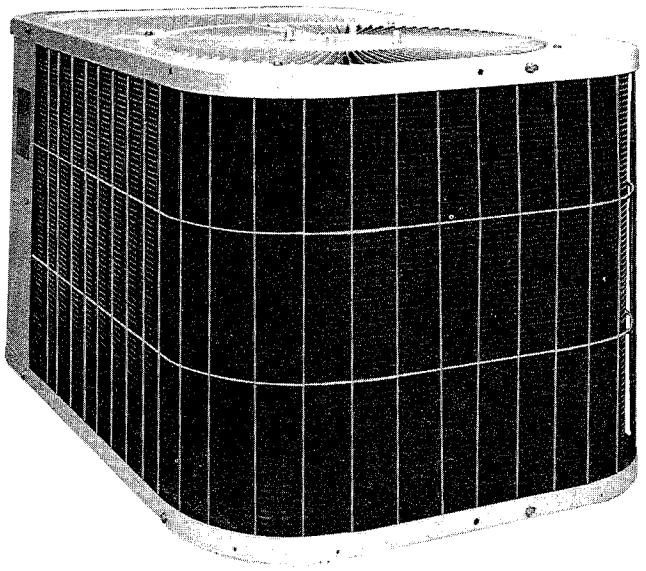
Bryant
Air Conditioning

Indianapolis, IN
City of Industry, CA

SPLIT-SYSTEM HEAT PUMP UNITS

MODEL 544B
Sizes 018 thru 060



The 544B Outdoor Sections of split-system heat pumps are designed for quiet, reliable heating during the winter and cooling during the summer. These heat pump systems provide economy of operation through energy conservation. They recover heat for indoor comfort from outdoor air during the heating season and, by automatically reversing the refrigerant system, remove indoor heat and excess humidity during the cooling season. All models are ARI certified.

FEATURES

COMPRESSOR—Designed specifically for heat pump duty, with high energy efficiency during heating and cooling operation. Each compressor is hermetically sealed against contamination to assure long life and dependable performance, internally sprung and externally mounted on rubber isolators for quiet operation. Continuous compressor operation is approved down to – 40°F in the heating mode, and down to 55°F in the cooling mode. (See heating and cooling performance tables.) All models include a discharge-tube muffler to prevent sound transmission of the compressor pulsations to the indoors or outdoors.

BUILT-IN RELIABILITY COMPONENTS—Includes a suction-tube accumulator that keeps liquid refrigerant from reaching the compressor; a low-pressure switch that stops the compressor if refrigerant charge is lost; a crankcase heater to keep the compressor oil warm and free of refrigerant for maximum lubricity; a compressor relief valve for high-pressure protection; and compressor quick-start components to assure reliable operation of the units during brownout conditions and low outdoor temperatures.

PRINTED-CIRCUIT BOARD—The board incorporates a defrost control which contains the defrost relay, defrost timer, and low-voltage terminal board. The defrost control is a time/temperature initiation/termination control which includes three field-selectable time periods of 30, 50, and 90 minutes.

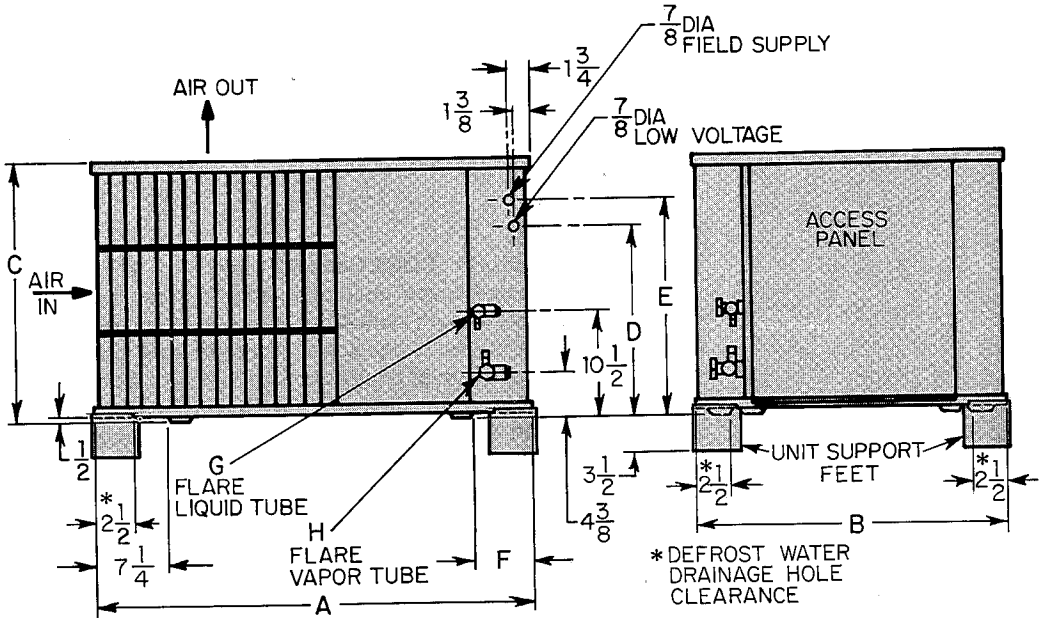
The printed-circuit board also has a speedup feature that converts the defrost cycle time from minutes to seconds to aid in troubleshooting.

WEATHER-PROTECTIVE CABINET—The low-profile design of the 544B units, with the pleasing malibu beige and jade exterior, blends in well with plants and shrubbery. Galvanized steel, coated with a layer of zinc phosphate to which a coat of alkyd melamine enamel is applied and baked on, is used throughout. This provides a hard, smooth finish that lasts for many years. All screws in the cabinet exterior are stainless steel for a durable, rust-resistant, quality appearance.

TIME/TEMPERATURE DEFROST—The defrost cycle is initiated by a time/temperature control to clear the coil of frost and ice. The cycle is started only if the defrost thermostat senses ice buildup on the outdoor coil. After a few minutes, the control automatically returns the unit to the heating cycle.

UNIT DESIGN—All units are equipped with totally enclosed fan motors for greater reliability under rain and snow conditions. The large, wraparound coil is designed for optimum heat transfer during heating and cooling. The vertical air discharge carries the sound and air up and away from adjacent patio areas and foliage. Sufficient space is provided between rows of composite coils so they can be cleaned with a common garden hose. A divider panel is installed between the compressor and coil section so that the unit can be checked and serviced while operating.

EXTERNAL SERVICE VALVES—Both brass refrigerant service valves are externally located so that refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures. The valves are designed for refrigerant tube flare connections.



Clearance Requirements (In Inches)

Bottom of unit to ground or normal snow level 6
Inlet air (both sides and coil end) 12
Discharge air (top) 48
Service clearance (compressor end) 30

NOTE: Unit can be installed with 6 in. clearance on LH side (facing control end of unit) when 24-in. clearance is maintained from RH side and coil end.

A77131

DIMENSIONS (In Inches)

Size	A	B	C	D	E	F	G	H
018 & 024	42	30	25-5/16	18-3/16	20-1/4	5-3/4	3/8	3/4
030 & 036	42	30	31-5/16	24-3/16	26-1/4	5-3/4	3/8	3/4
042, 048 & 060	42	30	41-5/16	34-3/16	36-1/4	6	3/8	3/4

CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI.

SPECIFICATIONS-544B

SIZE	018	024	030	036	036	036
SERIES	A	A	A	A	A	A
ELECTRICAL						
Unit Volts—Hertz—Phase	208-230—60—1	208-230—60—1	208-230—60—1	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range	197—253	197—253	197—253	197—253	187—253	414-506
Unit Ampacity for Wire Sizing	13.5	15.5	20.3	23.0	15.5	6.9
Min Wire Size (60 Copper) (AWG)*	14	12	10	10	12	14
Max Branch Circuit Fuse Size (Amps)	20	25	30	40	25	10
Total Unit Amps	11.0	12.6	16.4	18.6	12.6	5.6
Compressor Rated Load Amps	10.0	11.6	15.4	17.6	11.6	5.1
Locked Rotor Amps	49.0	54.0	69.0	88.0	65.1	32.8
Fan Motor, HP & Type	1/10 & PSC					
Full Load Amps	1.0	1.0	1.0	1.0	1.0	0.5
COMPRESSOR AND REFRIGERANT						
Compressor	Hermetic					
Refrigerant Charge	7 lbs—14 oz	7 lbs—10 oz	9 lbs—0 oz	11 lbs—8 oz		
OUTDOOR COIL & FAN						
Coil Face Area (Sq Ft)	11.5	11.5	14.3	17.2	17.2	17.2
Rows & Fins Per Inch	2 & 20	2 & 20	2 & 20	2 & 20	2 & 20	2 & 20
Fan Diameter & No. of Blades	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3
Rated Airflow (Cfm)	2300	2300	2300	2300	2300	2300
OPTIONAL EQUIPMENT						
Room Thermostat w/Auto Changeover	P271-3456					
Room Thermostat w/Manual Changeover	P271-3457					
Room Thermostat—Night Set-Back	P271-3471					
Unit Mounting Base	301392-702					
High-Pressure Switch	309914-701					
Indoor Fan Time Delay Relay	309919-701					
Thermal Expansion Valve Kit	Standard					
Quick-Start Capacitor-Relay Kit	309917-701					
2-Way Flow Filter-Drier—Liquid Tube	301399-701					
Filter-Drier—Vapor Tube	P501-8031					
Outdoor Thermostat and Mtg Bracket	310527-701					
COMPROTEC	309915-701					
Defrost Solenoid Kit	311765-751					
Swivel Ells—Liquid/Vapor Tubes	P651-1066/P651-1068					

SIZE	042	042	042	048	048	048	060	060	060
SERIES	A	A	A	A	A	A	A	A	A
ELECTRICAL									
Unit Volts—Hertz—Phase	208-230—60—1	208/230—60—3	460—60—3	208-230—60—1	208/230—60—3	460—60—3	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range	197—253	187—253	414—506	197—253	187—253	414—506	197—253	187—253	414-506
Unit Ampacity for Wire Sizing	27.5	17.6	8.3	30.8	19.5	9.3	38.8	25.7	13.7
Min Wire Size (60 Copper) (AWG)*	10	12	14	8	14	14	8	10	12
Max Branch Circuit Fuse Size (Amps)	45	30	10	50	30	15	60	40	20
Total Unit Amps	22.2	14.3	6.7	24.8	15.8	7.5	31.5	21.0	11.2
Compressor Rated Load Amps	21.2	13.3	6.2	23.8	14.8	7.0	29.2	18.7	10.0
Locked Rotor Amps	108.0	74.0	37.0	116.0	92.0	46.0	135.0	105.0	55.0
Fan Motor, HP & Type	1/10 & PSC						1/3 & PSC		
Full Load Amps	1.0	1.0	0.5	1.0	1.0	0.5	2.3	2.3	1.2
COMPRESSOR AND REFRIGERANT									
Compressor	Hermetic								
Refrigerant Charge	14 lbs—5 oz			13 lbs—0 oz			15 lbs—8 oz		
OUTDOOR COIL & FAN									
Coil Face Area (Sq Ft)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
Rows & Fins Per Inch	2 & 22	2 & 22	2 & 22	2 & 22	2 & 22	2 & 22	2 & 22	2 & 22	2 & 22
Fan Diameter & No. of Blades	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3	22 & 3
Rated Airflow (Cfm)	2300	2300	2300	2300	2300	2300	3500	3500	3500
OPTIONAL EQUIPMENT									
Room Thermostat w/Auto Changeover	P271-3456								
Room Thermostat w/Manual Changeover	P271-3457								
Room Thermostat—Night Set-Back	P271-3471								
Unit Mounting Base	301392-702								
High-Pressure Switch	309914-701								
Indoor Fan Time Delay Relay	309919-701			309919-701			Standard		
Thermal Expansion Valve Kit	Standard						308791-751		
Quick-Start Capacitor-Relay Kit	309917-701								
2-Way Flow Filter-Drier—Liquid Tube	301399-701								
Filter-Drier—Vapor Tube	P501-8032								
Outdoor Thermostat and Mtg Bracket	310527-701								
COMPROTEC	309915-701								
Defrost Solenoid Kit	311765-751								
Swivel Ells—Liquid/Vapor Tubes	P651-1066/P651-1068								

*If other than 60°C copper wire is used, size can be determined from unit ampacity given in above table and applicable table of National Electric Code. Wire size selected must have current capacity not less than that of copper wire specified and must not create a voltage drop between service panel and unit in excess of 2% of unit rated voltage.

†The factory refrigerant charge is sufficient for systems requiring up to 30-feet of interconnecting tubing. For tubing lengths other than 30-feet, see Installation Instructions for additional refrigerant requirements.

‡Single-phase units may use fuses or HACR-type circuit breakers (U.S. only) of same size as noted.

SPECIFICATIONS

MODEL	544B018									
SERIES DATA	A									
PERFORMANCE DATA										
ARI Noise Rating Number*	7.6									
508A	024	—	—	—	—	—	—	—	—	—
510B	—	024	—	—	—	—	—	—	—	—
513C	—	—	018	024	—	—	—	—	—	—
516A	—	—	—	—	018	024	—	—	—	—
517E	—	—	—	—	—	—	018	024	—	—
519D/509A	—	—	—	—	—	—	—	—	018	024
Rated Cooling Capacity – 47°F	18700	18900	18000	18500	18700	18900	18600	19000	18200	18700
HSPF	6.85	6.95	6.70	6.90	6.85	6.85	6.65	6.85	6.65	6.90
Rated Cooling Capacity Btuh†	17700	17300	17000	17600	17600	17800	16700	17200	17000	17700
SEER	9.50	9.35	9.35	9.45	9.30	9.50	9.00	9.15	9.25	9.50
SEER w/TDR	10.00	9.85	9.90	9.95	9.80	10.00	9.45	9.65	9.75	10.00

MODEL	544B024										
SERIES DATA	A										
PERFORMANCE DATA											
ARI Noise Rating Number*	7.6										
506B	030	036	—	—	—	—	—	—	—	—	—
513C	—	—	024	030	—	—	—	—	—	—	—
517E	—	—	—	—	024	030	036	—	—	—	—
509A/519D	—	—	—	—	—	—	—	024	030	030X	—
508A	—	—	—	—	—	—	—	—	—	—	024
Rated Cooling Capacity – 47°F	25000	25600	24800	25400	25400	25400	25400	25000	25200	25200	25200
HSPF	6.70	6.95	6.60	6.75	6.70	6.70	6.75	6.80	6.85	6.85	6.60
Rated Cooling Capacity Btuh†	22400	22800	22000	22800	21400	22800	23000	22800	23000	23000	22800
SEER	9.60	9.60	9.30	9.50	9.00	9.50	9.50	9.50	9.65	9.65	9.50
SEER w/TDR	10.00	10.30	9.70	9.90	9.40	9.90	9.90	9.90	10.10	10.10	9.90

MODEL	544B030															
SERIES DATA	A															
PERFORMANCE DATA																
ARI Noise Rating Number*	7.6															
506B	030	036	042	—	—	—	—	—	—	—	—	—	—	—	—	—
519D	—	—	—	030	036X	—	—	—	—	—	—	—	—	—	—	—
510B	—	—	—	—	—	030	036	—	—	—	—	—	—	—	—	—
508A	—	—	—	—	—	—	—	036	—	—	—	—	—	—	—	—
513C	—	—	—	—	—	—	—	—	030	—	—	—	—	—	—	—
517E	—	—	—	—	—	—	—	—	—	030	036	042	—	—	—	—
519C	—	—	—	—	—	—	—	—	—	—	—	—	042	—	—	—
519C with 520B042	—	—	—	—	—	—	—	—	—	—	—	—	—	042	—	—
509A or 519D	—	—	—	—	—	—	—	—	—	—	—	—	—	—	030X	036
Rated Cooling Capacity – 47°F†	30,600	31,800	31,800	31,200	31,400	31,200	31,600	30,600	31,600	31,200	31,600	32,200	31,800	31,800	31,200	31,400
HSPF	6.90	7.15	7.15	7.00	7.10	6.90	7.05	7.15	6.95	6.85	7.05	7.20	7.20	7.20	7.00	7.10
Rated Cooling Capacity Btuh†	27,600	28,600	28,600	28,000	28,400	27,800	28,600	28,400	28,200	27,600	28,600	29,200	29,400	29,400	28,000	28,400
SEER	9.10	9.25	9.25	9.30	9.40	9.20	9.35	9.30	9.00	9.00	9.20	9.35	9.35	9.25	9.30	9.40
SEER w/TDR	9.50	9.70	9.60	9.70	9.80	9.60	9.75	9.50	9.40	9.25	9.60	9.80	9.75	9.70	9.70	9.80

MODEL	544B036																		
SERIES DATA	A																		
PERFORMANCE DATA																			
ARI Noise Rating Number*	7.6																		
506B	036	042	048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
508A	—	—	—	036	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
510B	—	—	—	—	036	048	—	—	—	—	—	—	—	—	—	—	—	—	—
517E	—	—	—	—	—	—	036	042	043	048	—	—	—	—	—	—	—	—	—
519C	—	—	—	—	—	—	—	—	—	—	042	—	—	—	—	—	—	—	—
519C + 520B042	—	—	—	—	—	—	—	—	—	—	—	042	—	—	—	—	—	—	—
519D/509A	—	—	—	—	—	—	—	—	—	—	—	—	036	042	042X	042C	043	043X	—
519D	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	036X
Rated Cooling Capacity – 47°F†	37600	37600	38000	36800	37400	38500	37600	38000	38000	38500	38000	38000	37200	37800	37800	37200	37400	37400	37200
HSPF	6.85	6.85	6.95	6.70	6.85	7.10	6.70	7.00	7.00	7.10	6.90	6.90	6.90	7.00	7.00	7.05	7.10	7.10	6.90
Rated Cooling Capacity Btuh†	35000	35000	35400	33800	34600	36400	34400	35800	35800	36200	35600	35600	34600	35400	35400	35400	35600	35600	34600
SEER	9.55	9.55	9.65	9.30	9.55	9.80	9.25	9.65	9.45	9.75	9.65	9.60	9.55	9.75	9.75	9.75	9.80	9.80	9.55
SEER w/TDR	10.00	10.00	10.15	9.50	10.00	10.25	9.65	10.05	9.80	10.25	10.15	—	10.00	10.20	10.20	10.20	10.25	10.25	10.00
EER 30	8.95	8.95	9.05	8.80	8.95	9.15	8.65	9.00	9.10	9.10	9.00	9.00	8.90	9.00	9.00	9.00	9.10	9.10	8.90

*If other than 60°C copper wire is used, size can be determined from unit ampacity given in above table and applicable table of National Electric Code. Wire size selected must have current capacity not less than that of copper wire specified and must not create a voltage drop between service panel and unit in excess of 2% of unit rated voltage.

†The factory refrigerant charge is sufficient for systems requiring up to 30-feet of interconnecting tubing. For tubing lengths other than 30-feet, see Installation Instructions for additional refrigerant requirements.

‡Single-phase units may use fuses or HACR-type circuit breakers (U.S. only) of same size as noted.

SPECIFICATIONS

MODEL	544B042																								
SERIES	A																								
PERFORMANCE DATA																									
ARI Noise Rating Number*	7.6																								
506B	042	048	049	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
508A	—	—	—	048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
510B	—	—	—	—	048	060	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
517E/G	—	—	—	—	—	—	042	043	048	049	060	062	—	—	—	—	—	—	—	—	—	—	—	—	—
519C	—	—	—	—	—	—	—	—	—	—	—	—	042	060	—	—	—	—	—	—	—	—	—	—	—
519C + 520B042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	042	060	—	—	—	—	—	—	—	—	—
519D/509A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	042	042X	042C	043	043X	048X	—	—	—
519D	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	048	048C	049
Rated Cooling Capacity – 47°F†	42000	43000	43500	43500	44400	45000	43500	43500	44500	44000	45500	45500	42500	43500	43000	44000	43500	43500	43000	43500	43500	44000	44000	43500	43500
HSPF	6.85	7.10	7.20	7.00	7.20	7.25	7.00	7.00	7.15	7.20	7.15	7.15	7.00	7.15	6.90	7.15	7.20	7.20	7.25	7.30	7.30	7.40	7.40	7.30	7.35
Rated Cooling Capacity Btuh†	40000	40500	41000	41500	41500	42500	40500	41000	41000	41500	41500	41500	41000	42500	40000	42000	40500	40500	40500	42000	42000	42000	42000	42000	42500
SEER	9.70	9.80	10.00	9.80	9.80	10.00	9.50	9.60	9.50	9.80	9.50	9.70	9.70	9.90	9.50	9.70	9.80	9.80	9.80	10.15	10.15	10.15	10.15	10.15	10.20
SEER w/TDR	9.90	10.00	10.20	10.00	10.00	10.20	10.00	10.00	9.70	10.00	9.70	9.90	9.90	10.10	9.70	9.90	10.00	10.00	10.00	10.35	10.35	10.35	10.35	10.35	10.35
EER 30	8.60	8.70	9.00	8.85	8.75	8.90	8.40	8.85	8.50	9.00	8.75	8.35	8.65	8.90	8.35	8.50	8.75	8.75	8.75	9.00	9.00	9.00	9.00	9.00	9.00

MODEL	544B048																								
SERIES	A																								
PERFORMANCE DATA																									
ARI Noise Rating Number*	7.6																								
506B	048	049	060	061	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
508A	—	—	—	—	048	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
510B	—	—	—	—	—	048	060	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
517E/G	—	—	—	—	—	—	—	048	049	060	062	063	—	—	—	—	—	—	—	—	—	—	—	—	—
519C	—	—	—	—	—	—	—	—	—	—	—	—	048	060	—	—	—	—	—	—	—	—	—	—	—
519C + 520B042	—	—	—	—	—	—	—	—	—	—	—	—	—	—	048	060	—	—	—	—	—	—	—	—	—
519D/509A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	048X	057C	060	061	—	—	—	—	—
519D	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	048	048C	049
Rated Cooling Capacity – 47°F†	45500	45500	45500	46500	46000	46000	47500	46000	46000	48000	48000	48000	45500	46500	46000	47000	46500	46000	48000	46500	46500	45500	46000		
HSPF	6.65	6.85	6.70	6.90	6.85	6.80	7.00	6.65	7.00	7.00	7.00	7.00	6.75	6.90	6.70	6.85	7.05	7.00	7.35	7.15	7.05	6.95	7.00		
Rated Cooling Capacity Btuh†	43000	43500	43500	44000	44000	44000	46000	43000	44500	45000	45000	46000	42500	44500	42500	44500	44500	46000	46000	48000	44500	44500	46000		
SEER	9.05	9.20	9.15	9.20	9.20	9.10	9.25	9.00	9.20	9.00	9.00	9.20	9.05	9.20	9.00	9.05	9.40	9.50	9.65	9.75	9.40	9.40	9.50		
SEER w/TDR	9.35	9.50	9.45	9.50	9.50	9.40	9.55	9.30	9.50	9.30	9.30	9.50	9.35	9.50	9.30	9.35	9.70	9.85	10.00	10.05	9.70	9.70	9.85		
EER 30	8.10	8.40	8.20	8.50	8.35	8.20	8.45	7.95	8.25	8.10	8.25	8.30	8.05	8.25	7.95	8.10	8.35	8.50	8.55	8.70	8.35	8.35	8.50		

MODEL	544B060								
SERIES	A								
PERFORMANCE DATA									
ARI Noise Rating Number *	7.6								
506B	060	061	—	—	—	—	—	—	—
517E	—	—	060	062	063	—	—	—	—
509A/519D	—	—	—	—	—	057C	060	061	—
519C	—	—	—	—	—	—	—	—	060
Rated Cooling Capacity – 47°F†	55500	56500	57000	57000	58000	55500	57000	56000	55000
HSPF	6.70	6.85	6.75	6.85	6.85	6.75	6.85	6.85	6.70
Rated Cooling Capacity Btuh†	51500	54500	52500	53000	54500	52000	53000	54500	50500
SEER w/TDR	8.90	9.20	8.30	8.70	9.00	9.00	9.00	9.20	9.00

DETAILED COOLING CAPACITIES*

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	E W B	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
544B018 Outdoor Section With 517EN024 Indoor Section													
600	72	19.8	9.93	1.78	18.7	9.55	1.89	17.7	9.16	1.99	16.5	8.76	2.10
	67	18.0	12.7	1.73	17.0	12.3	1.83	16.0	11.9	1.93	14.9	11.5	2.02
	62	16.3	15.3	1.68	15.4	14.8	1.77	14.5	14.3	1.87	13.7	13.7	1.97
	57	15.9	15.9	1.67	15.2	15.2	1.76	14.4	14.4	1.87	13.7	13.7	1.96
675	72	20.1	10.3	1.83	19.0	9.94	1.93	17.9	9.54	2.03	16.7	9.14	2.14
	67	18.2	13.4	1.77	17.2	13.0	1.87	16.1	12.6	1.97	15.1	12.1	2.07
	62	16.6	16.1	1.72	15.8	15.6	1.82	14.9	14.9	1.92	14.1	14.1	2.02
	57	16.5	16.5	1.72	15.7	15.7	1.82	14.9	14.9	1.92	14.1	14.1	2.02
750	72	20.3	10.7	1.87	19.2	10.3	1.97	18.0	9.90	2.07	16.8	9.49	2.17
	67	18.4	14.0	1.81	17.4	13.6	1.91	16.3	13.2	2.01	15.2	12.8	2.11
	62	17.0	16.9	1.77	16.1	16.1	1.87	15.3	15.3	1.97	14.4	14.4	2.07
	57	16.9	16.9	1.76	16.1	16.1	1.87	15.3	15.3	1.97	14.4	14.4	2.07

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
508A	024	1.03	0.96	517E	018	0.97	0.99
510B	024	1.01	0.98		024	1.00	1.00
513C	018	0.99	0.96	519D/509A	018	0.98	0.99
	024	1.02	0.97		024	1.03	0.99
516A	018	1.02	1.00				
	024	1.03	1.00				

*Detailed cooling capacities are based on indoor and outdoor unit at the same elevation and connected by 25 feet of tubing. If other than 25 feet of tubing is used and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡Sensible capacities shown are based on 80°F entering air at the indoor coil. For sensible capacities at other than 80°F, deduct 835 Btuh per 1000 Cfm of indoor coil air for each degree below80°F, or add 835 Btuh per 1000 Cfm of indoor coil air per degree above 80°F.

**Unit KW is total of indoor and outdoor unit KW's.

DETAILED COOLING CAPACITIES*

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	E W B	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
544B024 Outdoor Section With 517EN030 Indoor Section													
800	72	26.3	13.1	2.41	24.8	12.6	2.60	23.3	12.0	2.78	21.8	11.5	2.95
	67	23.9	16.8	2.36	22.5	16.2	2.54	21.1	15.7	2.71	19.8	15.1	2.87
	62	21.7	20.3	2.32	20.5	19.6	2.48	19.3	18.9	2.65	18.2	18.1	2.81
	57	21.2	21.2	2.31	20.2	20.2	2.48	19.2	19.2	2.64	18.2	18.2	2.81
900	72	26.6	13.6	2.46	25.1	13.1	2.65	23.6	12.5	2.83	22.0	12.0	3.01
	67	24.2	17.7	2.41	22.8	17.1	2.59	21.4	16.6	2.77	20.0	16.0	2.93
	62	22.2	21.4	2.37	20.9	20.6	2.54	19.8	19.8	2.71	18.7	18.7	2.88
	57	21.9	21.9	2.37	20.8	20.8	2.54	19.8	19.8	2.71	18.7	18.7	2.88
1000	72	26.9	14.1	2.51	25.3	13.5	2.70	23.8	13.0	2.88	22.2	12.4	3.07
	67	24.5	18.5	2.46	23.0	17.9	2.64	21.6	17.3	2.82	20.1	16.8	2.99
	62	22.5	22.3	2.43	21.4	21.4	2.60	20.2	20.2	2.77	19.1	19.1	2.95
	57	22.5	22.5	2.42	21.4	21.4	2.60	20.2	20.2	2.77	19.1	19.1	2.95

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
506B	030	0.98	0.99	517E	024	0.94	1.00
	036	1.00	1.00		030	1.00	1.00
508A	024	1.00	0.97		036	1.01	1.02
513C	024	0.96	1.00	519D/509A	024	1.00	0.99
	030	1.00	1.02		030	1.01	0.99
					030X	1.01	0.99

544B030 Outdoor Section With 517EN036 Indoor Section													
1000	72	33.0	16.4	3.30	31.1	15.7	3.48	29.1	15.0	3.67	27.2	14.3	3.87
	67	30.0	21.0	3.20	28.2	20.3	3.37	26.4	19.5	3.55	24.6	18.8	3.74
	62	27.4	25.4	3.10	25.8	24.6	3.28	24.3	23.7	3.46	22.7	22.6	3.64
	57	26.6	26.6	3.07	25.4	25.4	3.26	24.1	24.1	3.45	22.7	22.7	3.64
1125	72	33.4	17.0	3.38	31.4	16.3	3.56	29.4	15.6	3.75	27.4	14.9	3.95
	67	30.4	22.1	3.27	28.6	21.4	3.45	26.8	20.6	3.63	24.9	19.9	3.82
	62	27.9	26.8	3.18	26.3	25.8	3.36	24.8	24.8	3.54	23.3	23.3	3.74
	57	27.5	27.5	3.17	26.2	26.2	3.35	24.8	24.8	3.54	23.4	23.4	3.74
1250	72	33.7	17.6	3.45	31.6	16.9	3.63	29.6	16.1	3.82	27.5	15.4	4.02
	67	30.8	23.1	3.35	28.9	22.4	3.52	27.0	21.6	3.71	25.1	20.9	3.90
	62	28.4	27.9	3.26	26.8	26.8	3.44	25.4	25.4	3.63	23.8	23.8	3.83
	57	28.2	28.2	3.26	26.8	26.8	3.44	25.3	25.3	3.63	23.9	23.9	3.83

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
506B	030	0.97	0.98	517E	030	0.97	0.99
	036	1.00	0.99		036	1.00	1.00
	042	1.00	0.99		042	1.02	1.01
508A	036	0.99	0.97	519C	042	1.03	1.00
510B	030	0.97	0.98	519C & 520B042	042	1.03	1.00
	036	1.00	0.99	509A/519D	030X	0.98	0.98
513C	030	0.99	1.02		036	0.99	0.99
				519D	030	0.98	0.98
					036X	0.99	0.99

544B036 Outdoor Section With 517E/GN042 Indoor Section													
1200	72	41.1	20.7	3.75	38.8	19.8	4.02	36.3	18.9	4.28	33.8	18.0	4.54
	67	37.4	26.4	3.64	35.4	25.6	3.90	33.1	24.6	4.14	30.8	23.7	4.38
	62	34.3	31.9	3.55	32.3	30.8	3.79	30.3	29.7	4.02	28.4	28.3	4.26
	57	33.4	33.4	3.52	31.8	31.8	3.77	30.0	30.0	4.01	28.4	28.4	4.26
1350	72	41.6	21.4	3.83	39.2	20.5	4.10	36.7	19.7	4.36	34.1	18.8	4.62
	67	38.1	27.9	3.73	35.8	26.9	3.98	33.5	26.0	4.23	31.1	25.1	4.47
	62	34.9	33.6	3.63	32.9	32.4	3.88	30.9	30.9	4.12	29.1	29.1	4.37
	57	34.5	34.5	3.62	32.8	32.8	3.87	31.0	31.0	4.12	29.2	29.2	4.37
1500	72	42.2	22.3	3.91	39.4	21.3	4.17	36.9	20.4	4.44	34.3	19.5	4.70
	67	38.4	29.2	3.80	36.1	28.2	4.06	33.7	27.3	4.31	31.3	26.3	4.55
	62	35.6	35.2	3.72	33.7	33.7	3.97	31.8	31.8	4.23	29.9	29.9	4.48
	57	35.4	35.4	3.72	33.7	33.7	3.97	31.8	31.8	4.22	29.9	29.9	4.47

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
506B	036	0.98	0.99	519C	042	0.99	0.99
	042	0.98	0.99	519C & 520B	042	0.99	0.99
	048	0.99	0.99	519D/509A	036	0.97	0.99
508A	036	0.94	0.97		042	0.99	0.99
510B	036	0.97	0.98		042X	0.99	0.99
	048	1.02	1.01		042C	0.99	1.00
517E	036	0.96	1.01		043	0.99	1.00
	042	1.00	1.00		043X	0.99	1.00
	043	1.00	1.01	519D	036X	0.97	0.99
	048	1.01	1.01				

DETAILED COOLING CAPACITIES*

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	E W B	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
544B042 Outdoor Section With 517E/GN048 Indoor Section													
1400	72	47.1	23.4	4.60	44.5	22.4	4.92	42.0	21.5	5.24	39.2	20.5	5.54
	67	42.8	29.9	4.46	40.4	28.9	4.76	38.0	27.9	5.06	35.5	26.9	5.34
	62	38.9	36.0	4.33	36.8	34.9	4.62	34.6	33.7	4.90	32.5	32.3	5.17
	57	37.8	37.8	4.29	36.1	36.1	4.59	34.3	34.3	4.88	32.4	32.4	5.17
1575	72	47.8	24.3	4.71	45.0	23.3	5.03	42.4	22.4	5.36	39.4	21.3	5.66
	67	43.5	31.5	4.58	41.0	30.5	4.88	38.4	29.5	5.18	35.7	28.4	5.46
	62	39.7	38.1	4.45	37.5	36.8	4.74	35.4	35.3	5.03	33.4	33.4	5.32
	57	39.1	39.1	4.43	37.2	37.2	4.73	35.3	35.3	5.03	33.4	33.4	5.32
1750	72	48.3	25.1	4.82	45.4	24.1	5.14	42.7	23.2	5.46	39.7	22.2	5.77
	67	43.9	33.0	4.68	41.3	32.0	4.99	38.7	30.9	5.28	36.1	29.9	5.57
	62	40.5	39.9	4.57	38.3	38.3	4.87	36.3	36.3	5.17	34.2	34.2	5.46
	57	40.2	40.2	4.56	38.3	38.3	4.86	36.3	36.3	5.17	34.2	34.2	5.47

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
506B	042	0.98	0.96	519C	042	1.00	0.98
	048	0.99	0.97		060	1.04	0.99
	049	1.00	0.97	519C & 520B042	042	0.98	0.99
508A	048	1.01	0.96		060	1.02	1.02
510B	048	1.01	0.98	519D/509A	042	0.99	0.95
	060	1.04	0.99		042X	0.99	0.95
517E/G	042	0.99	1.00		042C	0.99	0.97
	043	1.00	0.97		043	1.02	0.97
	048	1.00	1.00		043X	1.02	0.97
	049	1.01	0.98		048X	1.02	0.97
	060	1.01	1.04	519D	048	1.02	0.97
	062	1.01	1.03		048C	1.02	0.97
					049	1.04	0.97

544B048 Outdoor Section With 517E/GN060 Indoor Section													
1600	72	51.6	26.2	5.27	48.8	25.2	5.64	45.8	24.1	5.98	42.7	23.1	6.32
	67	47.2	34.0	5.12	44.4	32.9	5.45	41.5	31.8	5.78	38.7	30.6	6.09
	62	43.2	41.2	4.97	40.9	40.0	5.30	38.5	38.4	5.61	36.2	36.2	5.93
	57	42.6	42.6	4.95	40.5	40.5	5.28	38.3	38.3	5.61	36.2	36.2	5.93
1800	72	52.3	27.3	5.41	49.2	26.2	5.77	46.1	25.2	6.12	42.9	24.1	6.46
	67	47.8	36.0	5.25	45.0	34.9	5.59	42.1	33.7	5.92	39.1	32.5	6.23
	62	44.1	43.5	5.12	41.9	41.8	5.45	39.6	39.6	5.79	37.2	37.2	6.11
	57	43.9	43.9	5.11	41.7	41.7	5.45	39.4	39.4	5.78	37.3	37.3	6.12
2000	72	52.8	28.4	5.54	49.5	27.2	5.89	46.3	26.2	6.24	43.0	25.1	6.59
	67	48.2	37.8	5.37	45.3	36.6	5.71	42.3	35.4	6.04	39.3	34.2	6.36
	62	45.0	45.0	5.26	42.7	42.7	5.61	40.3	40.3	5.95	38.1	38.1	6.28
	57	45.0	45.0	5.26	42.7	42.7	5.61	40.3	40.3	5.95	37.9	37.9	6.28

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
506B	048	0.96	0.96	519C	048	0.94	0.95
	049	0.97	0.95		060	0.99	0.97
	060	0.97	0.96	519C & 520B048	048	0.94	0.97
	061	0.98	0.97		060	0.99	0.99
508A	048	0.98	0.94	519D/509A	048X	0.99	0.96
510B	048	0.98	0.97		057C	1.02	0.95
	060	1.02	0.98		060	1.02	0.97
517E/G	048	0.96	0.98		061	1.07	0.96
	049	0.99	0.96	519D	048	0.99	0.96
	060	1.00	1.00		048C	0.99	0.95
	062	1.01	1.00		049	1.02	0.95
	063	1.02	1.01				

*Detailed cooling capacities are based on indoor and outdoor unit at the same elevation and connected by 25 feet of tubing. If other than 25 feet of tubing is used and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡Sensible capacities shown are based on 80°F entering air at the indoor coil. For sensible capacities at other than 80°F, deduct 835 Btuh per 1000 Cfm of indoor coil air for each degree below 80°F, or add 835 Btuh per 1000 Cfm of indoor coil air per degree above 80°F.

**Unit KW is total of indoor and outdoor unit KW's.

DETAILED COOLING CAPACITIES*

Evaporator Air		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	E W B	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
544B060 Outdoor Section With 517E/GN063 Indoor Section													
1900	72	62.2	31.0	6.38	59.3	30.0	6.82	56.0	28.9	7.25	52.5	27.7	7.64
	67	57.0	40.1	6.23	53.8	38.9	6.64	50.5	37.6	7.01	47.3	36.4	7.36
	62	51.7	48.7	6.07	48.9	47.3	6.44	46.1	45.7	6.79	43.5	43.5	7.14
	57	50.6	50.6	6.04	48.3	48.3	6.41	45.9	45.9	6.78	43.5	43.5	7.14
2100	72	62.7	31.9	6.50	59.9	31.0	6.95	56.6	30.0	7.38	53.0	28.8	7.78
	67	57.7	42.0	6.36	54.5	40.9	6.77	51.1	39.6	7.15	47.7	38.3	7.50
	62	52.7	51.3	6.21	49.8	49.6	6.58	47.2	47.2	6.96	44.7	44.7	7.32
	57	52.2	52.2	6.20	49.7	49.7	6.58	47.2	47.2	6.96	44.7	44.7	7.32
2300	72	63.0	32.7	6.61	60.3	32.0	7.07	57.0	31.0	7.50	53.3	29.9	7.91
	67	58.2	43.8	6.48	55.0	42.8	6.90	51.5	41.5	7.28	48.1	40.1	7.63
	62	53.6	53.4	6.35	50.9	50.9	6.74	48.3	48.3	7.12	45.7	45.7	7.49
	57	53.4	53.4	6.35	50.9	50.9	6.74	48.3	48.3	7.12	45.7	45.7	7.49

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
506B	060	0.94	0.93	509A/519D	057C	0.95	0.94
	061	1.00	0.95		060	0.97	0.94
517E/G	060	0.96	1.01		061	1.00	0.95
	062	0.97	0.98	519C	060	0.93	0.90
	063	1.00	1.00				

*Detailed cooling capacities are based on indoor and outdoor unit at the same elevation and connected by 25 feet of tubing. If other than 25 feet of tubing is used and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡Sensible capacities shown are based on 80°F entering air at the indoor coil. For sensible capacities at other than 80°F, deduct 835 Btuh per 1000 Cfm of indoor coil air for each degree below80°F, or add 835 Btuh per 1000 Cfm of indoor coil air per degree above 80°F.

**Unit KW is total of indoor and outdoor unit KW's.

HEAT PUMP HEATING PERFORMANCE

544B018/ 517EN024	Indoor Coil Airflow Cfm* 675	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			–3	7	17	27	37	47	57	67
Instaneous Capacity (MBtuh)			6.21	8.29	10.6	13.1	15.9	19.0	22.6	26.5
Integrated Capacity (MBtuh)†			5.72	7.61	9.66	11.7	14.5	19.0	22.6	26.5
Total Power Input (KW)‡			1.34	1.44	1.55	1.67	1.80	1.94	2.12	2.33

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
508A	024	0.98	0.99	517E	018	0.98	1.01
510B	024	0.99	0.98		024	1.00	1.00
513C	018	0.95	1.00	519D/509A	018	0.96	1.01
	024	0.97	0.97		024	0.98	0.99
516A	018	0.98	1.00				
	024	0.99	0.99				

544B024/ 517EN030	Indoor Coil Airflow Cfm* 900	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			–3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			9.85	12.3	19.9	17.9	21.4	25.4	30.5	36.0
Integrated Capacity (MBtuh)†			9.06	11.3	13.6	15.9	19.5	25.4	30.5	36.0
Total Power Input (KW)‡			2.01	2.13	2.24	2.35	2.48	2.61	2.79	3.00

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	030	0.98	0.98	517E	024	1.00	1.00
	036	0.97	0.94		030	1.00	1.00
508A	024	0.99	1.01		036	1.00	1.00
513C	024	0.98	0.99	519D/509A	024	0.98	0.98
	030	1.00	1.00		030	0.99	0.99
					030X	0.99	0.99

*See the Heating Performance Correction Factors Table for Cfm and indoor coil entering air temperature adjustments.

†The Btuh heating capacity values shown are net "integrated" values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

‡The KW values include the compressor, outdoor fan motor, and indoor blower motor. The KW from supplement heaters should be added to these values to obtain total system KW.

HEAT PUMP HEATING PERFORMANCE

544B030/ 517EN036	Indoor Coil Airflow Cfm* 1125	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			– 3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			13.0	15.8	19.0	22.6	26.7	31.6	37.6	43.8
Integrated Capacity (MBtuh)†			12.0	14.5	17.3	20.1	24.3	31.6	37.6	43.8
Total Power Input (KW)‡			2.38	2.51	2.65	2.80	2.97	3.19	3.50	3.84

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	030	0.97	0.99	517E	030	0.99	1.01
	036	1.01	0.99		036	1.00	1.00
	042	1.01	0.99		042	1.02	0.99
508A	036	0.97	1.00	519C	042	1.01	0.99
510B	030	0.99	1.01	519C & 520B042	042	1.01	0.99
	036	1.00	0.99	509A/519D	030X	0.99	1.01
513C	030	1.00	1.00		036	0.99	0.99
				519D	030	0.99	1.01
					036X	0.99	0.99

544B036/ 517EN042	Indoor Coil Airflow Cfm* 1350	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			– 3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			14.3	18.2	22.2	26.6	31.7	38.0	45.9	54.2
Integrated Capacity (MBtuh)†			13.2	16.7	20.2	23.7	28.8	38.0	45.9	54.2
Total Power Input (KW)‡			2.54	2.79	3.03	3.28	3.54	3.86	4.26	4.69

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	036	0.99	1.01	519C	042	1.00	1.00
	042	0.99	1.01	519C & 520B	042	1.00	1.00
	048	1.00	1.00	519D/509A	036	0.98	1.01
508A	036	0.97	1.04		042	0.99	1.01
510B	036	0.98	1.02		042X	0.99	1.01
	048	1.01	0.98		042C	0.98	1.00
517E	036	0.99	1.05		043	0.98	0.99
	042	1.00	1.00		043X	0.98	0.99
	043	1.00	1.00	519D	036X	0.98	1.01
	048	1.01	1.00				

544BJ042/ 517EN048	Indoor Coil Airflow Cfm* 1575	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			– 3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			17.2	21.7	26.4	31.4	37.2	44.5	53.4	62.7
Integrated Capacity (MBtuh)†			15.8	20.0	24.1	27.9	33.9	44.5	53.4	62.7
Total Power Input (KW)‡			3.22	3.45	3.68	3.90	4.14	4.42	4.76	5.13

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	042	0.94	0.99	519C	042	0.96	0.99
	048	0.97	1.00		060	0.98	0.98
	049	0.98	0.99	519C & 520B042	042	0.97	1.01
508A	048	0.98	1.01		060	0.99	1.00
510B	048	0.99	0.97	519D/509A	042	0.98	1.00
	060	1.01	0.98		042X	0.98	1.00
517E/G	042	0.98	1.01		042C	0.97	0.99
	043	0.98	0.99		043	0.98	0.99
	048	1.00	1.00		043X	0.98	0.99
	049	0.99	0.97		048X	0.99	0.98
	060	1.02	1.02	519D	048	0.99	0.98
	062	1.02	1.02		048C	0.98	0.98
					049	0.98	0.97

*See the Heating Performance Correction Factors Table for Cfm and indoor coil entering air temperature adjustments.

†The Btuh heating capacity values shown are net "integrated" values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

‡The KW values include the compressor, outdoor fan motor, and indoor blower motor. The KW from supplement heaters should be added to these values to obtain total system KW.

HEAT PUMP HEATING PERFORMANCE

544B048/ 517EN060	Indoor Coil Airflow Cfm* 1800	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			– 3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			19.3	24.0	28.8	34.1	40.3	48.0	57.5	67.4
Integrated Capacity (MBtuh)†			17.8	22.1	26.3	30.3	36.6	48.0	57.5	67.4
Total Power Input (KW)‡			3.47	3.75	4.02	4.29	4.59	4.95	5.39	5.89

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	048	0.95	1.00	519C	048	0.95	0.98
	049	0.95	0.97		060	0.97	0.97
	060	0.95	0.98	519C & 520B048	048	0.96	0.99
	061	0.97	0.96		060	0.98	0.99
508A	048	0.96	0.99	519D/509A	048X	0.97	0.96
510B	048	0.96	0.99		057C	0.96	0.97
	060	0.99	0.94		060	1.00	0.94
517E/G	048	0.96	1.01		061	0.97	0.95
	049	0.96	0.97	519D	048	0.97	0.96
	060	1.00	1.00		048C	0.95	0.97
	062	1.00	1.00		049	0.96	0.97
	063	1.00	1.00				

544B060/ 517E063	Indoor Coil Airflow Cfm* 2100	EDB* 70°	OUTDOOR COIL ENTERING AIR TEMPERATURE °F							
			– 3	7	17	27	37	47	57	67
Instantaneous Capacity (MBtuh)			19.9	26.3	33.0	40.1	48.1	58.0	70.2	83.2
Integrated Capacity (MBtuh)†			18.3	24.2	30.1	35.6	43.7	58.0	70.2	83.2
Total Power Input (KW)‡			4.08	4.41	4.74	5.06	5.37	5.74	6.17	6.60

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating Capacity	Heating Power	Indoor Section	Size	Heating Capacity	Heating Power
506B	060	0.96	0.99	509A/519D	057C	0.96	0.98
	061	0.97	0.96		060	0.98	0.97
517E/G	060	0.98	1.00		061	0.97	0.95
	062	0.98	0.99	519C	060	0.95	0.98
	063	1.00	1.00				

*See the Heating Performance Correction Factors Table for Cfm and indoor coil entering air temperature adjustments.

†The Btuh heating capacity values shown are net "integrated" values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

‡The KW values include the compressor, outdoor fan motor, and indoor blower motor. The KW from supplement heaters should be added to these values to obtain total system KW.

HEATING PERFORMANCE CORRECTION FACTORS

Indoor Coil Cfm per 12,000 Btuh of ARI Cooling Capacity	Correction Factors Capacity	Power
400	0.99	1.01
450	1.00	1.00
500	1.01	0.99
Indoor Coil Entering Air Temp °F (DB)		
65	1.01	0.97
70	1.00	1.00
75	0.99	1.03