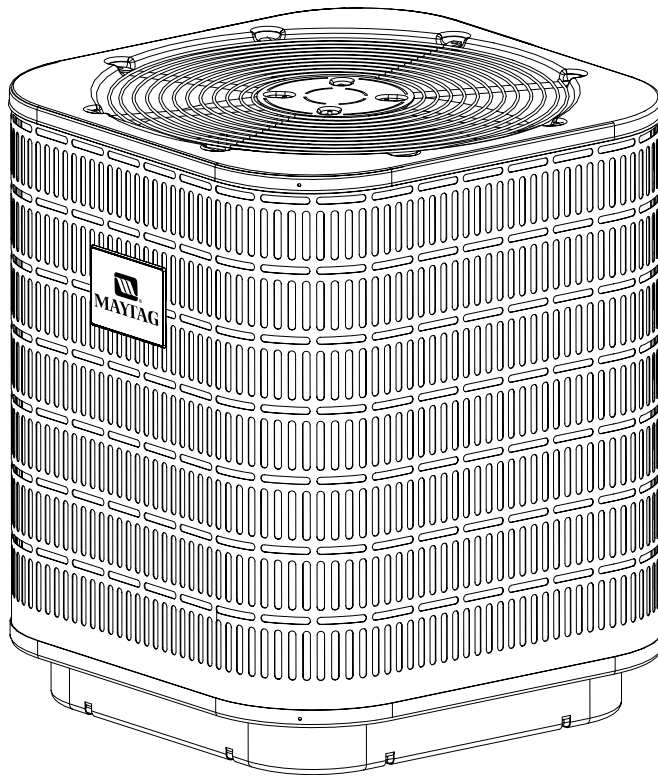




TECHNICAL SPECIFICATIONS

Model DT5BU Series



M500 Product Line

**High Efficiency Heat Pump
13 SEER — 1 1/2 - 5 Ton Capacity**

- **5 YEAR
WARRANTY**
- **WORRY-FREE
PERFORMANCE**



The DT5BU Series of heat pumps offers exceptional performance from a small, compact package. The heat pump, when combined with our engineered coils or air handlers, offers a full line of quality, split system heating and cooling equipment. Units are ideally sized for slab or rooftop mounting.

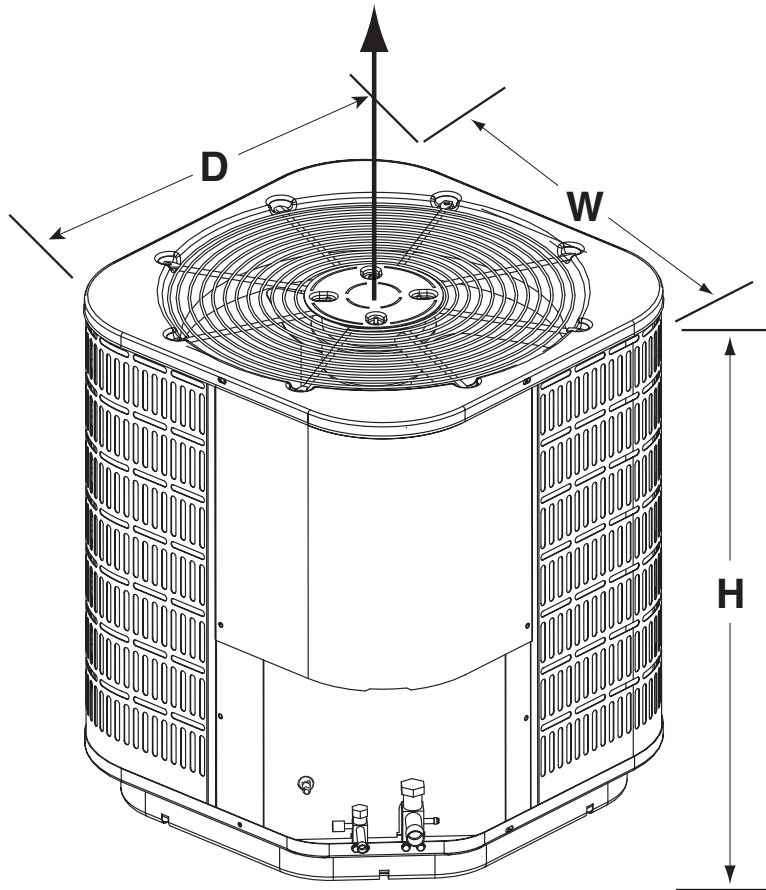
Features and Benefits

- **Durable, Attractive Cabinet** – Designed using galvanized steel with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Full Service Valves** – These brass valves are easily accessible and simplify servicing of the refrigeration system.
- **Steel Guard™** – protects the unit coil from being damaged by balls, lawnmowers, hail, etc.
- **Time / Temperature Defrost** – A reliable, industry standard control offers various time settings to meet any type climate.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **Common Suction Service Port** – This port allows the contractor to read the suction pressure in all modes of operation without removing any panels, saving time and increasing serviceability.
- **2-1/2" Pedestal Base** – The sturdy base keeps the bottom of the coil out of harms way. Secondly, the base has weep holes along the edge to allow the water from rain to flow away from the unit.
- **Five Minute Restart Time Delay** – When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Suction Accumulator and Crankcase Heat** – Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler** – Reduces compressor noise and vibration.
- **Easy Compressor and Control Access** – Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **5 Year Limited Parts Warranty**

DIMENSIONS/OUTDOOR SECTION

DT5BU-	018	024	030	036	042	048	060
H	26 1/2	30 1/2	34 1/2	38 1/2	42 1/2	38 1/2	42 1/2
W	22 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2
D	22 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2

Air Discharge
Allow Adequate Clearance for Airflow



IDENTIFICATION CODE

D T 5 B U - 036 K A

D - Steel Guard™

T - Heat Pump

Generation 1, 2, 3, etc.

Product Identifier

BU = Braze 13 SEER

Design Series

Electrical Code

K = 208/230-60-1

Nominal Capacity
(000) BTU

PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13 SEER — High Efficiency — Single Phase

Model No. DT5BU		018	024	030	036	042	048	060	
Electrical	Volts-Cycles-Phase (1)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	
Data	Total Amps	10.3	11.6	13.6	17.4	19.4	20.7	30.3	
	Delay Fuse Max. (2)	20	20	25	35	40	40	60	
	Min. Circuit Ampacity	12.6	14.2	16.6	21.4	23.9	25.5	37.5	
Component Data	Coil	Area	9.87	17.9	20.4	23.0	25.5	23.0	25.5
		Rows-FPI	1-18	1-18	1-18	1-20	1-20	2-16	2-16
		Tube Dia.	3/8 O.D.	3/8 O.D.	3/8 O.D.	3/8 O.D.	3/8 O.D.	3/8 O.D.	3/8 O.D.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	1.4	1.4	1.4	1.5	1.5	1.5
		Watts-HP	37 1/20	245	245	245	300	300	300
	Fan Blade	Dia.-#Blades	18 in. - 3	24 in. - 3	24 in. - 3	24 in. - 3	24 in. - 3	24 in. - 3	24 in. - 3
		SCFM	2000	3300	3300	3300	4000	4000	4000
	Compressor Data*	RLA	10.0	10.2	12.2	16.0	17.9	19.2	28.8
		LRA	42	56	67	88	104	137	169
Refrigerant Suction Line- Length/O.D. (Liq. Line All Lengths - 3/8" O.D.)	15 - 24 ft.	5/8" (3)	5/8" (3)	3/4"	3/4"	3/4"	7/8"	7/8"	
	25 - 39 ft.	3/4"	3/4"	3/4"	3/4"	7/8" (4)	7/8"	1 1/8" (5)	
	40 - 75 ft.	3/4"	3/4"	3/4"	7/8" (4)	7/8" (4)	7/8"	1 1/8" (5)	
Refrigerant Charge	(Outdoor unit, Indoor Unit, 15' Line Set)	72	112	133	146	162	240	264	
R-22 Ounces									
Weight Approximate (lbs.)	Net	162	170	178	188	204	253	282	
	Ship	174	182	190	200	216	265	294	

* Values shown are most severe and may vary slightly depending on the make of the compressor supplied.

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers or Time Delay Fuse

(3) Requires 3/4" to 5/8" reducer from unit to line.

(4) Requires 7/8" to 3/4" reducer from line to unit.

(5) Requires 7/8" to 1-1/8" reducer from line to unit.

COPPER WIRE SIZE — AWG (1% Voltage Drop)				
Supply Wire Length-Feet				Supply Circuit Ampacity
200	150	100	50	
6	8	10	14	15
4	6	8	12	20
4	6	8	10	25
4	4	6	10	30
3	4	6	8	35
3	4	6	8	40
2	3	4	6	45
2	3	4	6	50

Wire Size based on N.E.C. for 60° type copper conductors.

SYSTEM HEATING & COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

Model Number T5BU-	Model Number	Cooling Capacity (Btu/h)	SEER Rating	Heating Capacity (Btu/h) @ 47°	HSPF	Heating Capacity (Btu/h) @ 17°	Nominal Airflow (SCFM)	Indoor Orifice Size (in) (1)
-018K	C5B(A,H)-024(C,U)-B+VSB-B	18,000	13.0	16,800	8.4	9,900	645	0.055
-024K	C5B(A,H)-024(C,U)-B+VSB-B	24,200	13.0	22,000	7.8	12,500	720	0.060
-030K	C5B(A,H)-030(C,U)-B+VSB-B	28,800	13.0	28,000	8.0	15,900	990	0.065
-036K	C5B(A,H)-036(C,U)-B+LLS+VSB-B	35,000	13.0	34,400	8.0	20,000	1,100	0.075
-042K	C5B(A,H)-048(C,U)-C+LLS+VSB-C	41,500	13.0	41,000	8.0	23,400	1,305	0.077
-048K	C5B(A,H)-048(C,U)-C+VSB-C	48,000	13.0	47,500	8.0	27,000	1,530	0.082

Model Number T5BU-	Model Number	Cooling Capacity (Btu/h)	SEER Rating	Heating Capacity (Btu/h) @ 47°	HSPF	Heating Capacity (Btu/h) @ 17°	Nominal Airflow (SCFM)	Indoor Orifice Size (in) (1)
-018K	B5VM-024K-B	18,000	13.0	16800	8.4	9,900	645	0.055
-024K	B5VM-025K-B	24,600	13.0	22200	7.7	12,500	720	0.060
-030K	B5VM-030K-B	29,000	13.0	28000	7.7	14,600	885	0.065
-036K	B5VM-036K-B	41,000	13.0	39500	7.9	19,700	1,315	0.075
-042K	B5VM-042K-B	35,000	13.0	34400	8.0	20,000	1,100	0.077
-048K	B5VM-048K-C	48,000	13.0	48000	7.7	27,400	1,600	0.082
-060K	B5VM-060K-C	57,000	13.0	57000	7.8	36,400	1,700	0.099

(1) Field supplied.

LLS = Liquid Line Solenoid

TDR = Time Delay Relay

VSB = Variable Speed Blower

See the current ARI Directory for certified combinations and ratings.

ACCESSORIES - CONDENSING UNIT

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

Snow Stand

Plastic-coated, molded wire stand which elevates units 7-1/4" above ground level.

913145 - (Large Base Pan) Shipped six (6) per box.

Outdoor Thermostat - 913852

Two-stage logic provides ability to lock out electric strips down to balance point and bring on in stages.

Fan Delay Kit (TDR) included in Maytag Furnace

918476 - 40-second fan delay

Liquid Line Solenoid Kit (LLS)

912650 - 1-1/2 – 3-1/2 Ton

913869 - 4 – 5 Ton



Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.
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