



# TOSOT





# 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.





SINGLE-ZONE LOMOPLUS HEAT PUMPS  
**38-21.5 SEER INVERTER**  
 9,000 BTU TO 24,000 BTU

**ULTRA HEAT**

**OUR MOST EFFICIENT HEAT PUMP**



"I feel"



**THERMOSTAT**  
 (Optional)  
**XE71**



- > Superheat (2 stages)
- > Wi-Fi ready
- > LED display
- > 80% heating capacity at -30° C / -22° F
- > 100% heating capacity at -20° C / -4° F

- > Low ambient cooling at -15° C / 5° F
- > Optional wall thermostat
- > Also available in Multi-Zone
- > Rebates available with every utility company in North America

MODEL		TW09HQ3D6D	TW12HQ3D6D	TW18HQ3D6D	TW24HQ3D6D	TW36HQ3B2D*
Power Supply		208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph
Rated Current Cooling	A	6.2	6.5	10.8	16.4	14,7
Rated Current Heating	A	6.9	6.9	10.8	16.4	14,6
<b>SYSTEM PERFORMANCE</b>						
Dehumidification	l/h	0.8	1.4	1.8	2.46	3,5
Cooling Capacity	BTU/h	9,000 (1,535 - 12,996)	12,000 (2,900 - 15,354)	18,000 (4,094 - 21,837)	22,000 (6,800 - 30,700)	33,000 (8,800--40,900_
Heating Capacity	BTU/h	9,000 (2,388 - 13,648)	12,200 (3,071 - 18,766)	18,000 (4,094 - 24,566)	24,000 (6,800 - 32,000)	34,600 (16,700-49,400)
SEER/EER		38 / 16.50	30.5 / 15.30	24.5 / 13.53	21.5 / 13.00	23
HSPF/COP		15 / 4.40	14 / 3.80	12 / 3.50	12 / 3.5	10,5
<b>INDOOR UNIT</b>						
		<b>TW09HQ3D6D-I</b>	<b>TW12HQ3D6D-I</b>	<b>TW18HQ3D6D-I</b>	<b>TW24HQ3D6D-I</b>	
Airflow (L/H)	PCM / CFM	206 / 424	235 / 500	353 / 736	383 / 824	441/824
Sound Pressure Level (L/H)	dB(A)	19 / 43	22 / 49	34 / 51	34 / 52	36/55
Unit Dimensions (WxHxD)	in.	39.2 x 11.8 x 8.8	39.2 x 11.8 x 8.8	43.3 x 12.8 x 9.8	43.3 x 12.8 x 9.8	53.1 x 12.8 x 10
Net/Gross Weight	lb	29.8 / 36.4	29.8 / 36.4	36.4 / 44.1	36.4 / 43	42 / 50
<b>OUTDOOR UNIT</b>						
		<b>TW09HQ3D6D-O</b>	<b>TW12HQ3D6D-O</b>	<b>TW18HQ3D6D-O</b>	<b>TW24HQ3D6D-O</b>	
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Sound Pressure Level	dB(A)	53	53	59	59	63
Unit Dimensions (WxHxD)	in.	35.3 x 23.4 x 14.8	35.3 x 23.4 x 14.8	38.5 x 31.1 x 16.8	38.5 x 31.1 x 16.8	43.5 x 43.5 x 17.3
Net/Gross Weight	lb	99.2 / 105.8	99.2 / 105.8	141.1 / 152.1	147.7 / 158.8	254/274
Refrigerant/Charge	oz.	R410A / 45.9	R410A / 49.4	R410A / 74.1	R410A / 81.1	R410A/123.5
Line Set Size (Liquid - Gas)	in.	1/4" - 1/2"	1/4" - 1/2"	1/4" - 5/8"	1/4" - 5/8"	1/4" - 5/8"
Max. Pipe Length	ft.	98.4	98.4	131.2	164	165
Max. Elevation	ft.	49.2	49.2	65.6	98.4	100
MCA	A	9	9	22	22	32
MOCP	A	15	15	30	35	50
Wire Size/# Wires			14 AWG*4 Stranded, unshielded			14/4

\*Wifi optional, commercial series.

# 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	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 had combination except for slimduct

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

MULTI ZONE  
 HEAT PUMPS

INDOOR  
 UNITS



**THERMOSTAT**  
 (Included)  
**MC20700140**  
 (XK19)



**YOUR TRUSTED  
 COMPANION**

- > LED display
- > Wall thermostat included

- > 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)	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



**THERMOSTAT**  
 (Included)  
**MC20700140**  
 (XK19)



**YOUR TRUSTED  
 COMPANION**

- > Internal condensate pump
- > Wired controller
- > Internal condensate pump

MODEL		TM12HKD-I	TM18HKD-I	TM24HKD-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.	22.4 x 9.1 x 22.4	22.4 x 9.1 x 22.4
	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

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
- > Rebates available with every utility company in North America

## 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		TM09HSFDI	TM12HSFDI	TM18HSFDI	TM24HSFDI
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"





# TOSOT

