



TOSOT



MULTI ZONE

[TOSOTAMERICA.COM](https://tosotamerica.com)



TOSOT

YOUR TRUSTED COMPANION

Let us introduce ourselves. We are TOSOT Bathica. As your trusted companion, our role is to get you comfortably, efficiently, and reliably through the tough Canadian winters and the hot summer months. To achieve this, our team worked diligently identifying and analyzing four pillars of our global value package.

THOSE FOUR PILLARS ARE:

- › 1. Reliable and efficient equipment
- › 2. Support, Training and Education
- › 3. Logistics
- › 4. Communication

BENEFITS

- › ULTRA HEAT heatpumps are our most efficient heatpumps
- › Complete residential and light commercial line-up
- › Designed for the North American climate
- › Smart defrost, pan heaters and crankcase heaters
- › Certifications: AHRI and Energy Star

Each pillar represents several constituents that are constantly being improved to maximize value for our dealers and distribution partners. Aside from the equipment, this also sets us apart from the rest in terms of level of excellence.

In many cold-climate regions of the world, the husky represents performance and reliability in extreme conditions. Snow, our husky, represents these values and reminds you that TOSOT Bathica will be Your Trusted Companion.

GLOSSARY

AIRFLOW

A measure of the amount of air per unit of time that passes through the device. It is measured in CFM (cubic feet per minute).

COP

Stands for Coefficient of Performance. It is the ratio between the cooling or heating provided and the electrical power consumption.

EER

Stands for Energy Efficiency Rating. It measures the ratio of output power to the input power.

REFRIGERANT

A refrigerant is the substance used to «move» the heat outside (or inside) of the room where the device is. We use the refrigerant R-410A as it is environmentally friendly and allows for the design of smaller and more efficient systems compared to R-22.

BTU/h

BTU is the British thermal unit. It is the amount of energy needed to cool or heat 1 pound of water by 1° F. The BTU/h is the unit of power used in HVAC. It corresponds to approximately 0.29 Watt.

DEHUMIDIFICATION

A measure of the amount of water per unit of time that the device is able to extract from the ambient air. It is measured in litres per hour.

HSPF

Stands for Heating Seasonal Performance Factor. It is the ratio between the seasonal heating output and the electricity used.

SEER

Stands for Seasonal Energy Efficiency Ratio. It is the ratio between the seasonal cooling output and the electricity used.

SOUND PRESSURE LEVEL

Sound Pressure is the force of a sound on a surface perpendicular to its direction. It is measured in Pa (Pascal). The lowest sound pressure that can be heard is 2x10 Pa. The Sound Pressure Level is a comparison of the measured sound to the lowest sound pressure hearable. The units are expressed in terms of dB (decibel) which is not linear, that is, if the pressure is Doubled, the Sound Pressure Level increases by 6dB. For example, the lowest hearable sound is 0dB while a quiet room is 40dB.

OUTDOOR
UNITS

MULTI ZONE
HEAT PUMPS

SEER 23
18,000 BTU TO 42,000 BTU

ULTRA HEAT



- › Heating down to -30° C/-22° F
- › Built-In Drain Pan Heater



MODEL			TM18H5-O	TM24H5-O	TM36H5-O	TM42H5-O
Number of ports			2 ports	3 ports	4 ports	5 ports
Capacity	Cooling	BTU/h	18,000 (6,998 - 21,000)	22,000 (7,500 - 33,000)	36,000 (8,871 - 42,650)	42,000 (8,871 - 42,991)
	Heating	BTU/h	21,000 (7,000 - 26,000)	26,000 (7,650 - 31,000)	36,000 (8,871 - 42,514)	42,000 (8,871 - 46,062)
SEER			23	23	23	23
HSPF/COP			10.5/3.6	10.5/3.66	10/3.21	10/3.42
Power Supply			208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz
Airflow		PCM/CFM	2,530	2,530	3,060	3,060
Operating Range	Cooling	°C	-18 ~ 48	-18 ~ 48	-18 ~ 46	-18 ~ 48
		°F	0 ~ 118	0 ~ 118	0 ~ 115	0 ~ 118
	Heating	°C	-35 ~ 24	-35 ~ 24	-35 ~ 24	-35 ~ 24
		°F	-31 ~ 75	-31 ~ 75	-31 ~ 75	-31 ~ 75
Sound Pressure Level		dB(A)	58	60	62	62
Piping Connection	Liquid	in.	2 x 1/4	3 x 1/4	4 x 1/4	5 x 1/4
	Gaz	in.	2 x 3/8	3 x 3/8	4 x 3/8	5 x 3/8
Dimensions (W x H x D)		in.	36.22 x 31.1 x 15	36.2 x 31.1 x 14.6	40 x 43.5 x 17.3	40 x 43.5 x 17.3
Net Weight		lb	172	174	280	282
Max. Total Piping		ft.	164	229.6	246.0	246.0
Max. Single Distance		ft.	82	82	82	82.0
Max. Elevation		ft.	26	26	49.2	49.2
Refrigerant Charge		lb	4.85	6	10	11
MOP/MCA		A	35/23	40/23	60/36	60/38

* Energy star with every head combination except **TOSOT U3**

22-20.5 SEER

18,000 BTU TO 56,000 BTU

MULTI ZONE HEAT PUMPS

OUTDOOR UNITS



› Heating down to -20° C/-5° F



Branch box(es) and
wye joint(s) required
(sold separately)

MODEL			TM18H4-O	TM24H4-O	TM30H4-O	TM36H4-O	TM42H3-O	TM48H2-O	TM56H2-O
Number of ports			2 ports	3 ports	4 ports	5 ports	5 ports	8 ports	9 ports
Capacity	Cooling	BTU/h	18,000 (6,998 - 21,000)	24,000 (7,500 - 33,000)	28,400 (8,188 - 33,438)	34,000 (8,871 - 35,826)	39,000 (8,871 - 40,944)	48,000 (3,410 - 54,590)	53,000 (3,410 - 61,420)
	Heating	BTU/h	19,000 (7,000 - 22,600)	26,000 (7,500 - 27,978)	30,000 (8,189 - 32,414)	42,500 (8,871 - 44,356)	45,000 (8,871 - 46,062)	54,500 (4,090 - 58,000)	61,500 (4,090 - 63,120)
SEER			22	21	21	21	21	16	16
HSPF/COP			10.5/3.66	10.5/3.72	10.5/3.74	10.5/3.70	10.2/3.61	8.20	8.20
Power Supply			208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph
Airflow		PCM/ CFM	1,883	2,354	2,354	4,531	4,531	3,766.40	4,119.50
Operating Range	Cooling	°C	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48	-5 ~ 43	-5 ~ 43
		°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	23 ~ 109	23 ~ 109
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 30	-20 ~ 30	-20 ~ 30	-20 ~ 20	-20 ~ 20
		°F	-5 ~ 75	-5 ~ 75	-5 ~ 86	-5 ~ 86	-5 ~ 86	-5 ~ 68	-5 ~ 68
Sound Pressure Level		dB(A)	56	58	59	61	61	65	67
Piping Connection	Liquid	in.	2 x 1/4	3 x 1/4	4 x 1/4	5 x 1/4	5 x 1/4	3/8	3/8
	Gas	in.	2 x 3/8	3 x 3/8	4 x 3/8	5 x 3/8	5 x 3/8	5/8	5/8
Dimensions (W x H x D)		in.	37.6 x 27.5 x 15.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	42.8 x 43.4 x 17.3	42.8 x 43.4 x 17.3	53.14 x 35.44 x13.39	53.14 x 35.44 x13.39
Net/Gross Weight		lb	114.4/125	152.9/164.2	154.0/169	198.0/216	198.4/216	255.74	255.74
Max. Total Piping		ft.	65.6	196.8	229.6	246.0	246.0	443	476
Max. Single Distance		ft.	49	65.6	82.0	82.0	82.0	180	180
Max. Elevation		ft.	49	49	49.2	49.2	49.2	98	98
Refrigerant Charge		lb	3.5	4.8	6.2	8.0	8.0	25	25
MOCP		A	25	30	30	35	40	30	30

INDOOR UNITS

MULTI ZONE HEAT PUMPS

EASY INSTALLATION WALLMOUNT 9,000 BTU TO 24,000 BTU



THERMOSTAT
(Optional)
XE71

› Optional wall thermostat



**YOUR TRUSTED
COMPANION**

- › LED display
- › Wireless remote included

- › Rebates available with every utility company in North America
- › Optional Wifi

MODEL		TW09HQ2C2D-I	TW12HQ2C2D-I	TW18HQ2C2D-I	TW24HQ2C2D-I
Cooling/Heating Capacity	BTU/h	9,000/11,000	12,000/13,000	18,000/19,800	22,000/23,000
Sound Pressure Level (L/H)	dB(A)	29/43	29/45	39/47	36/48
Dehumidification	l/h	0.8	1.4	1.8	2.0
Airflow (L/H)	PCM/CFM	171/377	171/400	335/559	530/706
Dimensions (W x H x D)	in.	33.4 x 11.4 x 8.2	33.4 x 11.4 x 8.2	38.2 x 11.8 x 8.8	42.4 x 12.8 x 9.7
Net/Gross Weight	lb	22.1/26.5	22.1/26.5	27.6/34.2	34.2/41.9
Piping Connection	Liquid	in. 1/4	in. 1/4	in. 1/4	in. 1/4
	Gas	in. 3/8	in. 1/2	in. 5/8	in. 5/8

FLOOR WARMING FUNCTION CONSOLE 9,000 BTU TO 18,000 BTU

- › LED display
- › Wireless remote included
- › Rebates available with every utility company in North America



MODEL		TM09HED-I	TM12HED-I	TM18HED-I
Cooling/Heating Capacity	BTU/h	9,000/9,500	12,000/13,000	18,089/19,795
Sound Pressure Level (L/H)	dB(A)	25/40	27/43	32/48
Dehumidification	l/h	0.8	1.4	1.8
Airflow (L/H)	PCM/CFM	188/382	206/441	220/465
Dimensions (W x H x D)	in.	27.6 x 23.6 x 8.5	27.6 x 23.6 x 8.5	27.6 x 23.6 x 8.5
Net/Gross Weight	lb	33.1/39.7	33.1/39.7	33.1/39.7
Piping Connection	Liquid	in. 1/4	in. 1/4	in. 1/4
	Gas	in. 3/8	in. 3/8	in. 1/2

WIDE AIR DISCHARGE
FLOOR-CEILING
 9,000 BTU TO 24,000 BTU

MULTI ZONE
 HEAT PUMPS

INDOOR
 UNITS



- > LED display
- > Rebates available with every utility company in North America
- > Wired controller + Wireless remote



MODEL		TM09HTD-I	TM12HTD-I	TM18HTD-I	TM24HTD-I
Cooling/Heating Capacity	BTU/h	8,500/9,500	11,900/13,100	17,000/18,700	22,800/27,400
Sound Pressure Level (L/H)	dB(A)	36/40	36/40	40/45	44/48
Dehumidification	l/h	0.8	1.4	1.8	2.5
Airflow (L/H)	PCM/CFM	265/383	265/383	294/559	412/736
Dimensions (W x H x D)	in.	48.0 x 27.6 x 8.9	48.0 x 27.6 x 8.9	48.0 x 27.6 x 8.9	48.0 x 27.6 x 8.9
Net/Gross Weight	lb	88.1/110.2	88.1/110.2	88.1/110.2	99.2/119
Piping Connection	Liquid	in.	1/4	1/4	3/8
	Gas	in.	3/8	3/8	5/8

BREEZE FREE DISCHARGE
CASSETTE
 12,000 BTU TO 24,000 BTU

MULTI ZONE
 HEAT PUMPS

INDOOR
 UNITS



- > Internal condensate pump
- > Wired controller & wireless remote
- > Internal condensate pump



MODEL		TM12HBKD-I	TM18HBKD-I	TM24HBKD-I
Cooling/Heating Capacity	BTU/h	12,000/13,000	15,354/17,000	22,800/27,400
Sound Pressure Level (L/H)	dB(A)	42/46	42/46	35/39
Dehumidification	l/h	1.8	2.5	2.8
Airflow (L/H)	PCM/CFM	265/353	265/353	500/694
Dimensions (W x H x D)	Corps	in.	23.24 x 9.5 x 23.5	23.25 x 9.5 x 23.5
	Panneau	in..	25.5 x 1.9 x 25.5	25.5 x 1.9 x 25.5
Net/Gross Weight	lb	39.6/51	39.6/51	62/78
Piping Connection	Liquid	in.	1/4	1/4
	Gas	in.	3/8	1/2

INDOOR
UNITS

MULTI ZONE
HEAT PUMPS

POWERFUL & CONCEALED

SLIMDUCT

9,000 BTU TO 24,000 BTU



**THERMOSTAT
XK19**



**YOUR TRUSTED
COMPANION**

- > LED display
- > Wall thermostat & wireless remote included
- > Internal condensate pump

LOW STATIC

MODEL		TM09HFD-I	TM12HFD-I	TM18HFD-I	TM24HFD-I
Cooling/Heating Capacity	BTU/h	8,500/9,500	11,900/13,100	15,300/18,700	23,800/27,400
Sound Pressure Level (L/H)	dB(A)	31/37	32/39	33/41	34/42
Dehumidification	l/h	0.8	1.4	1.8	2.5
Airflow (L/H)	PCM/CFM	147/265	176/324	294/412	324/588
Dimensions (W x H x D)	in.	27.6 x 7.9 x 24.2	27.6 x 7.9 x 24.2	35.4 x 7.9 x 24.2	43.3 x 7.9 x 24.2
Net/Gross Weight	lb	48.5/60	50.7/64	59.5/79	68.3/90
Piping Connection	Liquid	in.	1/4	1/4	3/8
	Gas	in.	3/8	3/8	5/8
PSE/ESP	in. WG	.025/.04	.030/.040	.032/.040	.035/.040

HIGH STATIC

MODEL		TMHS09HFD-I	TMHS12HFD-I	TMHS18HFD-I	TMHS24HFD-I
Cooling/Heating Capacity	BTU/h	9,000 /9,500	12,000/13,000	18,000/19,000	24,000/27,000
Sound Pressure Level (L/H)	dB(A)	25/46	26/48	26/49	28/52
Dehumidification	l/h	0.8	1.4	1.8	2.5
Airflow (L/H)	PCM/CFM	188/324	212/353	288/589	406/736
Dimensions (W x H x D)	in.	32.5 x 11.75 x 29.75	32.5 x 11.75 x 29.75	44.5 x 11.75 x 29.75	44.5 x 11.75 x 29.75
Net/Gross Weight	lb	71/80	71/80	93/100	93/100
Piping Connection	Liquid	in.	1/4	1/4	3/8
	Gas	in.	3/8	1/2	5/8
PSE/ESP	in. WG	0.6	0.6	0.8	0.8
Drain Line		1"	1"	1"	1"

Multi-Zone split systems are designed to provide comfort, uncompromising personal style, quiet operation and installation flexibility. Simply choose the type of indoor unit and capacity for each room, and then select your system from our matching outdoor/indoor unit combinations chart (below). For a complete list of matching combinations and capacities, please refer to www.tosotamerica.com or check with your TOSOT dealer/installer.

TM SERIES MULTI ZONE



MODEL TM18H4-O & TM18H5-O 5 COMBINATIONS

1 UNIT		2 UNITS	
9		9+9	
12		9+12	
		12+12	

MODEL TM30H4-O 16 COMBINATIONS

2 UNITS		3 UNITS		4 UNITS	
9+9	9+12	9+9+9	9+9+12	9+9+19	9+9+9+9
9+18	12+12	9+12+12	9+12+18	12+12+12	9+9+12+12
12+18	18+18	12+12+18			9+9+9+12

MODEL TM24H4-O & TM24H5-O 11 COMBINATIONS

2 UNITS		3 UNITS	
9+9	9+12	9+9+9	9+12+12
9+18	12+12	9+9+12	9+9+18
12+18	18+18	12+12+12	

MODEL TM36H5-O 34 COMBINATIONS

2 UNITS		3 UNITS		4 UNITS	
9+9	12+18	9+9+9	9+12+18	12+12+12	9+12+12+12
9+12	12+24	9+9+12	9+12+24	12+12+18	12+12+18
9+18	18+18	9+9+18	9+18+18	12+12+24	12+12+24
9+24	18+24	9+9+24	9+18+24	12+18+18	12+18+18
12+12	24+24	9+12+12	9+12+24	18+18+18	18+18+18

MODEL TM36H4-O 34 COMBINATIONS

2 UNITS		3 UNITS		4 UNITS		5 UNITS	
9+9	12+18	9+9+9	9+12+18	12+12+12	9+9+9+9	9+9+12+18	9+9+9+9+9
9+12	12+24	9+9+12	9+12+24	12+12+18	9+9+9+12	9+9+18+18	9+9+9+9+12
9+18	18+18	9+9+18	9+18+18	12+12+24	9+9+9+18	9+12+12+12	
9+24	18+24	9+9+24	9+18+24	12+18+18	9+9+9+24	9+12+12+18	
12+12	24+24	9+12+12	9+12+24	18+18+18	9+9+12+12	12+12+12+12	

MODEL TM42H3-O & TM42H5-O 57 COMBINATIONS

2 UNITS		3 UNITS		4 UNITS		5 UNITS	
9+12	12+24	9+9+9	9+12+24	12+12+24	9+9+9+9	9+12+18+18	9+9+9+9+18
9+18	18+18	9+9+12	9+18+18	12+18+18	9+9+9+12	9+18+18+18	9+9+12+12+12
9+24	18+24	9+9+18	9+18+24	12+18+24	9+9+9+18	9+9+18+24	9+9+9+9+18
12+12	24+24	9+9+24	9+24+24	12+24+24	9+9+9+24	9+12+12+12	9+9+9+9+24
12+18		9+12+12	12+12+12	18+18+18	9+9+12+12	9+12+12+18	9+9+9+12+12
		9+12+18	12+12+18	18+18+24	9+9+12+18	9+12+12+24	9+9+9+12+18
					9+9+12+18	9+12+12+24	12+12+12+12

MODEL TM48H2O 90 COMBINATIONS

2 UNITS		3 UNITS		4 UNITS		5 UNITS		6 UNITS		7 UNITS	
9+18	9+9+9	12+12+12	9+9+9+9	9+12+12+12	12+12+12+18	9+9+9+9+9	9+9+12+12+24	9+9+9+9+9+9	9+9+9+9+9+9	9+9+9+9+9+9+9	
9+24	9+9+12	12+12+18	9+9+9+12	9+12+12+18	12+12+12+24	9+9+9+9+12	9+9+12+18+18	9+9+9+9+9+12	9+9+9+9+9+12	9+9+9+9+9+9+12	
12+12	9+9+18	12+12+24	9+9+9+18	9+12+12+24	12+12+18+18	9+9+9+9+18	9+9+12+18+24	9+9+9+9+9+18	9+9+9+9+9+18	9+9+9+9+9+9+18	
12+18	9+9+24	12+18+18	9+9+9+24	9+12+12+18	12+12+18+24	9+9+9+9+24	9+9+12+12+12	9+9+9+9+9+24	9+9+9+9+9+24	9+9+9+9+9+12+12	
12+24	9+12+12	12+18+24	9+9+12+12	9+12+18+24	12+12+24+24	9+9+9+12+12	9+12+12+12+18	9+9+9+9+12+12	9+9+9+9+12+12	9+9+9+9+12+12+12	
18+18	9+12+18	12+24+24	9+9+12+18	9+12+24+24	12+18+18+18	9+9+9+12+18	9+12+12+24+24	9+9+9+9+12+18	9+9+9+9+12+18	9+9+9+9+12+18+18	
18+24	9+12+24	18+18+18	9+9+12+24	9+18+18+18	12+18+18+24	9+9+9+12+24	9+12+12+18+18	9+9+9+9+12+24	9+9+9+9+12+24	9+9+9+9+12+24+24	
24+24	9+18+18	18+18+24	9+9+18+18	9+18+18+24		9+9+9+18+18	12+12+12+12+12	9+9+9+12+12+12	9+9+9+12+12+12	9+9+9+12+12+12+12	
	9+18+24	24+24+24	9+9+18+24	12+12+12+12		9+9+9+18+24	12+12+12+12+18	9+9+9+12+12+18	9+9+9+12+12+18	9+9+9+12+12+12+12	
	9+24+24					9+9+12+12+18	12+12+12+18+18	9+9+9+12+12+18	9+9+9+12+12+18	9+9+9+12+12+12+18	

MODEL TM56H2O 131 COMBINATIONS

2		3 UNITS		4 UNITS		5 UNITS		6 UNITS	
9+18	9+9+12	9+18+24	12+18+24	9+9+9+9	9+9+18+24	9+18+18+18	12+12+18+24	9+9+9+9+9	9+9+9+12+18
9+24	9+9+18	9+24+24	12+24+24	9+9+9+12	9+9+24+24	9+18+18+24	12+12+24+24	9+9+9+9+12	9+9+12+18+24
12+18	9+9+24	12+12+12	18+18+18	9+9+9+18	9+12+12+12	9+18+24+24	12+18+18+18	9+9+9+9+18	9+9+12+24+24
12+24	9+12+12	12+12+18	12+18+24	9+9+9+24	9+12+12+18	9+24+24+24	12+18+18+24	9+9+9+9+24	9+9+12+12+12
18+18	9+12+18	12+12+24	18+24+24	9+9+12+12	9+12+12+24	9+12+12+12	12+18+24+24	9+9+9+9+12+12	9+9+12+12+18
18+24	9+12+24	12+18+18	24+24+24	9+9+12+18	9+12+18+18	12+12+12+18	18+18+18+18	9+9+9+9+12+18	9+9+12+12+12+12
24+24	9+18+18			9+9+12+24	9+12+18+24	12+12+12+24	18+18+18+24	9+9+9+9+12+24	9+9+12+12+12+12
				9+9+18+18	9+12+24+24	12+12+18+18		9+9+9+9+12+24	9+9+12+12+12+12
								9+9+9+9+18+18	9+9+12+12+12+12
								9+9+9+9+18+24	9+9+12+12+12+12
								9+9+9+9+18+24	9+9+12+12+12+12

MODEL TM56H2O

7 UNITS		8 UNITS		9 UNITS	
9+9+9+9+9+9+9	9+9+9+9+9+12+18	9+9+9+12+12+12+12	9+9+9+9+9+9+9+9	9+9+9+9+9+9+9+9	
9+9+9+9+9+9+12	9+9+9+9+9+12+24	9+9+9+12+12+12+18	9+9+9+9+9+9+9+12		
9+9+9+9+9+9+18	9+9+9+9+9+18+18	9+9+12+12+12+12+12	9+9+9+9+9+9+9+18		
9+9+9+9+9+9+24	9+9+9+9+12+12+12	9+12+12+12+12+12+12	9+9+9+9+9+9+12+12		
9+9+9+9+9+12+12	9+9+9+9+12+12+18	9+9+9+9+9+9+12+12+12			

NOTES

Lined writing area with 20 horizontal lines.



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