

Inverter Heat Pump Systems • Up to 15.5 SEER2 • Platinum Light Series

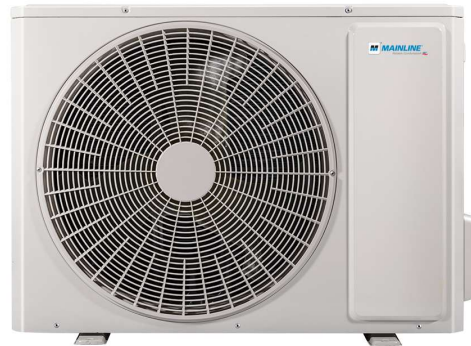
Product Specifications



MAINLINE

Reliably Comfortable.®

The Mainline Platinum light series is an inverter driven, high efficiency, forced air ducted heating & cooling system. Features a smaller footprint with dramatically lower noise levels. These systems utilize R-410A refrigerant, and are compatible with standard 24 volt thermostats. 208/230 volt, single phase only.



FEATURES

- Low ambient cooling operation to 5°F
- Heating to 5°F
- Upflow or horizontal airflow only. Not downflow configurable.
- Base pan heater
- 2 to 5 Ton capacities
- Flare connection
- High & low pressure protection
- Intelligent defrost eliminates unnecessary defrost cycles & prevents cold airflow at startup
- Optional electric heater kits available
- Side discharge condenser
- Diagnostic troubleshooting
- Adjustable defrost
- Field selectable airflow levels
- Pre-Charged for 25' of line set
- Over 100' maximum line set length
- Precision electronic expansion valve

Available 208/230 Volt Model	
Outdoor Model	Indoor Model
BBD24W2DDU	BBD24AH2DDU
BBD30W2DDU	BBD30AH2DDU
BBD36W2DDU	BBD36AH2DDU
BBD42W2DDU	BBD42AH2DDU
BBD48W2DDU	BBD48AH2DDU
BBD60W2DDU	BBD60AH2DDU

BB Prefix = Mainline Branded Product

TU Prefix = Tosot Branded Product

Available Electric Heater Kit Model 208/230-1 Phase		
320004060157	LYQ-08-A	5KW – 208/230-1
320004060159	LYQ-08-B	8KW – 208/230-1
320004060160	LYQ-08-C	10KW – 208/230-1
320004060158	LYQ-08-D	15KW – 208/230-1
320004060161	LYQ-08-E	20KW – 208/230-1

Warranty

See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.



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TECHNICAL SPECIFICATIONS

Outdoor Model	Indoor Model	Nominal BTUH	Clg. Cap. BTUH	Htg. Cap. BTUH	SEER2
BBD24W2DDU	BBD24AH2DDU	24,000	23,000	23,000	15.5
BBD30W2DDU	BBD30AH2DDU	30,000	28,600	28,600	15.2
BBD36W2DDU	BBD36AH2DDU	36,000	34,000	34,000	15.5
BBD42W2DDU	BBD42AH2DDU	42,000	40,000	40,000	15.5
BBD48W2DDU	BBD48AH2DDU	48,000	46,000	46,000	15
BBD60W2DDU	BBD60AH2DDU	60,000	54,000	54,000	15.2

Outdoor Model	Indoor Model	Liq. Conn. (Flare)	Suct. Conn. (Flare)	Refrig. Charge	Charge Length	Max Pipe Length	Add'l Charge Oz./Ft.	Max. Vert. Rise
BBD24W2DDU	BBD24AH2DDU	3/8"	3/4"	70.6 Oz.	25'	98'	.2	49'
BBD30W2DDU	BBD30AH2DDU	3/8"	3/4"	77.6 Oz.	25'	98'	.2	49'
BBD36W2DDU	BBD36AH2DDU	3/8"	3/4"	105.8 Oz.	25'	164'	.2	98'
BBD42W2DDU	BBD42AH2DDU	3/8"	3/4"	123.5 Oz.	25'	164'	.2	98'
BBD48W2DDU	BBD48AH2DDU	3/8"	3/4"	158.8 Oz.	25'	164'	.2	98'
BBD60W2DDU	BBD60AH2DDU	3/8"	3/4"	197.6 Oz.	25'	164'	.2	98'

SEER2=Seasonal Energy Efficiency Ratio – M1 Compliant
 EER2=Energy Efficiency Ratio – M1 Compliant
 HSPF2=Heating Season Performance Factor – M1 Compliant
 COP=Coefficient of Performance
 MOP = Maximum Overcurrent Protection
 MCA = Minimum Circuit Ampacity



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Revised 12/21/2023

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ELECTRICAL SPECIFICATIONS

Outdoor Model	MOP	MCA	Indoor Weight	Outdoor Weight
BBD24W2DDU	20	17	125 Lbs.	99 Lbs.
BBD30W2DDU	25	20	125 Lbs.	119 Lbs.
BBD36W2DDU	30	23	154 Lbs.	132 Lbs.
BBD42W2DDU	35	25	154 Lbs.	132 Lbs.
BBD48W2DDU	40	29	198 Lbs.	164 Lbs.
BBD60W2DDU	45	32	189 Lbs.	200 Lbs.

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Indoor Model	No heat		5 kw Heat		8kw Heat		10kw Heat		15kw Heat		20kw Heat	
	Kit		Kit		Kit		Kit		Kit		Kit	
	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA
BBD24AH2DDU	15	5	30	25	45	40	60	50	NA	NA	NA	NA
BBD30AH2DDU	15	5	30	25	45	40	60	50	NA	NA	NA	NA
BBD36AH2DDU	15	5	30	25	45	40	60	50	NA	NA	NA	NA
BBD42AH2DDU	15	5	30	25	45	40	60	50	90	75	120	100
BBD48AH2DDU	15	5	30	25	45	40	60	50	90	75	120	100
BBD60AH2DDU	15	5	30	25	45	40	60	50	90	75	120	100

SYSTEM COMBINATION CHART

AHRI Number	Brand	Outdoor Model	Indoor Model	SEER2	EER2	HSPF2	Clg. Cap.	Htg. Cap.
211078853	TOSOT	BBD24W2DDU	BBD24AH2DDU	15.5	10.5	7.8	23,000	23,000
211078854	TOSOT	BBD30W2DDU	BBD30AH2DDU	15.2	10	7.8	28,600	28,600
211078855	TOSOT	BBD36W2DDU	BBD36AH2DDU	15.5	10	7.7	34,000	34,000
211078856	TOSOT	BBD42W2DDU	BBD42AH2DDU	15.5	10	7.8	40,000	40,000
211078857	TOSOT	BBD48W2DDU	BBD48AH2DDU	15	8.6	7.8	46,000	46,000
211078858	TOSOT	BBD60W2DDU	BBD60AH2DDU	15.2	10	7.8	54,000	54,000

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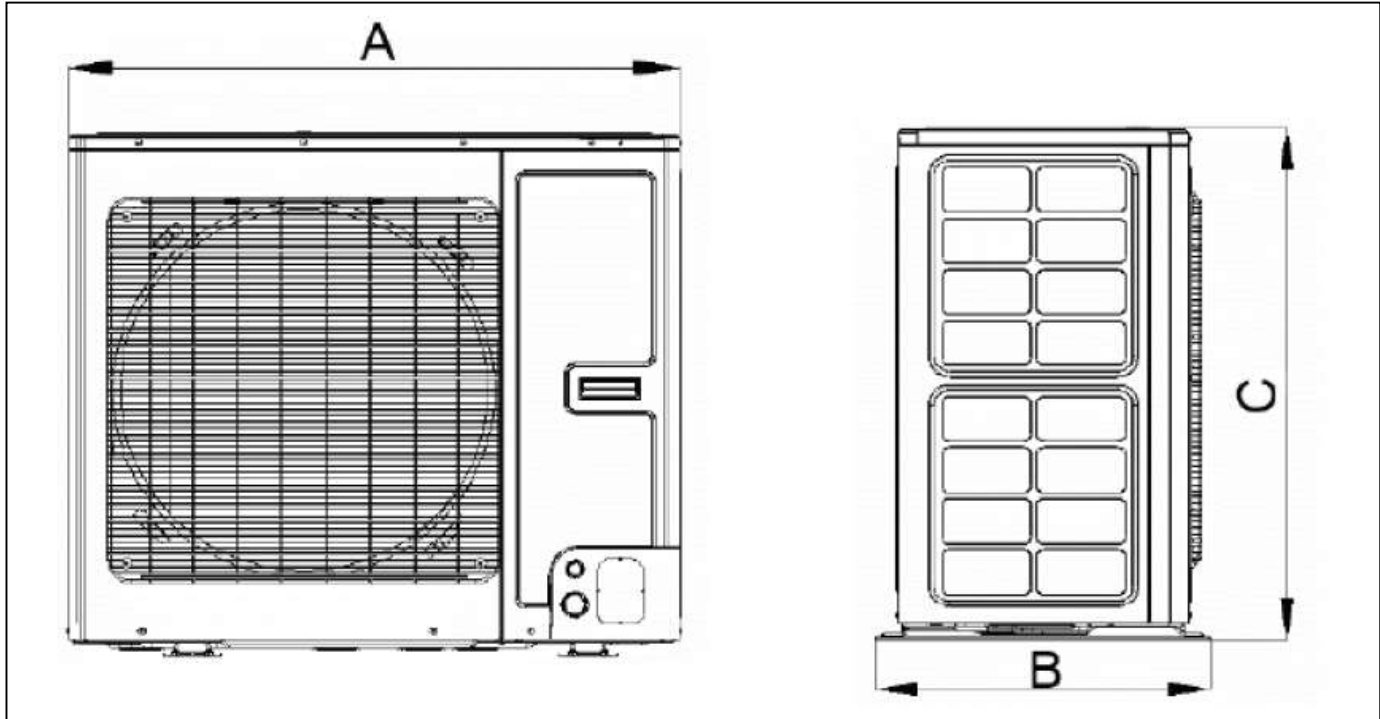
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Model	Dimensions		
	A	B	C
BBD24W2DDU	35"	15-13/16"	25-7/8"
BBD30W2DDU	36-5/16"	16-13/16"	29-3/8"
BBD36W2DDU	36-5/16"	16-13/16"	29-3/8"
BBD42W2DDU	37-1/8"	16-13/16"	32-1/2"
BBD48W2DDU	37-1/8"	16-13/16"	32-1/2"
BBD60W2DDU	39"	16-13/16"	37-13/16"



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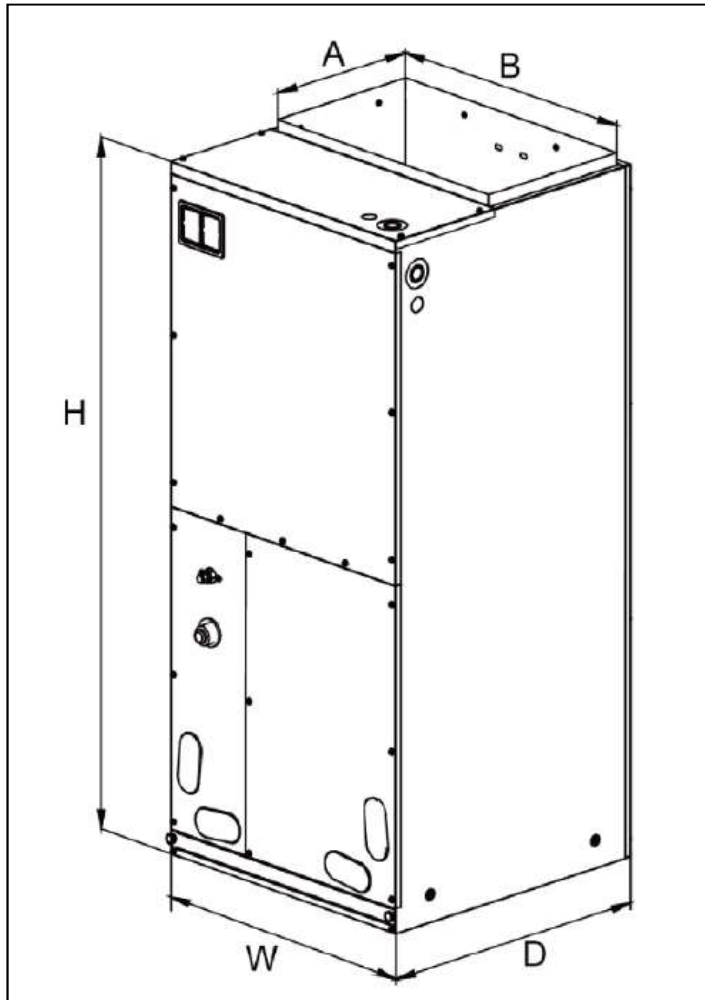
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Model	Dimensions				
	W	D	H	A	B
BBD24AH2DDU	18-1/8"	21-1/4"	43-1/2"	11-5/8"	16-3/4"
BBD30AH2DDU	18-1/8"	21-1/4"	43-1/2"	11-5/8"	16-3/4"
BBD36AH2DDU	21-1/4"	21-1/4"	48-3/16"	11-5/8"	20"
BBD42AH2DDU	21-1/4"	21-1/4"	48-3/16"	11-5/8"	20"
BBD48AH2DDU	24-13/16"	21-1/4"	52"	11-5/8"	20"
BBD60AH2DDU	24-13/16"	21-1/4"	52"	11-5/8"	20"



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