

# Single Zone Ductless Heat Pump Systems • Up to 27 SEER2 • Premier Series



**MAINLINE**

Reliably Comfortable.®

## Product Specifications

Slim, stylish and elegant, these ductless wall mount heat pump units feature up to 27 SEER2 efficiency, inverter driven compressor technology, LED display, wireless remote control, and utilize environmentally friendly R410A refrigerant. These systems come with the addition of built in Wi-Fi, crankcase heater, auto fan swing & fan delay functions and base pan heater. Each ductless indoor unit is designed to heat or cool a single room, while blending seamlessly into any decor. Available in 208/230 volt models only. Indoor units compatible with multi-zone ductless heat pump systems.



## FEATURES

- Low ambient cooling operation to 0°F
- Heating to -22°F (80% of capacity)
- Multiple fan speeds for maximum comfort & quiet operation
- Memory function
- Auto swing louvers (vertical & horizontal) for ultimate occupant comfort
- Compressor crank case heater and pan heater allowing heating operation down to -22°F
- Wi-Fi equipped for remote monitoring & control
- High and low pressure protection features for system protection
- Turbo feature increases airflow to assist in reaching temperature set point
- Intelligent pre-heating / defrost eliminates unnecessary defrost cycles & prevents cold airflow at startup
- Control lock prevents tampering
- Smart 1 hertz inverter technology
- Permanent washable air filters
- Over-current protection
- Anti freeze protection
- IFEEL function – when active senses room temperature at location of remote for improved occupant comfort

Available 208/230 Volt Models	
Outdoor Unit No.	Indoor Unit No.
BB09HQ4D6D-O (TW09HQ4D6D-O)	BB09HQ4D6D-I (TW09HQ4D6D-I)
BB12HQ3D6D-O (TW12HQ3D6D-O)	BB12HQ3D6D-I (TW12HQ3D6D-I)
BB18HQ3D6D-O (TW18HQ3D6D-O)	BB18HQ3D6D-I (TW18HQ3D6D-I)
BB24HQ3D6D-O (TW24HQ3D6D-O)	BB24HQ3D6D-I (TW24HQ3D6D-I)

BB Prefix = Mainline Branded Product

TW Prefix = Tosot Branded Product

Available Accessories	
Description	Model No.
Optional wall mount control	XE-71
Optional wall mount programmable premium controller	XK-76
Optional thermostat adapter * 24 Volt transformer required	SQZ003A01

Model Number Nomenclature	
BB/TW	Mainline/Tosot
09/12/18/24	Nominal BTUH
HQ3	Efficiency level 3=27 SEER2
D6	Panel design
D	D=208/230
-O/-I	Outdoor Unit/Indoor Unit

## 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 Unit No.	Indoor Unit No.	Clg. Cap. BTUH	Htg. Cap. BTUH	SEER2	EER2	HSPF2	COP	Voltage
BB09HQ4D6D-O (TW09HQ4D6D-O)	BB09HQ4D6D-I (TW09HQ4D6D-I)	1535-12996	2388-13648	27	16.6	11	4.3	208/230-1
BB12HQ3D6D-O (TW12HQ3D6D-O)	BB12HQ3D6D-I (TW12HQ3D6D-I)	2900-15354	3071-18766	24	14	8.5	3.8	208/230-1
BB18HQ3D6D-O (TW18HQ3D6D-O)	BB18HQ3D6D-I (TW18HQ3D6D-I)	4094-21837	4094-24566	22	13.5	10	3.5	208/230-1
BB24HQ3D6D-O (TW24HQ3D6D-O)	BB24HQ3D6D-I (TW24HQ3D6D-I)	6800-30700	6800-32000	21.5	13	9.5	3.5	208/230-1

BB Prefix = Mainline Branded Product

Reference product service manual for extended performance data.

TW Prefix = Tosot Branded Product

Outdoor Unit No.	Indoor Unit No.	Liq. Conn. (Flare)	Suct. Conn. (Flare)	Fact. Refrig. Charge	Fact. Charge Length	Max Pipe Length	Add'l Charge Oz/Ft.	Max. Vert. Rise
BB09HQ4D6D-O (TW09HQ4D6D-O)	BB09HQ4D6D-I (TW09HQ4D6D-I)	1/4"	1/2"	46 Oz.	25'	98'	.2	49'
BB12HQ3D6D-O (TW12HQ3D6D-O)	BB12HQ3D6D-I (TW12HQ3D6D-I)	1/4"	1/2"	49 Oz.	25'	66'	.2	32'
BB18HQ3D6D-O (TW18HQ3D6D-O)	BB18HQ3D6D-I (TW18HQ3D6D-I)	1/4"	5/8"	74 Oz.	25'	100'	.5	65'
BB24HQ3D6D-O (TW24HQ3D6D-O)	BB24HQ3D6D-I (TW24HQ3D6D-I)	1/4"	5/8"	81 Oz.	25'	164'	.5	98'

BB Prefix = Mainline Branded Product

Line set length must be 10' minimum (Not including indoor unit connection stub).

TW Prefix = Tosot Branded Product

Outdoor Unit No.	Indoor Unit No.	MOP	MCA	ODU Sound Level	IDU Sound Level/Fan Speed	Indoor Weight	Outdoor Weight
BB09HQ4D6D-O (TW09HQ4D6D-O)	BB09HQ4D6D-I (TW09HQ4D6D-I)	15	9	53 DB	43/40/38/36/33/31/19 DB	29 Lbs.	99 Lbs.
BB12HQ3D6D-O (TW12HQ3D6D-O)	BB12HQ3D6D-I (TW12HQ3D6D-I)	15	9	53 DB	49/46/43/40/37/34/22 DB	29 Lbs.	99 Lbs.
BB18HQ3D6D-O (TW18HQ3D6D-O)	BB18HQ3D6D-I (TW18HQ3D6D-I)	30	22	59 DB	51/48/45/42/39/36/34 DB	36 Lbs.	141 Lbs.
BB24HQ3D6D-O (TW24HQ3D6D-O)	BB24HQ3D6D-I (TW24HQ3D6D-I)	35	22	59 DB	52/49/46/43/40/37/34 DB	36 Lbs.	147 Lbs.

BB Prefix = Mainline Branded Product

TW Prefix = Tosot Branded Product

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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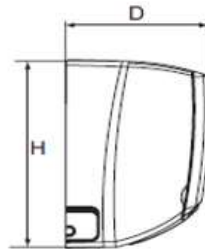
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Product Specifications



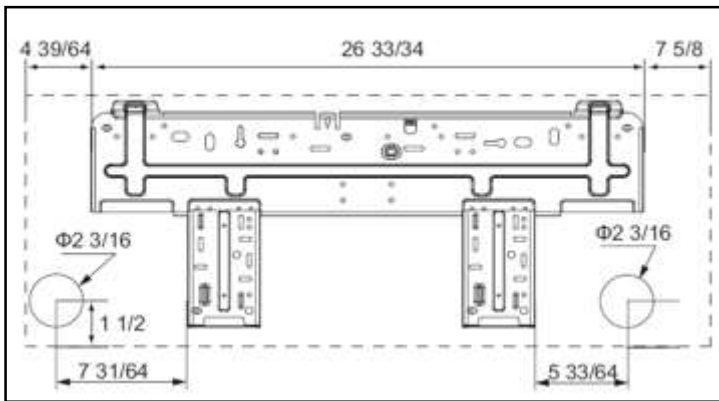
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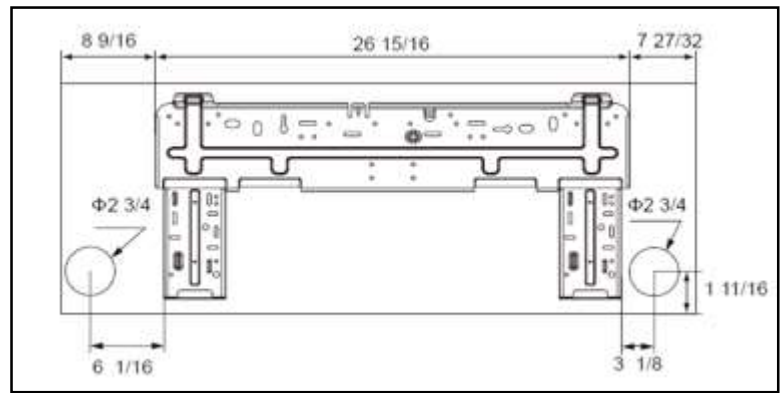


	W	H	D
9k	39 13/64	11 55/64	8 55/64
12k	39 13/64	11 55/64	8 55/64
18k	43 11/32	12 56/64	9 51/64
24k	43 11/32	12 56/64	9 51/64

9K & 12K Models



18K & 24K Models



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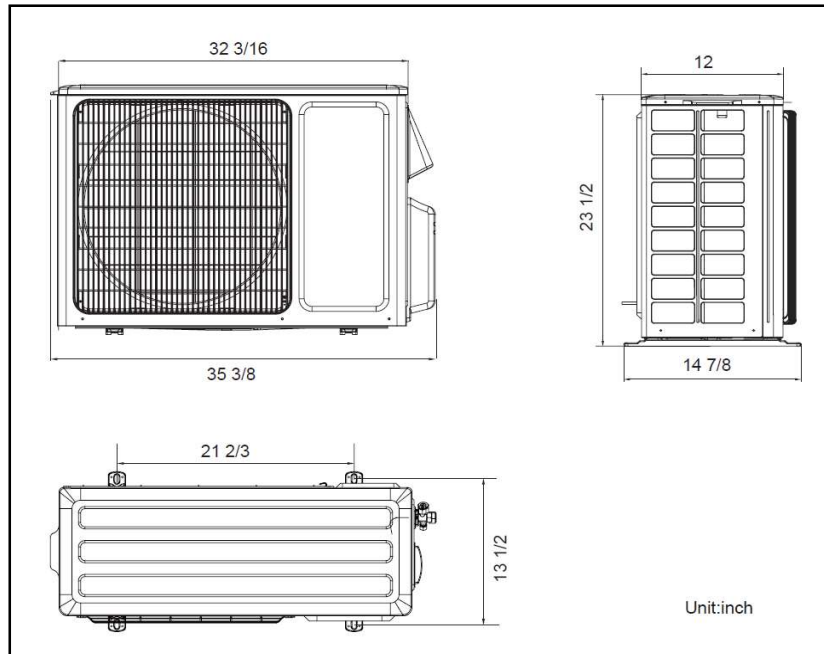
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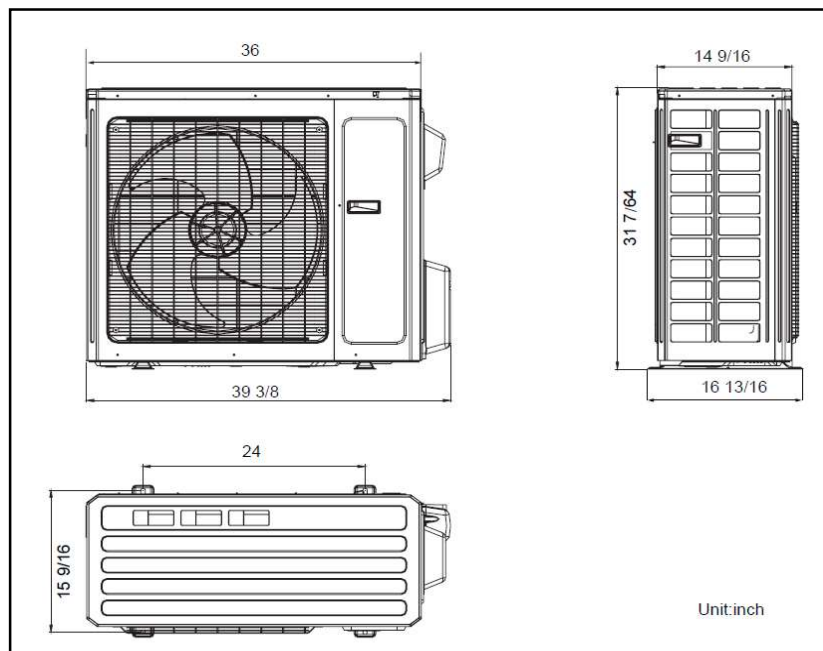
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## 9 & 12K Models



## 18 & 24K Models



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# Single Zone Ductless Heat Pump Systems • 38 SEER • Premier 38 Series



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## Product Specifications

Slim, stylish and elegant, these ductless wall mount heat pump units feature 38 SEER efficiency, inverter driven compressor technology, LED display, wireless remote control, and utilizes environmentally friendly R410A refrigerant. These Tosot branded systems come with the addition of built in Wi-Fi, crankcase heater, auto fan swing & fan delay functions and base pan heater. Each ductless indoor unit is designed to heat or cool a single room, while blending seamlessly into any decor. Available in 208/230 volt models only. Compatible with multi-zone ductless heat pump systems.



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- Control lock prevents tampering
- Smart 1 hertz inverter technology
- Permanent washable air filters
- Over-current protection
- Anti freeze protection
- IFEEL function – when active senses room temperature at location of remote for improved occupant comfort
- Optional wall mount control # XE-71
- Optional wall mount 7 day programmable premium controller # XK-76

Available Model	
Outdoor Unit No.	Indoor Unit No.
TW09HQ3D6D-O	TW09HQ3D6D-I
TW12HQ3D6D-O	TW12HQ3D6D-I
TW18HQ3D6D-O	TW18HQ3D6D-I
TW24HQ3D6D-O	TW24HQ3D6D-I

Model Number Nomenclature	
TW	Mainline
09/12/18/24	Nominal BTUH
HQ3	Efficiency level 3=38 SEER
D6	Panel design
D	D=208/230
-O/-I	Outdoor Unit/Indoor Unit

Note: Models are shipped branded as TOSOT

## Warranty

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## TECHNICAL SPECIFICATIONS

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TW18HQ3D6D-O	TW18HQ3D6D-I	4094-21837	4094-24566	24.5	13.53	12	3.5	208/230-1
TW24HQ3D6D-O	TW24HQ3D6D-I	6800-30700	6800-32000	21.5	13	12	3.5	208/230-1

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TW12HQ3D6D-O	TW12HQ3D6D-I	¼"	½"	49 Oz.	25'	66'	.2	32'
TW18HQ3D6D-O	TW18HQ3D6D-I	¼"	5/8"	74 Oz.	25'	100'	.5	65'
TW24HQ3D6D-O	TW24HQ3D6D-I	¼"	5/8"	81 Oz.	25'	164'	.5	98'

Outdoor Unit No.	Indoor Unit No.	MOP	MCA	ODU Sound Level	IDU Sound Level/Fan Speed	Indoor Weight	Outdoor Weight
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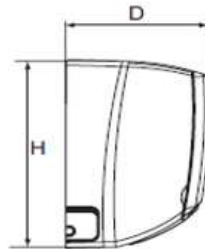
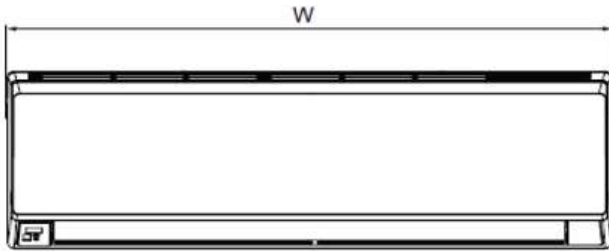
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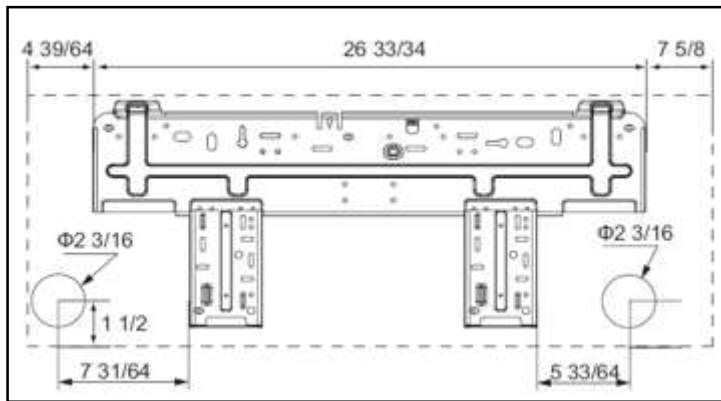
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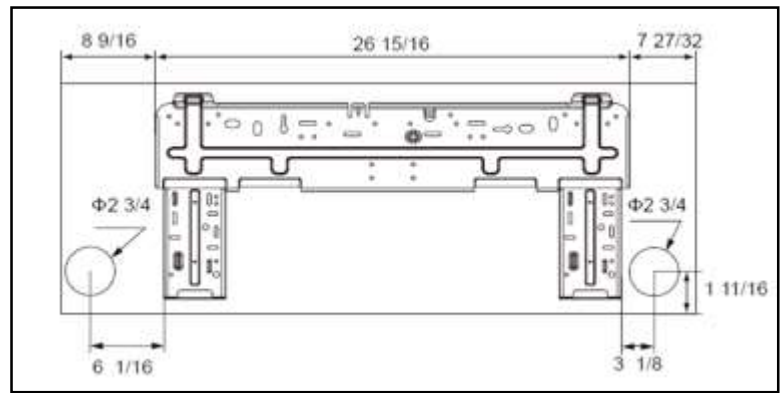


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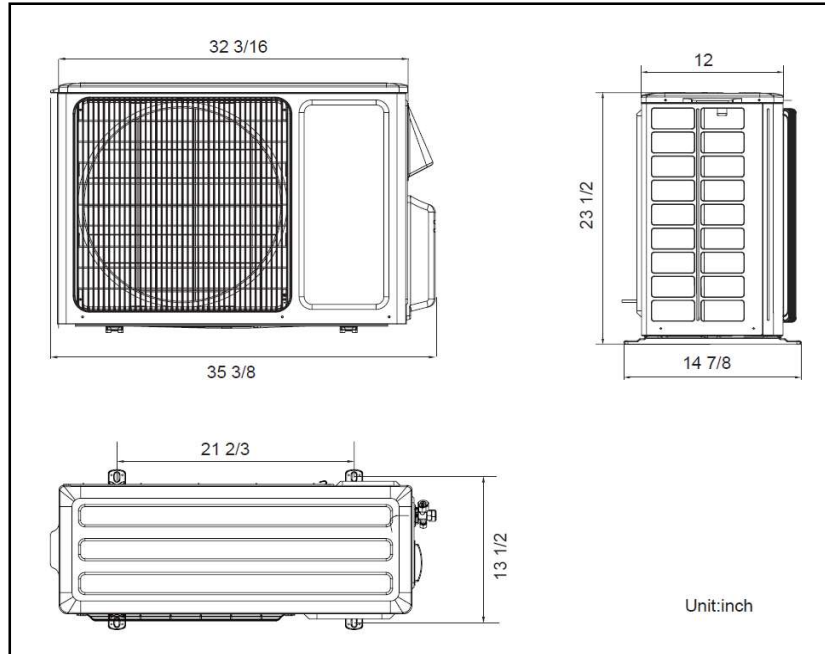
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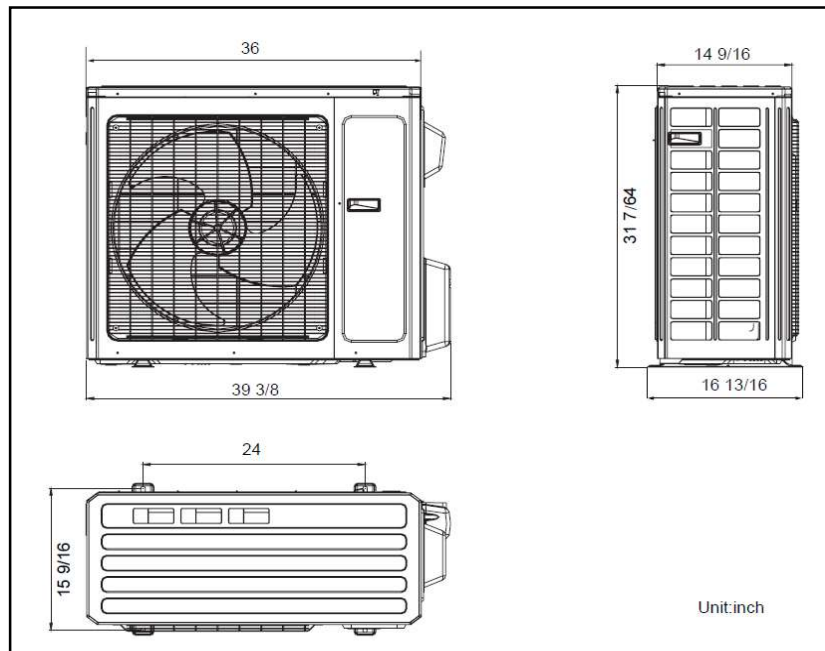
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