
	Sensible kW	3.8	3.7	3.6	3.6	3.4	3.3
	SHR (%)	65	65	65	66	66	67
	Compressor kW	1.7	1.8	1.9	2.0	2.1	2.3
29.0/21.0	Capacity kW	6.3	6.1	6.0	5.9	5.6	5.4
	Sensible kW	3.7	3.7	3.6	3.5	3.4	3.3
	SHR (%)	59	60	60	60	61	62
	Compressor kW	1.7	1.9	1.9	2.0	2.2	2.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 5.95 KW  
 AIRFLOW = 0.18 CMS  
 AIRFLOW = 375. CFM  
 APP. DEW PT. = 6.7 DEG. C  
 COMPRESSOR POWER = 2044 WATTS  
 I.D. FAN POWER = 45 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.65  
 EER = 9.05 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB524CA WITH MCX524CB AT 0.32 CMS (675 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	6.4	6.3	6.3	6.2	5.9	5.5
	Sensible kW	5.0	5.0	5.0	4.9	4.8	4.6
	SHR (%)	79	79	79	79	81	83
	Compressor kW	1.7	1.9	2.0	2.1	2.3	2.4
24.0/17.0	Capacity kW	6.8	6.8	6.8	6.7	6.3	5.9
	Sensible kW	5.2	5.2	5.1	5.1	4.9	4.8
	SHR (%)	76	76	76	76	78	81
	Compressor kW	1.8	1.9	2.1	2.2	2.3	2.5
29.0/21.0	Capacity kW	7.3	7.3	7.2	7.2	6.7	6.3
	Sensible kW	5.2	5.2	5.2	5.2	5.0	4.8
	SHR (%)	72	72	72	72	74	77
	Compressor kW	1.9	2.0	2.1	2.2	2.4	2.5

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 7.27 KW  
 AIRFLOW = 0.32 CMS  
 AIRFLOW = 675. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 2241 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.87  
 EER = 9.80 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

## English

### TTB524CA WITH MCX524EB AT 675 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	21.6	17.7	19.0	20.3	21.6	22.2*	1.90	46.1
	63	23.4	15.3	16.6	17.9	19.2	20.5	1.97	50.2
	67	25.2	12.6	13.8	15.1	16.4	17.7	2.04	54.2
	71	27.1	9.7	11.0	12.3	13.6	14.9	2.11	58.3
90	59	21.5	17.7	19.0	20.2	21.5*	22.0*	2.00	46.3
	63	23.2	15.2	16.5	17.8	19.1	20.4	2.07	50.3
	67	25.0	12.5	13.8	15.0	16.3	17.6	2.14	54.4
	71	26.9	9.7	10.9	12.2	13.5	14.8	2.21	58.5
95	59	21.3	17.6	18.9	20.2	21.4*	21.9*	2.11	46.7
	63	23.0	15.1	16.4	17.7	19.0	20.3	2.17	50.5
	67	24.8	12.4	13.7	15.0	16.2	17.5	2.24	54.5
	71	26.6	9.6	10.9	12.1	13.4	14.7	2.31	58.7
100	59	20.6	17.3	18.5	19.8	20.8*	21.4*	2.19	47.3
	63	22.3	14.8	16.1	17.4	18.7	20.0	2.25	51.1
	67	24.0	12.0	13.3	14.6	15.9	17.2	2.32	55.1
	71	25.8	9.2	10.5	11.8	13.1	14.4	2.39	59.3
105	59	19.9	16.9	18.2	19.5	20.3*	20.8*	2.28	47.9
	63	21.5	14.5	15.7	17.0	18.3	19.6	2.34	51.7
	67	23.2	11.7	13.0	14.3	15.6	16.9	2.40	55.8
	71	24.9	8.9	10.2	11.5	12.8	14.0	2.46	59.9
115	59	18.6	16.3	17.6	18.7*	19.2*	19.7*	2.45	49.0
	63	20.0	13.8	15.1	16.4	17.7	19.0	2.50	52.8
	67	21.6	11.0	12.3	13.6	14.9	16.2	2.56	56.9
	71	23.1	8.2	9.5	10.8	12.1	13.4	2.61	61.2
120	59	17.9	16.0	17.3	18.1*	18.6*	19.1*	2.54	49.5
	63	19.3	13.5	14.8	16.1	17.4	18.6	2.59	53.4
	67	20.8	10.7	12.0	13.3	14.6	15.9	2.64	57.5
	71	22.3	7.9	9.2	10.5	11.8	13.1	2.69	61.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 24800 BTUH  
 AIRFLOW = 675 CFM  
 APP. DEW PT. = 54.5 DEG. F  
 COMPRESSOR POWER = 2241 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 9.51 BTUH/WATT  
 E.E.R. = 9.80 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB524CA WITH TWE030CA4 AT 900 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	22.9	20.9	22.6	23.4*	24.0*	24.6*	1.90	48.8
	63	24.7	17.6	19.3	21.0	22.7	24.4	1.97	52.6
	67	26.6	13.9	15.6	17.3	19.0	20.7	2.04	56.8
	71	28.6	10.2	11.9	13.6	15.3	17.0	2.11	61.0
90	59	22.6	20.7	22.4	23.1*	23.8*	24.3*	2.01	49.0
	63	24.4	17.4	19.1	20.8	22.5	24.2	2.07	52.8
	67	26.2	13.8	15.5	17.2	18.9	20.6	2.14	57.0
	71	28.1	10.0	11.7	13.4	15.1	16.8	2.21	61.2
95	59	22.3	20.6	22.3*	22.9*	23.5*	24.0*	2.11	49.2
	63	24.0	17.3	19.0	20.7	22.4	24.0*	2.18	53.1
	67	25.8	13.6	15.3	17.0	18.7	20.4	2.25	57.2
	71	27.7	9.9	11.6	13.3	15.0	16.7	2.32	61.4
100	59	21.5	20.2	21.7*	22.3*	22.8*	23.4*	2.20	49.6
	63	23.2	16.9	18.6	20.3	22.0	23.4*	2.26	53.5
	67	24.9	13.2	14.9	16.6	18.4	20.1	2.33	57.7
	71	26.7	9.5	11.2	12.9	14.6	16.3	2.40	61.9
105	59	20.8	19.9	21.1*	21.6*	22.2*	22.7*	2.29	50.1
	63	22.4	16.6	18.3	20.0	21.7	22.7*	2.35	54.0
	67	24.0	12.9	14.6	16.3	18.0	19.7	2.41	58.1
	71	25.7	9.1	10.8	12.5	14.2	15.9	2.48	62.4
115	59	19.3	19.2	19.8*	20.3*	20.8*	21.3*	2.47	50.9
	63	20.7	15.9	17.6	19.3	20.8*	21.3*	2.53	54.8
	67	22.2	12.2	13.9	15.6	17.3	19.0	2.58	59.1
	71	23.8	8.4	10.1	11.8	13.5	15.2	2.64	63.3
120	59	18.6	18.7*	19.2*	19.6*	20.1*	20.6*	2.57	51.3
	63	19.9	15.5	17.2	18.9	20.1*	20.6*	2.62	55.3
	67	21.3	11.8	13.5	15.2	16.9	18.6	2.67	59.5
	71	22.8	8.1	9.8	11.5	13.2	14.9	2.72	63.8

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	775	1025	AIRFLOW	775	1025
TOTAL CAP.	X0.98	X1.01	SENS. CAP.	X0.94	X1.06
COMPR. KW	X0.99	X1.01	A.D.P.	-1.5	+1.2

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 25800 BTUH  
 AIRFLOW = 900 CFM  
 APP. DEW PT. = 57.2 DEG. F  
 COMPRESSOR POWER = 2245 WATTS  
 I.D. FAN POWER = 425 WATTS  
 O.D. FAN POWER = 165 WATTS  
 S.E.E.R. = 8.71 BTUH/WATT  
 E.E.R. = 9.10 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB524CA WITH MCX524EB AT 0.32 CMS (675 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	6.4	6.3	6.3	6.2	5.9	5.5
	Sensible kW	5.0	5.0	5.0	4.9	4.8	4.6
	SHR (%)	79	79	79	79	81	83
	Compressor kW	1.7	1.9	2.0	2.1	2.3	2.4
24.0/17.0	Capacity kW	6.8	6.8	6.8	6.7	6.3	5.9
	Sensible kW	5.2	5.2	5.1	5.1	4.9	4.8
	SHR (%)	76	76	76	76	78	81
	Compressor kW	1.8	1.9	2.1	2.2	2.3	2.5
29.0/21.0	Capacity kW	7.3	7.3	7.2	7.2	6.7	6.3
	Sensible kW	5.2	5.2	5.2	5.2	5.0	4.8
	SHR (%)	72	72	72	72	74	77
	Compressor kW	1.9	2.0	2.1	2.2	2.4	2.5

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 7.27 KW  
 AIRFLOW = 0.32 CMS  
 AIRFLOW = 675. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 2241 WATTS  
 I.D. FAN POWER = 125 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.87  
 EER = 9.80 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB524CA WITH TWE030CA4 AT 0.42 CMS (900 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	6.8	6.7	6.6	6.5	6.1	5.7
	Sensible kW	5.9	5.8	5.8	5.7	5.6	5.4
	SHR (%)	86	87	87	88	91	94
	Compressor kW	1.7	1.9	2.0	2.1	2.3	2.4
24.0/17.0	Capacity kW	7.3	7.2	7.1	7.0	6.5	6.1
	Sensible kW	6.1	6.0	6.0	5.9	5.8	5.6
	SHR (%)	83	84	85	85	88	91
	Compressor kW	1.8	1.9	2.1	2.2	2.3	2.5
29.0/21.0	Capacity kW	7.8	7.7	7.6	7.4	7.0	6.5
	Sensible kW	6.2	6.2	6.1	6.1	5.9	5.7
	SHR (%)	80	80	81	82	84	88
	Compressor kW	1.9	2.0	2.1	2.2	2.4	2.5

CORRECTION FACTORS - OTHER AIRFLOWS  
 (MULTIPLY OR ADD AS INDICATED)  
 AIRFLOW 0.368 0.486  
 TOTAL CAP. X0.98 X1.01  
 SENS. CAP. X0.94 X1.06  
 COMPR. KW X0.99 X1.01

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 7.54 KW  
 AIRFLOW = 0.42 CMS  
 AIRFLOW = 900. CFM  
 APP. DEW PT. = 14.0 DEG. C  
 COMPRESSOR POWER = 2245 WATTS  
 I.D. FAN POWER = 425 WATTS  
 O.D. FAN POWER = 165 WATTS  
 COP = 2.67  
 EER = 9.10 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB530CA WITH MCD530DB00A AT 750 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	24.8	20.4	21.8	23.2	24.6	25.3*	1.99	46.0
	63	26.8	17.7	19.1	20.5	21.9	23.3	2.06	50.5
	67	28.8	14.7	16.1	17.5	18.9	20.3	2.14	54.4
	71	31.0	11.7	13.1	14.5	15.9	17.3	2.22	58.4
90	59	24.8	20.4	21.8	23.2	24.6	25.3*	2.09	46.0
	63	26.7	17.7	19.1	20.5	21.9	23.3	2.17	50.6
	67	28.8	14.7	16.1	17.5	18.9	20.3	2.25	54.4
	71	31.0	11.6	13.0	14.4	15.8	17.3	2.33	58.4
95	59	24.7	20.4	21.8	23.2	24.6	25.3*	2.20	46.0
	63	26.7	17.7	19.1	20.5	21.9	23.3	2.28	50.6
	67	28.8	14.7	16.1	17.5	18.9	20.3	2.36	54.5
	71	30.9	11.6	13.0	14.4	15.8	17.2	2.44	58.4
100	59	24.0	20.0	21.4	22.8	24.1*	24.7*	2.29	46.9
	63	25.9	17.3	18.7	20.1	21.5	22.9	2.36	51.3
	67	27.9	14.3	15.7	17.1	18.5	19.9	2.44	55.2
	71	30.0	11.3	12.7	14.1	15.5	16.9	2.52	59.2
105	59	23.2	19.6	21.0	22.4	23.5*	24.0*	2.37	47.7
	63	25.1	16.9	18.3	19.7	21.1	22.5	2.45	52.0
	67	27.1	13.9	15.4	16.8	18.2	19.6	2.52	55.9
	71	29.1	10.9	12.3	13.7	15.1	16.5	2.60	60.0
115	59	21.7	18.9	20.3	21.7	22.3*	22.8*	2.55	49.6
	63	23.5	16.2	17.6	19.0	20.4	21.8	2.62	53.3
	67	25.3	13.2	14.6	16.0	17.4	18.8	2.69	57.3
	71	27.2	10.1	11.5	12.9	14.3	15.7	2.76	61.4
120	59	21.0	18.5	19.9	21.1*	21.6*	22.2*	2.64	50.2
	63	22.7	15.8	17.2	18.6	20.0	21.4	2.70	54.0
	67	24.4	12.8	14.2	15.6	17.0	18.4	2.77	58.0
	71	26.3	9.7	11.1	12.5	13.9	15.3	2.84	62.1

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 28800 BTUH  
 AIRFLOW = 750 CFM  
 APP. DEW PT. = 54.5 DEG. F  
 COMPRESSOR POWER = 2356 WATTS  
 I.D. FAN POWER = 230 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 9.97 BTUH/WATT  
 E.E.R. = 10.45 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB530CA WITH MCW030JN00A AT 760 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	24.3	20.0	21.4	22.9	24.3*	24.9*	2.35	46.2
	63	26.3	17.2	18.6	20.1	21.6	23.0	2.42	50.3
	67	28.4	14.1	15.6	17.0	18.5	19.9	2.50	54.3
	71	30.5	10.9	12.4	13.8	15.3	16.8	2.57	58.5
90	59	24.3	20.0	21.4	22.9	24.4*	25.0*	2.48	46.2
	63	26.3	17.2	18.7	20.1	21.6	23.0	2.55	50.3
	67	28.4	14.1	15.6	17.0	18.5	19.9	2.63	54.3
	71	30.5	10.9	12.4	13.8	15.3	16.8	2.71	58.5
95	59	24.4	20.0	21.4	22.9	24.4	25.0*	2.61	46.2
	63	26.3	17.2	18.7	20.1	21.6	23.1	2.69	50.3
	67	28.4	14.1	15.6	17.0	18.5	20.0	2.76	54.3
	71	30.5	10.9	12.4	13.9	15.3	16.8	2.85	58.5
100	59	23.8	19.7	21.2	22.6	23.9*	24.6*	2.67	46.9
	63	25.7	16.9	18.4	19.9	21.3	22.8	2.75	50.7
	67	27.7	13.8	15.3	16.8	18.2	19.7	2.82	54.8
	71	29.8	10.7	12.1	13.6	15.0	16.5	2.90	58.9
105	59	23.3	19.5	20.9	22.4	23.5*	24.1*	2.74	47.4
	63	25.1	16.7	18.1	19.6	21.1	22.5	2.81	51.1
	67	27.1	13.6	15.0	16.5	18.0	19.4	2.89	55.2
	71	29.1	10.4	11.8	13.3	14.8	16.2	2.96	59.4
115	59	22.1	18.9	20.4	21.9	22.6*	23.2*	2.87	48.2
	63	23.9	16.1	17.6	19.1	20.5	22.0	2.94	51.9
	67	25.8	13.0	14.5	16.0	17.4	18.9	3.01	56.0
	71	27.7	9.8	11.3	12.8	14.2	15.7	3.08	60.2
120	59	21.6	18.7	20.1	21.6*	22.2*	22.7*	2.94	48.5
	63	23.3	15.9	17.3	18.8	20.3	21.7	3.00	52.3
	67	25.1	12.8	14.2	15.7	17.1	18.6	3.07	56.5
	71	27.0	9.6	11.0	12.5	14.0	15.4	3.14	60.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 28400 BTUH  
 AIRFLOW = 760 CFM  
 APP. DEW PT. = 54.3 DEG. F  
 COMPRESSOR POWER = 2764 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 9.36 BTUH/WATT  
 E.E.R. = 9.50 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB530CA WITH MCD530DB00A AT 0.35 CMS (750 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	7.2	7.2	7.2	7.2	6.8	6.4
	Sensible kW	5.7	5.7	5.7	5.7	5.5	5.3
	SHR (%)	80	79	79	79	81	83
	Compressor kW	1.8	2.0	2.1	2.2	2.4	2.5
24.0/17.0	Capacity kW	7.7	7.8	7.8	7.8	7.3	6.9
	Sensible kW	5.9	5.9	5.9	5.9	5.7	5.5
	SHR (%)	77	76	76	76	78	80
	Compressor kW	1.9	2.0	2.2	2.3	2.4	2.6
29.0/21.0	Capacity kW	8.2	8.3	8.3	8.3	7.8	7.4
	Sensible kW	5.9	5.9	5.9	5.9	5.8	5.6
	SHR (%)	72	72	72	72	73	75
	Compressor kW	2.0	2.1	2.2	2.3	2.5	2.6

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 8.42 KW  
 AIRFLOW = 0.35 CMS  
 AIRFLOW = 750. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 2356 WATTS  
 I.D. FAN POWER = 230 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.06  
 EER = 10.45 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB530CA WITH MCW030JN00A AT 0.36 CMS (760 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	7.0	7.1	7.1	7.1	6.8	6.6
	Sensible kW	5.6	5.6	5.6	5.6	5.5	5.3
	SHR (%)	79	79	79	79	80	82
	Compressor kW	2.2	2.3	2.5	2.6	2.7	2.8
24.0/17.0	Capacity kW	7.5	7.6	7.7	7.7	7.3	7.0
	Sensible kW	5.8	5.8	5.8	5.8	5.7	5.5
	SHR (%)	76	76	76	76	77	79
	Compressor kW	2.2	2.4	2.5	2.7	2.8	2.9
29.0/21.0	Capacity kW	8.1	8.2	8.2	8.2	7.9	7.5
	Sensible kW	5.8	5.9	5.9	5.9	5.7	5.6
	SHR (%)	72	72	72	72	73	75
	Compressor kW	2.3	2.5	2.6	2.7	2.9	3.0

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 8.32 KW  
 AIRFLOW = 0.36 CMS  
 AIRFLOW = 760. CFM  
 APP. DEW PT. = 12.4 DEG. C  
 COMPRESSOR POWER = 2764 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 2.78  
 EER = 9.50 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB530CA WITH MCW036JN00A AT 790 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	25.7	21.0	22.5	24.1	25.6	26.3*	2.00	45.9
	63	27.8	18.1	19.6	21.1	22.7	24.2	2.07	50.1
	67	29.9	14.9	16.4	17.9	19.4	20.9	2.15	54.1
	71	32.1	11.5	13.1	14.6	16.1	17.6	2.23	58.3
90	59	25.5	20.9	22.4	24.0	25.5	26.1*	2.10	46.1
	63	27.5	18.0	19.5	21.1	22.6	24.1	2.18	50.2
	67	29.6	14.8	16.3	17.8	19.3	20.8	2.26	54.3
	71	31.8	11.4	13.0	14.5	16.0	17.5	2.34	58.5
95	59	25.4	20.8	22.4	23.9	25.4*	26.0*	2.21	46.3
	63	27.3	17.9	19.4	21.0	22.5	24.0	2.29	50.4
	67	29.4	14.7	16.2	17.7	19.2	20.7	2.37	54.5
	71	31.5	11.3	12.9	14.4	15.9	17.4	2.45	58.6
100	59	24.6	20.5	22.0	23.5	24.7*	25.4*	2.30	47.2
	63	26.5	17.5	19.1	20.6	22.1	23.6	2.38	51.0
	67	28.5	14.3	15.8	17.3	18.8	20.4	2.46	55.1
	71	30.5	10.9	12.5	14.0	15.5	17.0	2.54	59.3
105	59	23.8	20.1	21.6	23.1	24.1*	24.7*	2.39	47.7
	63	25.6	17.1	18.7	20.2	21.7	23.2	2.47	51.6
	67	27.5	13.9	15.4	16.9	18.4	20.0	2.55	55.7
	71	29.5	10.6	12.1	13.6	15.1	16.6	2.63	59.9
115	59	22.2	19.3	20.9	22.2*	22.8*	23.4*	2.58	48.8
	63	23.9	16.4	17.9	19.4	20.9	22.5	2.65	52.7
	67	25.6	13.1	14.6	16.2	17.7	19.2	2.73	56.8
	71	27.5	9.8	11.3	12.8	14.3	15.9	2.80	61.1
120	59	21.4	19.0	20.5	21.6*	22.2*	22.7*	2.68	49.4
	63	23.0	16.0	17.5	19.0	20.6	22.1	2.75	53.2
	67	24.7	12.7	14.3	15.8	17.3	18.8	2.82	57.4
	71	26.5	9.4	10.9	12.4	14.0	15.5	2.89	61.7

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 29400 BTUH  
 AIRFLOW = 790 CFM  
 APP. DEW PT. = 54.5 DEG. F  
 COMPRESSOR POWER = 2365 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 11.19 BTUH/WATT  
 E.E.R. = 11.35 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB530CA WITH MCX536CB AT 915 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	28.1	24.5	26.4	28.2*	28.9*	29.6*	2.10	48.0
	63	30.2	20.8	22.7	24.6	26.5	28.4	2.17	51.9
	67	32.3	16.7	18.6	20.5	22.4	24.3	2.25	56.1
	71	34.6	12.5	14.4	16.3	18.2	20.1	2.33	60.4
90	59	27.9	24.4	26.3	28.0*	28.7*	29.4*	2.21	48.1
	63	29.9	20.7	22.6	24.5	26.4	28.3	2.28	52.0
	67	32.1	16.6	18.5	20.4	22.3	24.2	2.36	56.2
	71	34.3	12.4	14.3	16.2	18.1	20.0	2.45	60.5
95	59	27.6	24.3	26.2	27.8*	28.5*	29.2*	2.31	48.2
	63	29.7	20.6	22.5	24.4	26.3	28.2	2.39	52.1
	67	31.8	16.5	18.4	20.3	22.2	24.1	2.47	56.3
	71	34.0	12.3	14.2	16.1	18.0	19.9	2.56	60.7
100	59	26.7	23.9	25.8	27.1*	27.8*	28.4*	2.40	48.7
	63	28.7	20.1	22.1	24.0	25.9	27.8	2.48	52.6
	67	30.8	16.0	17.9	19.8	21.8	23.7	2.56	56.8
	71	32.9	11.8	13.8	15.7	17.6	19.5	2.64	61.1
105	59	25.9	23.5	25.4	26.3*	27.0*	27.6*	2.49	49.1
	63	27.8	19.7	21.6	23.5	25.4	27.3	2.56	53.1
	67	29.7	15.6	17.5	19.4	21.3	23.2	2.64	57.3
	71	31.8	11.4	13.3	15.2	17.1	19.0	2.73	61.6
115	59	24.1	22.6	24.2*	24.9*	25.5*	26.1*	2.67	50.0
	63	25.8	18.9	20.8	22.7	24.6	26.1*	2.74	54.0
	67	27.7	14.8	16.7	18.6	20.5	22.4	2.82	58.2
	71	29.6	10.6	12.5	14.4	16.3	18.2	2.89	62.6
120	59	23.2	22.2	23.5*	24.1*	24.7*	25.3*	2.76	50.5
	63	24.9	18.5	20.4	22.3	24.2	25.3*	2.83	54.4
	67	26.7	14.4	16.3	18.2	20.1	22.0	2.90	58.7
	71	28.5	10.2	12.1	14.0	15.9	17.8	2.98	63.0

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 31800 BTUH  
 AIRFLOW = 915 CFM  
 APP. DEW PT. = 56.3 DEG. F  
 COMPRESSOR POWER = 2474 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.84 BTUH/WATT  
 E.E.R. = 11.30 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB530CA WITH MCW036JN00A AT 0.37 CMS (790 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	7.5	7.5	7.5	7.4	7.0	6.6
	Sensible kW	5.9	5.9	5.9	5.9	5.7	5.5
	SHR (%)	79	78	79	79	81	83
	Compressor kW	1.8	2.0	2.1	2.2	2.4	2.5
24.0/17.0	Capacity kW	8.1	8.1	8.0	7.9	7.5	7.0
	Sensible kW	6.1	6.1	6.1	6.0	5.8	5.6
	SHR (%)	76	76	76	76	78	80
	Compressor kW	1.9	2.1	2.2	2.3	2.4	2.6
29.0/21.0	Capacity kW	8.6	8.6	8.6	8.5	8.0	7.5
	Sensible kW	6.2	6.2	6.1	6.1	5.9	5.7
	SHR (%)	72	71	72	72	74	76
	Compressor kW	2.0	2.1	2.2	2.3	2.5	2.7

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 8.61 KW  
 AIRFLOW = 0.37 CMS  
 AIRFLOW = 790. CFM  
 APP. DEW PT. = 12.5 DEG. C  
 COMPRESSOR POWER = 2365 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.33  
 EER = 11.35 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB530CA WITH MCX536EB AT 0.43 CMS (915 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.2	8.2	8.1	8.1	7.6	7.1
	Sensible kW	6.9	6.9	6.8	6.8	6.6	6.4
	SHR (%)	83	84	84	84	86	89
	Compressor kW	1.9	2.1	2.2	2.3	2.5	2.6
24.0/17.0	Capacity kW	8.8	8.8	8.7	8.6	8.1	7.6
	Sensible kW	7.1	7.1	7.0	7.0	6.8	6.6
	SHR (%)	81	81	81	81	84	86
	Compressor kW	2.0	2.1	2.3	2.4	2.5	2.7
29.0/21.0	Capacity kW	9.4	9.3	9.3	9.2	8.6	8.1
	Sensible kW	7.2	7.2	7.2	7.1	6.9	6.7
	SHR (%)	77	77	77	78	80	83
	Compressor kW	2.1	2.2	2.3	2.5	2.6	2.8

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 9.29 KW  
 AIRFLOW = 0.43 CMS  
 AIRFLOW = 915. CFM  
 APP. DEW PT. = 13.5 DEG. C  
 COMPRESSOR POWER = 2474 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.31  
 EER = 11.30 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

## TTB530CA WITH MCX536EB AT 915 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	28.1	24.5	26.4	28.2*	28.9*	29.6*	2.10	48.0
	63	30.2	20.8	22.7	24.6	26.5	28.4	2.17	51.9
	67	32.3	16.7	18.6	20.5	22.4	24.3	2.25	56.1
	71	34.6	12.5	14.4	16.3	18.2	20.1	2.33	60.4
90	59	27.9	24.4	26.3	28.0*	28.7*	29.4*	2.21	48.1
	63	29.9	20.7	22.6	24.5	26.4	28.3	2.28	52.0
	67	32.1	16.6	18.5	20.4	22.3	24.2	2.36	56.2
	71	34.3	12.4	14.3	16.2	18.1	20.0	2.45	60.5
95	59	27.6	24.3	26.2	27.8*	28.5*	29.2*	2.31	48.2
	63	29.7	20.6	22.5	24.4	26.3	28.2	2.39	52.1
	67	31.8	16.5	18.4	20.3	22.2	24.1	2.47	56.3
	71	34.0	12.3	14.2	16.1	18.0	19.9	2.56	60.7
100	59	26.7	23.9	25.8	27.1*	27.8*	28.4*	2.40	48.7
	63	28.7	20.1	22.1	24.0	25.9	27.8	2.48	52.6
	67	30.8	16.0	17.9	19.8	21.8	23.7	2.56	56.8
	71	32.9	11.8	13.8	15.7	17.6	19.5	2.64	61.1
105	59	25.9	23.5	25.4	26.3*	27.0*	27.6*	2.49	49.1
	63	27.8	19.7	21.6	23.5	25.4	27.3	2.56	53.1
	67	29.7	15.6	17.5	19.4	21.3	23.2	2.64	57.3
	71	31.8	11.4	13.3	15.2	17.1	19.0	2.73	61.6
115	59	24.1	22.6	24.2*	24.9*	25.5*	26.1*	2.67	50.0
	63	25.8	18.9	20.8	22.7	24.6	26.1*	2.74	54.0
	67	27.7	14.8	16.7	18.6	20.5	22.4	2.82	58.2
	71	29.6	10.6	12.5	14.4	16.3	18.2	2.89	62.6
120	59	23.2	22.2	23.5*	24.1*	24.7*	25.3*	2.76	50.5
	63	24.9	18.5	20.4	22.3	24.2	25.3*	2.83	54.4
	67	26.7	14.4	16.3	18.2	20.1	22.0	2.90	58.7
	71	28.5	10.2	12.1	14.0	15.9	17.8	2.98	63.0

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 31800 BTUH  
 AIRFLOW = 915 CFM  
 APP. DEW PT. = 56.3 DEG. F  
 COMPRESSOR POWER = 2474 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.84 BTUH/WATT  
 E.E.R. = 11.30 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

## TTB530CA WITH TWE030CA4 AT 1000 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	27.4	24.2	26.1	27.6*	28.3*	29.0*	2.05	48.2
	63	29.5	20.5	22.4	24.3	26.2	28.1	2.12	52.1
	67	31.6	16.5	18.4	20.2	22.1	24.0	2.20	56.2
	71	33.9	12.3	14.2	16.1	18.0	19.8	2.28	60.4
90	59	27.1	24.1	25.9	27.3*	28.0*	28.7*	2.15	48.4
	63	29.1	20.4	22.3	24.1	26.0	27.9	2.23	52.3
	67	31.2	16.3	18.2	20.1	21.9	23.8	2.31	56.4
	71	33.4	12.1	14.0	15.9	17.8	19.7	2.39	60.7
95	59	26.7	23.9	25.8	27.0*	27.7*	28.4*	2.25	48.6
	63	28.7	20.2	22.1	24.0	25.9	27.7	2.33	52.5
	67	30.8	16.1	18.0	19.9	21.8	23.7	2.41	56.6
	71	33.0	11.9	13.8	15.7	17.6	19.5	2.49	60.9
100	59	25.8	23.5	25.4	26.3*	27.0*	27.6*	2.34	49.1
	63	27.8	19.8	21.7	23.6	25.4	27.3	2.42	53.0
	67	29.8	15.7	17.6	19.5	21.4	23.2	2.50	57.2
	71	31.9	11.5	13.4	15.3	17.2	19.1	2.58	61.4
105	59	25.0	23.1	25.0	25.6*	26.3*	26.9*	2.43	49.6
	63	26.8	19.4	21.3	23.1	25.0	26.9*	2.51	53.5
	67	28.8	15.3	17.2	19.1	20.9	22.8	2.59	57.7
	71	30.8	11.1	13.0	14.9	16.8	18.6	2.67	61.9
115	59	23.2	22.3	23.5*	24.2*	24.7*	25.3*	2.62	50.5
	63	25.0	18.6	20.4	22.3	24.2	25.3*	2.69	54.4
	67	26.7	14.5	16.3	18.2	20.1	22.0	2.77	58.7
	71	28.6	10.3	12.2	14.0	15.9	17.8	2.84	62.9
120	59	22.4	21.9	22.8*	23.4*	24.0*	24.5*	2.71	51.0
	63	24.0	18.1	20.0	21.9	23.8	24.5*	2.78	54.9
	67	25.7	14.0	15.9	17.8	19.7	21.6	2.86	59.1
	71	27.5	9.9	11.8	13.6	15.5	17.4	2.93	63.4

CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1000	1000	AIRFLOW	1000	1000
TOTAL CAP.	X1.00	X1.00	SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00	A.D.P.	0.0	+ 0.0

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 30800 BTUH  
 AIRFLOW = 1000 CFM  
 APP. DEW PT. = 56.6 DEG. F  
 COMPRESSOR POWER = 2410 WATTS  
 I.D. FAN POWER = 440 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 9.80 BTUH/WATT  
 E.E.R. = 10.20 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY - SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB530CA WITH MCX536CB AT 0.43 CMS (915 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.2	8.2	8.1	8.1	7.6	7.1
	Sensible kW	6.9	6.9	6.8	6.8	6.6	6.4
	SHR (%)	83	84	84	84	86	89
	Compressor kW	1.9	2.1	2.2	2.3	2.5	2.6
24.0/17.0	Capacity kW	8.8	8.8	8.7	8.6	8.1	7.6
	Sensible kW	7.1	7.1	7.0	7.0	6.8	6.6
	SHR (%)	81	81	81	81	84	86
	Compressor kW	2.0	2.1	2.3	2.4	2.5	2.7
29.0/21.0	Capacity kW	9.4	9.3	9.3	9.2	8.6	8.1
	Sensible kW	7.2	7.2	7.2	7.1	6.9	6.7
	SHR (%)	77	77	77	78	80	83
	Compressor kW	2.1	2.2	2.3	2.5	2.6	2.8

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 9.29 KW  
 AIRFLOW = 0.43 CMS  
 AIRFLOW = 915. CFM  
 APP. DEW PT. = 13.5 DEG. C  
 COMPRESSOR POWER = 2474 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.31  
 EER = 11.30 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB530CA WITH TWE030CA4 AT 0.47 CMS (1000 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.1	8.0	7.9	7.8	7.4	6.9
	Sensible kW	6.8	6.8	6.7	6.7	6.5	6.3
	SHR (%)	84	85	85	86	88	91
	Compressor kW	1.9	2.0	2.1	2.3	2.4	2.6
24.0/17.0	Capacity kW	8.7	8.6	8.5	8.3	7.9	7.4
	Sensible kW	7.1	7.0	7.0	6.9	6.7	6.5
	SHR (%)	81	82	82	83	85	88
	Compressor kW	2.0	2.1	2.2	2.3	2.5	2.6
29.0/21.0	Capacity kW	9.3	9.2	9.0	8.9	8.4	7.8
	Sensible kW	7.2	7.1	7.1	7.0	6.8	6.6
	SHR (%)	77	78	78	79	81	84
	Compressor kW	2.0	2.2	2.3	2.4	2.6	2.7

CORRECTION FACTORS - OTHER AIRFLOWS  
 (MULTIPLY OR ADD AS INDICATED)  
 AIRFLOW 0.472 0.472  
 TOTAL CAP. X1.00 X1.00  
 SENS. CAP. X1.00 X1.00  
 COMPR. KW X1.00 X1.00

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 9.02 KW  
 AIRFLOW = 0.47 CMS  
 AIRFLOW = 1000. CFM  
 APP. DEW PT. = 13.7 DEG. C  
 COMPRESSOR POWER = 2410 WATTS  
 I.D. FAN POWER = 440 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 2.99  
 EER = 10.20 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data

## Cooling

# English

### TTB530CA WITH TWE040CA4-B AT 1200 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	29.1	27.5	29.3*	30.1*	30.8*	31.5*	2.18	49.4
	63	31.2	22.9	25.2	27.5	29.9	31.5*	2.26	53.3
	67	33.4	17.8	20.2	22.5	24.8	27.1	2.34	57.5
	71	35.7	12.7	15.0	17.4	19.7	22.0	2.42	61.8
90	59	28.7	27.3	29.0*	29.7*	30.4*	31.1*	2.29	49.5
	63	30.8	22.7	25.0	27.3	29.7	31.1*	2.37	53.5
	67	32.9	17.6	20.0	22.3	24.6	26.9	2.45	57.7
	71	35.1	12.5	14.8	17.2	19.5	21.8	2.54	62.0
95	59	28.3	27.1	28.6*	29.4*	30.1*	30.7*	2.40	49.7
	63	30.3	22.5	24.8	27.1	29.5	30.7*	2.48	53.7
	67	32.4	17.4	19.8	22.1	24.4	26.7	2.56	57.9
	71	34.6	12.3	14.6	16.9	19.3	21.6	2.65	62.2
100	59	27.4	26.7	27.9*	28.6*	29.2*	29.9*	2.49	50.1
	63	29.3	22.1	24.4	26.7	29.0	29.9*	2.57	54.1
	67	31.3	17.0	19.3	21.7	24.0	26.3	2.65	58.3
	71	33.4	11.9	14.2	16.5	18.8	21.2	2.74	62.6
105	59	26.5	26.3	27.1*	27.8*	28.4*	29.0*	2.58	50.5
	63	28.3	21.7	24.0	26.3	28.4*	29.0*	2.66	54.5
	67	30.2	16.6	18.9	21.2	23.6	25.9	2.74	58.7
	71	32.2	11.4	13.8	16.1	18.4	20.7	2.83	63.0
115	59	24.6	24.8*	25.5*	26.1*	26.7*	27.3*	2.76	51.2
	63	26.3	20.8	23.1	25.5	26.7*	27.3*	2.84	55.2
	67	28.1	15.7	18.1	20.4	22.7	25.0	2.92	59.5
	71	29.9	10.6	12.9	15.2	17.6	19.9	3.01	63.8
120	59	23.7	24.0*	24.7*	25.2*	25.8*	26.4*	2.85	51.6
	63	25.3	20.4	22.7	25.0	25.8*	26.4*	2.93	55.6
	67	27.0	15.3	17.6	20.0	22.3	24.6	3.02	59.9
	71	28.7	10.2	12.5	14.8	17.1	19.5	3.10	64.2

#### CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1200	1200	AIRFLOW	1200	1200
TOTAL CAP.	X1.00	X1.00	SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00	A.D.P.	0.0	+ 0.0

#### VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 32400 BTUH  
 AIRFLOW = 1200 CFM  
 APP. DEW PT. = 57.9 DEG. F  
 COMPRESSOR POWER = 2562 WATTS  
 I.D. FAN POWER = 325 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.82 BTUH/WATT  
 E.E.R. = 10.60 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB536CA WITH MCD536DB00A AT 900 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	30.1	24.3	26.0	27.6	29.3	30.4*	2.38	45.1
	63	32.5	21.2	22.8	24.5	26.1	27.8	2.48	49.8
	67	35.0	17.7	19.3	21.0	22.6	24.3	2.58	53.6
	71	37.6	14.0	15.7	17.3	19.0	20.7	2.68	57.5
90	59	29.8	24.2	25.8	27.5	29.1	30.2*	2.51	45.4
	63	32.2	21.1	22.7	24.4	26.0	27.7	2.61	50.0
	67	34.7	17.5	19.2	20.8	22.5	24.1	2.71	53.8
	71	37.3	13.9	15.5	17.2	18.9	20.5	2.82	57.8
95	59	29.6	24.1	25.7	27.4	29.0	30.0*	2.64	45.6
	63	31.9	20.9	22.6	24.2	25.9	27.5	2.74	50.2
	67	34.4	17.4	19.0	20.7	22.4	24.0	2.84	54.1
	71	36.9	13.7	15.4	17.1	18.7	20.4	2.95	58.1
100	59	28.6	23.6	25.2	26.9	28.5	29.2*	2.73	46.6
	63	30.9	20.4	22.1	23.7	25.4	27.0	2.83	51.0
	67	33.2	16.9	18.5	20.2	21.8	23.5	2.93	54.9
	71	35.7	13.2	14.9	16.5	18.2	19.8	3.03	59.0
105	59	27.6	23.1	24.7	26.4	27.8*	28.4*	2.83	47.5
	63	29.8	19.9	21.6	23.2	24.9	26.5	2.92	51.8
	67	32.0	16.4	18.0	19.7	21.3	23.0	3.02	55.8
	71	34.4	12.7	14.4	16.0	17.7	19.3	3.12	59.8
115	59	25.6	22.1	23.8	25.4	26.1*	26.8*	3.03	49.5
	63	27.6	18.9	20.6	22.2	23.9	25.5	3.11	53.3
	67	29.7	15.4	17.0	18.7	20.3	22.0	3.20	57.3
	71	31.8	11.7	13.4	15.0	16.7	18.3	3.29	61.5
120	59	24.6	21.6	23.3	24.7*	25.3*	26.0*	3.13	50.2
	63	26.5	18.4	20.1	21.7	23.4	25.0	3.21	54.0
	67	28.5	14.9	16.5	18.2	19.8	21.5	3.29	58.1
	71	30.6	11.2	12.9	14.5	16.2	17.8	3.37	62.2

#### VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 34400 BTUH  
 AIRFLOW = 900 CFM  
 APP. DEW PT. = 54.1 DEG. F  
 COMPRESSOR POWER = 2840 WATTS  
 I.D. FAN POWER = 250 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.40 BTUH/WATT  
 E.E.R. = 10.55 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB530CA WITH TWE040CA4-B AT 0.57 CMS (1200 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.7	8.5	8.4	8.3	7.8	7.3
	Sensible kW	7.7	7.7	7.6	7.5	7.3	7.1
	SHR (%)	89	90	91	91	94	97
	Compressor kW	2.0	2.2	2.3	2.4	2.6	2.7
24.0/17.0	Capacity kW	9.2	9.1	9.0	8.8	8.3	7.8
	Sensible kW	8.0	7.9	7.9	7.8	7.6	7.4
	SHR (%)	87	87	88	89	92	95
	Compressor kW	2.1	2.2	2.4	2.5	2.6	2.8
29.0/21.0	Capacity kW	9.8	9.7	9.5	9.4	8.8	8.2
	Sensible kW	8.2	8.1	8.0	8.0	7.8	7.6
	SHR (%)	83	84	85	85	88	92
	Compressor kW	2.2	2.3	2.4	2.5	2.7	2.9

CORRECTION FACTORS - OTHER AIRFLOWS  
(MULTIPLY OR ADD AS INDICATED)

AIRFLOW	0.566	0.566
TOTAL CAP.	X1.00	X1.00
SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00

VALUES AT ARI RATING CONDITIONS  
GROSS CAPACITY = 9.48 KW  
AIRFLOW = 0.57 CMS  
AIRFLOW = 1200. CFM  
APP. DEW PT. = 14.4 DEG. C  
COMPRESSOR POWER = 2562 WATTS  
I.D. FAN POWER = 325 WATTS  
O.D. FAN POWER = 170 WATTS  
COP = 3.11  
EER = 10.60 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB536CA WITH MCD536DB00A AT 0.42 CMS (900 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.8	8.8	8.7	8.7	8.1	7.6
	Sensible kW	6.9	6.9	6.8	6.8	6.5	6.3
	SHR (%)	78	78	78	78	80	82
	Compressor kW	2.2	2.4	2.5	2.6	2.8	3.0
24.0/17.0	Capacity kW	9.4	9.5	9.4	9.3	8.7	8.1
	Sensible kW	7.1	7.1	7.0	7.0	6.7	6.5
	SHR (%)	75	75	75	75	77	79
	Compressor kW	2.3	2.4	2.6	2.7	2.9	3.1
29.0/21.0	Capacity kW	10.1	10.1	10.0	9.9	9.3	8.7
	Sensible kW	7.1	7.1	7.1	7.0	6.8	6.5
	SHR (%)	70	70	71	71	73	75
	Compressor kW	2.3	2.5	2.7	2.8	3.0	3.1

VALUES AT ARI RATING CONDITIONS  
GROSS CAPACITY = 10.07 KW  
AIRFLOW = 0.42 CMS  
AIRFLOW = 900. CFM  
APP. DEW PT. = 12.3 DEG. C  
COMPRESSOR POWER = 2840 WATTS  
I.D. FAN POWER = 250 WATTS  
O.D. FAN POWER = 170 WATTS  
COP = 3.09  
EER = 10.55 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
\* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

# English

## TTB536CA WITH MCW030JN00A AT 760 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	27.6	21.4	22.8	24.3	25.7	27.2	2.84	43.2
	63	30.0	18.7	20.2	21.6	23.1	24.5	2.93	47.7
	67	32.5	15.7	17.2	18.6	20.1	21.5	3.04	51.6
	71	35.0	12.6	14.1	15.5	17.0	18.4	3.14	55.5
90	59	27.5	21.3	22.8	24.2	25.7	27.1	2.97	43.4
	63	29.8	18.6	20.1	21.5	23.0	24.4	3.06	47.9
	67	32.2	15.6	17.1	18.5	20.0	21.4	3.16	51.7
	71	34.8	12.5	14.0	15.4	16.9	18.3	3.27	55.7
95	59	27.3	21.2	22.7	24.1	25.6	27.0	3.10	43.6
	63	29.6	18.5	20.0	21.4	22.9	24.3	3.19	48.0
	67	32.0	15.5	17.0	18.4	19.9	21.3	3.29	51.9
	71	34.5	12.4	13.9	15.3	16.8	18.2	3.39	55.9
100	59	26.6	20.9	22.4	23.8	25.3	26.7*	3.15	44.2
	63	28.9	18.2	19.7	21.1	22.6	24.0	3.24	48.6
	67	31.2	15.2	16.6	18.1	19.5	21.0	3.34	52.5
	71	33.6	12.1	13.5	15.0	16.4	17.9	3.43	56.5
105	59	26.0	20.6	22.0	23.5	24.9	26.2*	3.21	44.9
	63	28.1	17.9	19.3	20.8	22.2	23.7	3.29	49.1
	67	30.4	14.8	16.3	17.7	19.2	20.6	3.38	53.1
	71	32.7	11.7	13.2	14.6	16.1	17.5	3.47	57.2
115	59	24.6	20.0	21.4	22.9	24.3	25.1*	3.32	46.1
	63	26.7	17.2	18.7	20.1	21.6	23.0	3.39	50.2
	67	28.8	14.2	15.6	17.1	18.5	20.0	3.47	54.2
	71	31.0	11.0	12.5	13.9	15.4	16.8	3.55	58.3
120	59	24.0	19.6	21.1	22.5	24.0*	24.6*	3.38	47.0
	63	25.9	16.9	18.4	19.8	21.3	22.7	3.45	50.7
	67	28.0	13.8	15.3	16.7	18.2	19.6	3.51	54.7
	71	30.1	10.7	12.1	13.6	15.1	16.5	3.58	58.9

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 32000 BTUH  
 AIRFLOW = 760 CFM  
 APP. DEW PT. = 51.9 DEG. F  
 COMPRESSOR POWER = 3291 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 8.95 BTUH/WATT  
 E.E.R. = 9.10 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

## TTB536CA WITH MCW036JN00A AT 790 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	30.0	22.9	24.4	25.9	27.4	28.9	2.39	42.2
	63	32.4	20.0	21.5	23.0	24.5	26.0	2.48	46.3
	67	34.9	16.9	18.4	19.9	21.4	22.9	2.59	50.7
	71	37.5	13.6	15.1	16.6	18.1	19.6	2.69	54.7
90	59	29.8	22.8	24.3	25.8	27.3	28.8	2.51	42.4
	63	32.2	19.9	21.4	22.9	24.4	25.9	2.61	47.0
	67	34.7	16.7	18.3	19.8	21.3	22.8	2.72	50.9
	71	37.2	13.5	15.0	16.5	18.0	19.5	2.82	54.9
95	59	29.6	22.7	24.2	25.7	27.2	28.7	2.64	42.6
	63	31.9	19.8	21.3	22.8	24.3	25.8	2.74	47.2
	67	34.4	16.6	18.1	19.6	21.1	22.6	2.85	51.1
	71	36.9	13.4	14.9	16.4	17.9	19.4	2.95	55.2
100	59	28.6	22.2	23.7	25.2	26.7	28.2	2.74	43.4
	63	30.9	19.3	20.8	22.3	23.9	25.4	2.83	48.0
	67	33.3	16.2	17.7	19.2	20.7	22.2	2.93	52.0
	71	35.7	12.9	14.4	15.9	17.4	18.9	3.04	56.1
105	59	27.7	21.7	23.2	24.7	26.2	27.7*	2.83	44.3
	63	29.9	18.9	20.4	21.9	23.4	24.9	2.93	48.8
	67	32.2	15.7	17.2	18.7	20.2	21.7	3.02	52.8
	71	34.5	12.4	13.9	15.4	16.9	18.4	3.12	56.9
115	59	25.8	20.8	22.3	23.8	25.3	26.2*	3.03	46.1
	63	27.8	17.9	19.4	20.9	22.5	24.0	3.11	50.2
	67	29.9	14.7	16.2	17.7	19.2	20.7	3.20	54.3
	71	32.1	11.4	12.9	14.4	15.9	17.4	3.29	58.5
120	59	24.8	20.4	21.9	23.4	24.8*	25.5*	3.13	47.2
	63	26.8	17.5	19.0	20.5	22.0	23.5	3.21	51.0
	67	28.8	14.3	15.8	17.3	18.8	20.3	3.29	55.1
	71	30.9	11.0	12.5	14.0	15.5	17.0	3.37	59.3

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 34400 BTUH  
 AIRFLOW = 790 CFM  
 APP. DEW PT. = 51.1 DEG. F  
 COMPRESSOR POWER = 2846 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 11.18 BTUH/WATT  
 E.E.R. = 11.20 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

# Metric

**TTB536CA WITH MCW030JN00A AT 0.36 CMS (760 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.0	8.1	8.0	8.0	7.6	7.3
	Sensible kW	6.0	6.1	6.0	6.0	5.8	5.6
	SHR (%)	75	75	75	75	76	78
	Compressor kW	2.6	2.8	3.0	3.1	3.2	3.3
24.0/17.0	Capacity kW	8.6	8.7	8.6	8.6	8.2	7.8
	Sensible kW	6.2	6.2	6.2	6.2	6.0	5.8
	SHR (%)	72	72	72	72	73	75
	Compressor kW	2.7	2.9	3.0	3.2	3.3	3.4
29.0/21.0	Capacity kW	9.3	9.4	9.3	9.2	8.8	8.4
	Sensible kW	6.3	6.3	6.3	6.2	6.1	5.9
	SHR (%)	67	67	67	68	69	70
	Compressor kW	2.8	3.0	3.1	3.3	3.4	3.4

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 9.36 KW  
 AIRFLOW = 0.36 CMS  
 AIRFLOW = 760. CFM  
 APP. DEW PT. = 11.1 DEG. C  
 COMPRESSOR POWER = 3291 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 2.67  
 EER = 9.10 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

**TTB536CA WITH MCW036JN00A AT 0.37 CMS (790 CFM)**

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	8.7	8.8	8.7	8.6	8.1	7.6
	Sensible kW	6.5	6.5	6.5	6.4	6.2	5.9
	SHR (%)	74	74	74	74	76	77
	Compressor kW	2.2	2.4	2.5	2.6	2.8	3.0
24.0/17.0	Capacity kW	9.4	9.4	9.3	9.3	8.7	8.2
	Sensible kW	6.6	6.6	6.6	6.6	6.3	6.1
	SHR (%)	71	71	71	71	73	74
	Compressor kW	2.3	2.5	2.6	2.7	2.9	3.1
29.0/21.0	Capacity kW	10.0	10.1	10.0	9.9	9.3	8.7
	Sensible kW	6.7	6.7	6.6	6.6	6.4	6.1
	SHR (%)	66	66	66	67	68	70
	Compressor kW	2.4	2.5	2.7	2.8	3.0	3.1

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 10.05 KW  
 AIRFLOW = 0.37 CMS  
 AIRFLOW = 790. CFM  
 APP. DEW PT. = 10.6 DEG. C  
 COMPRESSOR POWER = 2846 WATTS  
 I.D. FAN POWER = 55 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.28  
 EER = 11.20 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

## English

**TTB536CA WITH MCX536CB AT 915 CFM**

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	32.7	26.3	28.2	30.1	31.9	33.2*	2.54	45.3
	63	35.2	22.7	24.6	26.5	28.3	30.2	2.64	49.6
	67	37.8	18.7	20.6	22.5	24.3	26.2	2.75	53.7
	71	40.5	14.6	16.5	18.4	20.2	22.1	2.86	58.0
90	59	32.4	26.2	28.0	29.9	31.8	32.9*	2.67	45.5
	63	34.8	22.5	24.4	26.3	28.2	30.0	2.77	49.8
	67	37.4	18.5	20.4	22.3	24.2	26.0	2.88	53.9
	71	40.1	14.4	16.3	18.2	20.0	21.9	2.99	58.2
95	59	32.1	26.0	27.9	29.8	31.6	32.6*	2.80	45.8
	63	34.5	22.4	24.3	26.1	28.0	29.9	2.90	50.0
	67	37.0	18.4	20.2	22.1	24.0	25.9	3.01	54.1
	71	39.6	14.2	16.1	18.0	19.9	21.7	3.12	58.4
100	59	31.1	25.5	27.4	29.3	31.1*	31.9*	2.89	46.7
	63	33.4	21.9	23.8	25.6	27.5	29.4	2.99	50.5
	67	35.8	17.9	19.7	21.6	23.5	25.4	3.09	54.7
	71	38.3	13.7	15.6	17.5	19.4	21.2	3.19	59.0
105	59	30.1	25.1	26.9	28.8	30.3*	31.1*	2.98	47.2
	63	32.3	21.4	23.3	25.2	27.0	28.9	3.07	51.1
	67	34.7	17.4	19.3	21.1	23.0	24.9	3.17	55.3
	71	37.1	13.3	15.1	17.0	18.9	20.8	3.27	59.6
115	59	28.1	24.1	26.0	27.9	28.7*	29.4*	3.16	48.3
	63	30.2	20.5	22.3	24.2	26.1	28.0	3.24	52.2
	67	32.3	16.4	18.3	20.2	22.0	23.9	3.33	56.4
	71	34.5	12.3	14.2	16.0	17.9	19.8	3.41	60.7
120	59	27.1	23.7	25.5	27.2*	27.9*	28.5*	3.25	48.8
	63	29.1	20.0	21.9	23.7	25.6	27.5	3.33	52.7
	67	31.1	15.9	17.8	19.7	21.6	23.4	3.41	57.0
	71	33.3	11.8	13.7	15.6	17.4	19.3	3.49	61.3

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 37000 BTUH  
 AIRFLOW = 915 CFM  
 APP. DEW PT. = 54.1 DEG. F  
 COMPRESSOR POWER = 3008 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.74 BTUH/WATT  
 E.E.R. = 11.05 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

**TTB536CA WITH MCX536EB AT 915 CFM**

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	32.7	26.3	28.2	30.1	31.9	33.2*	2.54	45.3
	63	35.2	22.7	24.6	26.5	28.3	30.2	2.64	49.6
	67	37.8	18.7	20.6	22.5	24.3	26.2	2.75	53.7
	71	40.5	14.6	16.5	18.4	20.2	22.1	2.86	58.0
90	59	32.4	26.2	28.0	29.9	31.8	32.9*	2.67	45.5
	63	34.8	22.5	24.4	26.3	28.2	30.0	2.77	49.8
	67	37.4	18.5	20.4	22.3	24.2	26.0	2.88	53.9
	71	40.1	14.4	16.3	18.2	20.0	21.9	2.99	58.2
95	59	32.1	26.0	27.9	29.8	31.6	32.6*	2.80	45.8
	63	34.5	22.4	24.3	26.1	28.0	29.9	2.90	50.0
	67	37.0	18.4	20.2	22.1	24.0	25.9	3.01	54.1
	71	39.6	14.2	16.1	18.0	19.9	21.7	3.12	58.4
100	59	31.1	25.5	27.4	29.3	31.1*	31.9*	2.89	46.7
	63	33.4	21.9	23.8	25.6	27.5	29.4	2.99	50.5
	67	35.8	17.9	19.7	21.6	23.5	25.4	3.09	54.7
	71	38.3	13.7	15.6	17.5	19.4	21.2	3.19	59.0
105	59	30.1	25.1	26.9	28.8	30.3*	31.1*	2.98	47.2
	63	32.3	21.4	23.3	25.2	27.0	28.9	3.07	51.1
	67	34.7	17.4	19.3	21.1	23.0	24.9	3.17	55.3
	71	37.1	13.3	15.1	17.0	18.9	20.8	3.27	59.6
115	59	28.1	24.1	26.0	27.9	28.7*	29.4*	3.16	48.3
	63	30.2	20.5	22.3	24.2	26.1	28.0	3.24	52.2
	67	32.3	16.4	18.3	20.2	22.0	23.9	3.33	56.4
	71	34.5	12.3	14.2	16.0	17.9	19.8	3.41	60.7
120	59	27.1	23.7	25.5	27.2*	27.9*	28.5*	3.25	48.8
	63	29.1	20.0	21.9	23.7	25.6	27.5	3.33	52.7
	67	31.1	15.9	17.8	19.7	21.6	23.4	3.41	57.0
	71	33.3	11.8	13.7	15.6	17.4	19.3	3.49	61.3

VALUES AT 95/80/67 RATING CONDITIONS  
 GROSS CAPACITY = 37000 BTUH  
 AIRFLOW = 915 CFM  
 APP. DEW PT. = 54.1 DEG. F  
 COMPRESSOR POWER = 3008 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.74 BTUH/WATT E.E.R. = 11.05 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

## Metric

### TTB536CA WITH MCX536CB AT 0.43 CMS (915 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	9.6	9.6	9.5	9.4	8.8	8.3
	Sensible kW	7.4	7.4	7.4	7.3	7.1	6.8
	SHR (%)	78	78	78	78	80	82
	Compressor kW	2.3	2.5	2.7	2.8	3.0	3.1
24.0/17.0	Capacity kW	10.3	10.2	10.1	10.0	9.4	8.9
	Sensible kW	7.6	7.6	7.6	7.5	7.3	7.0
	SHR (%)	74	75	75	75	77	79
	Compressor kW	2.4	2.6	2.8	2.9	3.0	3.2
29.0/21.0	Capacity kW	11.0	10.9	10.8	10.7	10.1	9.5
	Sensible kW	7.7	7.7	7.7	7.6	7.4	7.1
	SHR (%)	70	71	71	71	73	75
	Compressor kW	2.5	2.7	2.8	3.0	3.1	3.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 10.82 KW  
 AIRFLOW = 0.43 CMS  
 AIRFLOW = 915. CFM  
 APP. DEW PT. = 12.3 DEG. C  
 COMPRESSOR POWER = 3008 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.24  
 EER = 11.05 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

### TTB536CA WITH MCX536EB AT 0.43 CMS (915 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	9.6	9.6	9.5	9.4	8.8	8.3
	Sensible kW	7.4	7.4	7.4	7.3	7.1	6.8
	SHR (%)	78	78	78	78	80	82
	Compressor kW	2.3	2.5	2.7	2.8	3.0	3.1
24.0/17.0	Capacity kW	10.3	10.2	10.1	10.0	9.4	8.9
	Sensible kW	7.6	7.6	7.6	7.5	7.3	7.0
	SHR (%)	74	75	75	75	77	79
	Compressor kW	2.4	2.6	2.8	2.9	3.0	3.2
29.0/21.0	Capacity kW	11.0	10.9	10.8	10.7	10.1	9.5
	Sensible kW	7.7	7.7	7.7	7.6	7.4	7.1
	SHR (%)	70	71	71	71	73	75
	Compressor kW	2.5	2.7	2.8	3.0	3.1	3.3

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 10.82 KW  
 AIRFLOW = 0.43 CMS  
 AIRFLOW = 915. CFM  
 APP. DEW PT. = 12.3 DEG. C  
 COMPRESSOR POWER = 3008 WATTS  
 I.D. FAN POWER = 170 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.24  
 EER = 11.05 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



# Performance Data Cooling

## English

### TTB536CA WITH TWE030CA4 AT 1000 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	32.4	26.6	28.4	30.3	32.2	33.1*	2.54	45.8
	63	34.9	23.0	24.8	26.7	28.6	30.5	2.64	50.1
	67	37.6	18.9	20.8	22.7	24.6	26.5	2.75	54.1
	71	40.3	14.8	16.7	18.5	20.4	22.3	2.85	58.2
90	59	31.8	26.3	28.2	30.1	31.9*	32.6*	2.67	46.2
	63	34.3	22.7	24.6	26.5	28.3	30.2	2.77	50.5
	67	37.0	18.7	20.6	22.4	24.3	26.2	2.88	54.5
	71	39.7	14.5	16.4	18.3	20.2	22.1	2.99	58.6
95	59	31.3	26.0	27.9	29.8	31.4*	32.2*	2.80	46.6
	63	33.8	22.4	24.3	26.2	28.1	30.0	2.90	50.8
	67	36.4	18.4	20.3	22.2	24.1	26.0	3.01	54.8
	71	39.1	14.3	16.2	18.1	20.0	21.8	3.12	58.9
100	59	30.1	25.5	27.4	29.2	30.5*	31.3*	2.90	47.8
	63	32.6	21.9	23.8	25.7	27.5	29.4	3.00	51.5
	67	35.1	17.9	19.8	21.7	23.5	25.4	3.11	55.5
	71	37.8	13.8	15.7	17.6	19.4	21.3	3.22	59.6
105	59	29.0	24.9	26.8	28.7	29.6*	30.4*	3.01	48.4
	63	31.4	21.4	23.2	25.1	27.0	28.9	3.10	52.2
	67	33.9	17.4	19.2	21.1	23.0	24.9	3.21	56.2
	71	36.5	13.3	15.2	17.0	18.9	20.8	3.31	60.3
115	59	26.7	23.9	25.7	27.1*	27.9*	28.6*	3.22	49.8
	63	29.0	20.3	22.2	24.1	25.9	27.8	3.31	53.5
	67	31.4	16.3	18.2	20.1	22.0	23.8	3.40	57.5
	71	33.8	12.2	14.1	16.0	17.9	19.8	3.50	61.6
120	59	25.6	23.3	25.2	26.2*	26.9*	27.6*	3.33	50.4
	63	27.8	19.8	21.6	23.5	25.4	27.3	3.41	54.1
	67	30.1	15.8	17.7	19.6	21.4	23.3	3.50	58.2
	71	32.5	11.7	13.6	15.5	17.4	19.2	3.59	62.3

#### CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1000	1000	AIRFLOW	1000	1000
TOTAL CAP.	X1.00	X1.00	SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00	A.D.P.	0.0	+0.0

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 36400 BTUH  
 AIRFLOW = 1000 CFM  
 APP. DEW PT. = 54.8 DEG. F  
 COMPRESSOR POWER = 3012 WATTS  
 I.D. FAN POWER = 440 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.00 BTUH/WATT  
 E.E.R. = 10.05 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

### TTB536CA WITH TWE040CA4-B AT 1200 CFM

O.D. D.B.	I.D. W.B.	TOTAL CAP.	SENS. CAP. AT ENTERING D.B. TEMP.					COMPR. KW	APP. DEW PT.
			72	74	76	78	80		
85	59	35.2	30.5	32.8	35.2	36.0*	36.9*	2.61	47.7
	63	37.8	25.9	28.3	30.6	32.9	35.3	2.72	51.6
	67	40.5	20.9	23.2	25.5	27.9	30.2	2.83	55.8
	71	43.3	15.7	18.0	20.4	22.7	25.0	2.94	60.0
90	59	34.6	30.2	32.5	34.7*	35.5*	36.4*	2.75	48.0
	63	37.1	25.6	27.9	30.3	32.6	35.0	2.85	51.9
	67	39.8	20.5	22.9	25.2	27.6	29.9	2.96	56.1
	71	42.5	15.4	17.7	20.0	22.4	24.7	3.08	60.3
95	59	33.9	29.9	32.2	34.1*	35.0*	35.8*	2.88	48.3
	63	36.4	25.3	27.6	30.0	32.3	34.6	2.99	52.2
	67	39.0	20.2	22.6	24.9	27.2	29.6	3.10	56.4
	71	41.7	15.0	17.4	19.7	22.1	24.4	3.21	60.7
100	59	32.7	29.3	31.7	33.2*	34.0*	34.8*	2.98	48.8
	63	35.1	24.7	27.1	29.4	31.7	34.1	3.09	52.7
	67	37.6	19.7	22.0	24.3	26.7	29.0	3.20	56.9
	71	40.2	14.5	16.8	19.2	21.5	23.8	3.31	61.2
105	59	31.5	28.8	31.1	32.2*	33.0*	33.7*	3.08	49.3
	63	33.8	24.2	26.5	28.8	31.2	33.5	3.18	53.3
	67	36.2	19.1	21.4	23.8	26.1	28.4	3.29	57.5
	71	38.7	13.9	16.2	18.6	20.9	23.3	3.40	61.8
115	59	29.1	27.6	29.4*	30.2*	30.9*	31.6*	3.29	50.4
	63	31.2	23.0	25.4	27.7	30.0	31.6*	3.38	54.3
	67	33.4	18.0	20.3	22.6	25.0	27.3	3.48	58.5
	71	35.7	12.8	15.1	17.5	19.8	22.1	3.59	62.8
120	59	27.9	27.1	28.4*	29.1*	29.8*	30.5*	3.39	50.9
	63	29.9	22.5	24.8	27.2	29.5	30.5*	3.49	54.8
	67	32.1	17.4	19.7	22.1	24.4	26.8	3.58	59.1
	71	34.2	12.2	14.6	16.9	19.2	21.6	3.68	63.4

#### CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	1200	1200	AIRFLOW	1200	1200
TOTAL CAP.	X1.00	X1.00	SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00	A.D.P.	0.0	+0.0

VALUES AT 95/80/67 RATING CONDITIONS

GROSS CAPACITY = 39000 BTUH  
 AIRFLOW = 1200 CFM  
 APP. DEW PT. = 56.4 DEG. F  
 COMPRESSOR POWER = 3099 WATTS  
 I.D. FAN POWER = 325 WATTS  
 O.D. FAN POWER = 170 WATTS  
 S.E.E.R. = 10.95 BTUH/WATT  
 E.E.R. = 10.85 BTUH/WATT

NOTE: RATED WITH 25 FEET OF 3/4 SUCTION AND 5/16 LIQUID LINE

TOTAL AND SENSIBLE CAPACITY  
 GROSS CAPACITY IN BTUH/1000  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES F



# Performance Data Cooling

# Metric

## TTB536CA WITH TWE030CA4 AT 0.47 CMS (1000 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	9.7	9.5	9.3	9.2	8.6	8.0
	Sensible kW	7.6	7.5	7.4	7.3	7.0	6.7
	SHR (%)	78	79	79	80	82	85
	Compressor kW	2.3	2.5	2.7	2.8	3.0	3.2
24.0/17.0	Capacity kW	10.3	10.2	10.0	9.8	9.2	8.6
	Sensible kW	7.8	7.7	7.6	7.6	7.3	7.0
	SHR (%)	75	76	76	77	79	82
	Compressor kW	2.4	2.6	2.8	2.9	3.1	3.3
29.0/21.0	Capacity kW	11.0	10.9	10.7	10.5	9.8	9.2
	Sensible kW	7.8	7.8	7.7	7.6	7.4	7.1
	SHR (%)	71	72	72	73	75	77
	Compressor kW	2.5	2.7	2.8	3.0	3.2	3.3

### CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	0.472	0.472
TOTAL CAP.	X1.00	X1.00
SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 10.65 KW  
 AIRFLOW = 0.47 CMS  
 AIRFLOW = 1000. CFM  
 APP. DEW PT. = 12.7 DEG. C  
 COMPRESSOR POWER = 3012 WATTS  
 I.D. FAN POWER = 440 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 2.95  
 EER = 10.05 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

## TTB536CA WITH TWE040CA4-B AT 0.57 CMS (1200 CFM)

Return Air DB/WB C	Outdoor Temperatures C						
	25	29	32	35	40	45	
21.0/14.5	Capacity kW	10.5	10.3	10.1	9.9	9.3	8.7
	Sensible kW	8.7	8.6	8.5	8.4	8.1	7.8
	SHR (%)	82	83	84	84	87	90
	Compressor kW	2.4	2.6	2.7	2.9	3.1	3.2
24.0/17.0	Capacity kW	11.2	11.0	10.8	10.6	9.9	9.2
	Sensible kW	8.9	8.8	8.7	8.6	8.3	8.0
	SHR (%)	79	80	81	82	84	87
	Compressor kW	2.5	2.7	2.8	3.0	3.2	3.3
29.0/21.0	Capacity kW	11.9	11.7	11.5	11.3	10.5	9.8
	Sensible kW	9.0	8.9	8.9	8.8	8.5	8.2
	SHR (%)	76	76	77	78	81	84
	Compressor kW	2.6	2.8	2.9	3.1	3.3	3.4

### CORRECTION FACTORS - OTHER AIRFLOWS (MULTIPLY OR ADD AS INDICATED)

AIRFLOW	0.566	0.566
TOTAL CAP.	X1.00	X1.00
SENS. CAP.	X1.00	X1.00
COMPR. KW	X1.00	X1.00

VALUES AT ARI RATING CONDITIONS  
 GROSS CAPACITY = 11.41 KW  
 AIRFLOW = 0.57 CMS  
 AIRFLOW = 1200. CFM  
 APP. DEW PT. = 13.5 DEG. C  
 COMPRESSOR POWER = 3099 WATTS  
 I.D. FAN POWER = 325 WATTS  
 O.D. FAN POWER = 170 WATTS  
 COP = 3.18  
 EER = 10.85 BTU/WATT

NOTE: RATED WITH 7.62 METERS OF 3/4 IN. SUCTION AND 5/16 IN. LIQUID LINES

TOTAL AND SENSIBLE CAPACITY  
 CAPACITIES ARE GROSS IN KILOWATTS — INDOOR FAN HEAT IGNORED  
 \* DRY COIL CONDITION (TOTAL CAPACITY = SENSIBLE CAPACITY)  
 TOTAL CAPACITY, COMP. KW AND APP. DEW PT. ARE VALID ONLY FOR WET COIL  
 ALL TEMPERATURES IN DEGREES C



## Notes



# Notes

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