



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 heat-pumps
- › 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.



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APEX DC INVERTER

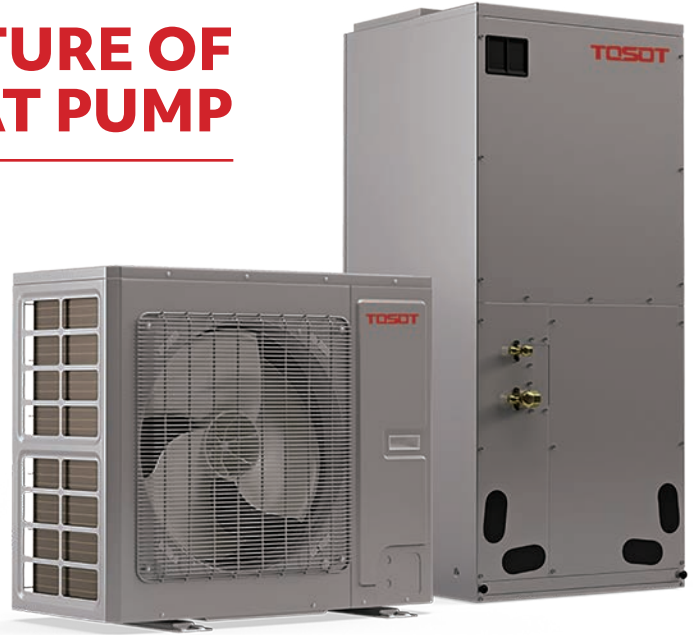
UP TO 20 SEER /17 SEER2

INVERTER SIDE DISCHARGE CENTRAL HEAT PUMP

THE FUTURE OF THE HEAT PUMP



YOUR TRUSTED COMPANION



EXTREME CLIMATE PERFORMANCE ULTRAHEAT & ULTRACOOOL TECHNOLOGY

Heating Performance*: 100% Capacity at -5°F/-20°C and 78% Capacity at -22°F*/-30°C

Cooling Performance*: 100% Capacity at 115°F/46°C and 78% Capacity at 130°F/54°C

*based on 2 Ton model



THERMOSTAT COMPATIBILITY UNIVERSAL THERMOSTAT OPTIONS

Compatible with any third party thermostat including NEST®



UNIVERSAL SYSTEM INSTALL WITH ANY 3RD PARTY AIR HANDLER OR FURNACE

Replaces larger/louder outdoor unit and increase conventional heat pump performance ranges and efficiency for All-Climate applications.



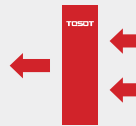
RELIABLE COMFORT INVERTER COMPRESSOR

The APEX DC Inverter moderates operating load, heating & cooling with less fluctuation for more comfortable climate control, extending component life for fewer breakdowns.



ENERGY EFFICIENT UP TO 17 SEER

The APEX DC Inverter moderates operating load, increasing efficiency for lower operating costs for both cooling and heating.



SIDE DISCHARGE NO CLOGGING/LESS SPACE

The APEX takes half the area and, unlike conventional condensers, doesn't fill up with leaves, snow and debris.



QUIET OPERATION IDEAL FOR SOUND RESTRICTIONS AND OUTDOOR PIECE OF MIND.

For every 10 Decibels (dBa) a sound is twice as loud - making the APEX Series at 55 dB(a) less than half as loud as a conventional top discharge condenser at 73 dB(a).



CORROSION RESISTANT GOLD FIN CONDENSER

Live on the coast? Don't worry, our condenser is built to resist long term corrosion.



SLIM DESIGN IDEAL FOR ZERO LOT LINES

Side discharge design takes less than half the area of conventional condensers. Perfect for city lots and between building applications where access and space is limited.

APEX CENTRAL HEAT PUMPS
20-17.5 SEER INVERTER
 24,000 BTU TO 60,000 BTU

ULTRA HEAT 



- › High And Low Pressure Protection Features
- › 24V Controls Compatibility
- › Overload Protection Features
- › Field Adjustable Capacity
- › Up to 100% Heating Capacity at -20° C/-4° F
- › Universal Indoor Unit Compatibility
- › Up to 78% Heating Capacity at -30° C/-22° F
- › Built-In Drain Pan Heater
- › Intelligent Defrost
- › Multi-position Air Handler, Up flow, Left/Right Horizontal, and down flow (w/optional down flow kit)

OUTDOOR UNIT			TU36-24WADU		TU60-48WADU	
CAPACITY			24K	36K	48K	60K
CAPACITY (MIN-RATED-MAX)	Cooling	BTU/h	12,000-24,000-24,000	18,000-36,000-37,000	34,000-48,000-48,000	35,000-54,000-54,000
	Heating	BTU/h	12,000-24,000-30,000	18,000-36,000-38,000	34,000-48,000-52,000	35,000-54,000-60,000
SEER/SEER2			20/17	18/16	18/17	17/15.8
EER		(BTU/h)/w	10	10	11	10
HSPF2/COP			9/4	9/3	9/3.4	9/3.4
REFRIGERANT CHARGE		oz	148		220.5	
PIPING CONNECTION	Liquid	in.	Φ 3/8		Φ 3/8	
	Gas	in.	3/4		3/4	
MAX TOTAL PIPING		ft.	98		100	
MAX. ELEVATION		ft.	50		50	
SOUND PRESSURE LEVEL		dB(A)	52/55		58/60	
NET WEIGHT		lb	217		308	
POWER SUPPLY			208-230V/60Hz		208-230V/60Hz	
COMMUNICATION WIRE SIZE			AWG 18/5		AWG 18/5	
MOP/MCA		A	35/24		45/35	
COOLING RATED AMPS		A	21		30	
HEATING RATED AMPS		A	25		31	
COMPRESSOR TYPE			Inverter Rotary		Inverter Rotary	
DIMENSIONS (W X H X D)		in.	37 x 32 1/4 x 19 1/8		42 3/4 x 53 5/8 x 16 7/8	

AIR HANDLER			TUD36-24AH2ADU		TUD60-24AH2ADU	
COOLING CAPACITY		BTU/h	24,000	36,000	48,000	54,000
HEATING CAPACITY		BTU/h	24,000	36,000	48,000	60,000
POWER SUPPLY		V/Ph/Hz	208/230V~1~60Hz	208/230V~1~60Hz	208/230V~1~60Hz	208/230V~1~60Hz
POWER CONSUMPTION		W	273	373	746	746
AIRFLOW		PCM/CFM	960	1,000	1,380	1,600
ESP		in. W.G.	1.0	1.0	1.0	1.0
SOUND PRESSURE LEVEL		dB(A)	45	47	50	51
PIPING CONNECTION	Liquid	in.	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8
	Gas	in.	Φ 3/4	Φ 3/4	Φ 3/4	Φ 3/4
DIMENSIONS (W X H X D)		in.	21 1/4 x 48 1/4 x 21 1/4	21 1/4 x 48 1/4 x 21 1/4	24 3/4 x 57 x 24 1/4	24 3/4 x 57 x 24 1/4
NET WEIGHT		lb	156	156	202	202

UP TO 15.5 SEER2

INVERTER SIDE DISCHARGE CENTRAL HEAT PUMP

AFFORDABLE COMFORT

2-5 TONS APEX LIGHT

- > High And Low Pressure Protection Features
- > 24V Controls Compatibility
- > Overload Protection Features
- > Multi-position Air Handler. Up flow and left/right horizontal.



YOUR TRUSTED COMPANION



OUTDOOR UNIT		TUD24W2DDU	TUD30W2DDU	TUD36W2DDU
CAPACITY		24K	30K	36K
COOLING CAPACITY (MIN-RATED-MAX)	BTU/h	7,000-23,000-23,000	7,600-28,600-28,600	9,900-34,000-34,000
HEATING CAPACITY (MIN-RATED-MAX)	BTU/h	5,100-23,000-23,000	6,800-28,600-28,600	7,700-34,000-34,000
SEER2	--	15.5	15.2	15.5
EER	(BTU/h)/w	10.5	10	11.5
HSPF2/COP	10	7.8 / 3.08	7.8 / 2.93	7.7 / 2.93
REFRIGERANT CHARGE	oz	70.6	77.6	105.8
LIQUID PIPE DIA	in.	φ 3/8	φ 3/8	φ 3/8
GAS PIPE DIA	in.	φ 3/4	φ 3/4	φ 3/4
MAX TOTAL PIPING	ft.	98.4	98.4	164
MAX. ELEVATION	ft.	49.2	49.2	98.4
SOUND PRESSURE LEVEL	dB(A)	56	58	60
NET WEIGHT	lb	99.25	119.1	132.52
POWER SUPPLY	--	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz
COMMUNICATION WIRE SIZE	--	AWG 18/5	AWG 18/5	AWG 18/5
MOP/MCA	A	30/19.5	35 / 25	40 / 25
COMPRESSOR TYPE	--	Inverter Rotary	Inverter Rotary	Inverter Rotary
DIMENSIONS (W X H X D)	in.	(35 × 25-7/8 × 13-3/8)	(36-5/16 × 29-3/8 × 14-9/16)	(36-5/16 × 29-3/8 × 14-9/16)

AIR HANDLER		TUD24AH2DDU	TUD30AH2DDU	TUD36AH2DDU
COOLING CAPACITY	BTU/h	23,000	28,600	34,000
HEATING CAPACITY	BTU/h	23,000	28,600	34,000
POWER SUPPLY	V/Ph/Hz	208/230V~1~60Hz	208/230V~1~60Hz	208/230V~1~60Hz
MAXIMUM OVERCURRENT PROTECTION	A	15	15	15
AIRFLOW	CFM	800	900	1050
ESP	in. W.G.	0 ~ 1.0	0 ~ 1.0	0 ~ 1.0
SOUND PRESSURE LEVEL	dB(A)	47	51	51
LIQUID PIPE DIA	in.	φ 3/8	φ 3/8	φ 3/8
GAS PIPE DIA	in.	φ 3/4	φ 3/4	φ 3/4
DIMENSIONS (W X H X D)	in.	(18-1/8 × 43-1/2 × 21 1/4)	(18-1/8 × 43-1/2 × 21 1/4)	(21-1/4 × 48-3/16 × 21-1/4)
NET WEIGHT	lb	125.7	125.7	154.3

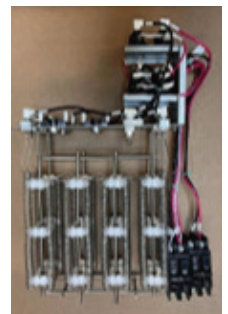
APEX LIGHT
UP TO 15.5 SEER 2
INVERTER SIDE DISCHARGE CENTRAL HEAT PUMP



3.5-5 TONS APEX LIGHT

OUTDOOR UNIT		TUD42W2DDU	TUD48W2DDU	TUD60W2DDU
CAPACITY		42K	48K	60K
COOLING CAPACITY	BTU/h	10,200-40,000-40,000	11,500-46,000-46,000	14,300-54,000-54,000
HEATING CAPACITY	BTU/h	9,800-40,000-40,000	9,800-46,000-46,000	13,100-54,000-54,000
SEER2	--	15.5	15	15.2
EER	(BTU/h)/w	10	8.6	10
HSPF2/COP	10	7.8 / 2.82	7.7 / 2.72	7.8 / 2.93
REFRIGERANT CHARGE	oz	123.5	158.8	197.6
LIQUID PIPE DIA	in.	Φ 3/8	Φ 3/8	Φ 3/8
GAS PIPE DIA	in.	Φ 3/4	Φ 3/4	Φ 3/4
MAX TOTAL PIPING	ft.	164	164	164
MAX. ELEVATION	ft.	98.4	98.4	98.4
SOUND PRESSURE LEVEL	dB(A)	62	63	65
NET WEIGHT	lb	132.52	164.2	200.6
POWER SUPPLY	--	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz
COMMUNICATION WIRE SIZE	--	AWG 18/5	AWG 18/5	AWG 18/5
MOP/MCA	A	40 / 29	60 / 42	60 / 46
COMPRESSOR TYPE	--	Inverter Rotary	Inverter Rotary	Inverter Rotary
DIMENSIONS (W X H X D)	in.	(37-1/8 x 32-1/2 x 14-9/16)	(37-1/8 x 32-1/2 x 14-9/16)	(39 x 37-13/16 x 14-9/16)
AIR HANDLER		TUD42AH2DDU	TUD48AH2DDU	TUD60AH2DDU
COOLING CAPACITY	BTU/h	40,000	46,000	54,000
HEATING CAPACITY	BTU/h	40,000	46,000	54,000
POWER SUPPLY	V/Ph/Hz	208/230V~1~60Hz	208/230V~1~60Hz	208/230V~1~60Hz
MAXIMUM OVERCURRENT PROTECTION	A	15	15	15
AIRFLOW	CFM	1230	1400	1500
ESP	in. W.G.	0~1.0	0~1.0	0~1.0
SOUND PRESSURE LEVEL	dB(A)	53	53	54
LIQUID PIPE DIA	in.	Φ 3/8	Φ 3/8	Φ 3/8
GAS PIPE DIA	in.	Φ 3/4	Φ 3/4	Φ 3/4
DIMENSIONS (W X H X D)	in.	(21-1/4 x 48-3/16 x 21-1/4)	(24-13/16 x 52 x 21-1/4)	(24-13/16 x 52 x 21-1/4)
NET WEIGHT	lb	154.3	189.6	189.6

AUXILIARY ELECTRIC HEATER		HNRD5-5KW*	HNRD8-8KW	HNRD10-10KW	HNRD15-15KW	HNRD20-20KW
AIR HANDLER MODELS	TUD36-24AH2ADU	TUD36-24AH2ADU	TUD36-24AH2ADU	TUD36-24AH2ADU	-	-
	TUD60-48AH2ADU	TUD60-48AH2ADU	TUD60-48AH2ADU	TUD60-48AH2ADU	TUD60-48AH2ADU	TUD60-48AH2ADU
		LYQ-08-A-5KW	LYQ-08-B-8KW	LYQ-08-C-10KW	LYQ-08-D-15KW	LYQ-08-D-20KW*
	TUD24AH2DDU	TUD24AH2DDU	TUD24AH2DDU	TUD24AH2DDU	-	-
	TUD30AH2DDU	TUD30AH2DDU	TUD30AH2DDU	TUD30AH2DDU	-	-
	TUD36AH2DDU	TUD36AH2DDU	TUD36AH2DDU	TUD36AH2DDU	-	-
	TUD42AH2DDU	TUD42AH2DDU	TUD42AH2DDU	TUD42AH2DDU	TUD42AH2DDU	-
	TUD48AH2DDU	TUD48AH2DDU	TUD48AH2DDU	TUD48AH2DDU	TUD48AH2DDU	TUD48AH2DDU
	TUD60AH2DDU	TUD60AH2DDU	TUD60AH2DDU	TUD60AH2DDU	TUD60AH2DDU	TUD60AH2DDU



*Special orders only

19.5-17 SEER INVERTER

24,000 BTU TO 60,000 BTU



CASED "A" COILS



- > Built-In TXV with check valve
- > Ideal for Dual Fuel applications
- > Universal mounting orientation

- > Pre-charged with R410A
- > Flared service valve connections
- > Copper coil

COIL MODEL			TCAT24FNAA	TCAT36FNAA	TCAT48HNAA	TCAT60HNAA
OUTDOOR UNIT MODEL	TOSOT APEX	TU36-24WADU	TU36-24WADU	TU60-48WADU	TU60-48WADU	TU60-48WADU
RATED FURNACE AIRFLOW		CFM	800	1000	1230	1510
RATED BLOWER POWER		W	145	185	280	390
CAPACITY		Btu/h	24,000	36,000	48,000	54,000
EER2	Cooling	Btu/(h·W)	11	12.2	11.7	11.7
SEER2	Cooling	Btu/(h·W)	15.2	18	18	17
PIPE SIZE	Liquid	inch	3/8	3/8	3/8	3/8
	Gas	inch	3/4	3/4	3/4	3/4
NET WEIGHT		lbs	64	64	95	95
GROSS WEIGHT		lbs	75	75	110	110
LOADING QTY	40' GP	set	219	219	102	102
	40' HP	set	292	292	153	153

NOTE: THE ABOVE PERFORMANCE DATA IS TESTED AT THE "RATED CONDITIONS" SHOWN IN THE TABLE

DIMENSIONS

MODEL	W	D	H	Supply W	Supply D
TCAT(24)36F/NaA	17-1/2(445)	21-1/4(540)	23(584)	15-7/8(403)	19-3/8(492)
TCAT(48)60H/NaA	24-1/2(662)	21-1/4(540)	28-1/2(724)	27-7/8(581)	19-3/8(492)

For continual product development, the manufacturer reserves the right to change specifications without notice.



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

ULTRA HEAT 

OUR MOST EFFICIENT HEAT PUMP



THERMOSTAT
 (Optional)
 XE71



- › 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
- › Indoor Unit up to 24K Available for Multi-Zone
- › Built-In Drain Pan Heater
- › Optional 24V adaptor

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
SYSTEM PERFORMANCE						
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)
SEER2/EER2		27/16.6	24/14	22/13.5	21.5/13	18/10.25
HSPF2/COP		11/4.4	8.5/3.8	10/3.5	9.5/3.5	8.5/3.17
INDOOR UNIT						
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	34/54	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
OUTDOOR UNIT						
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.	49	98.4	131.2	164	165
MAX. ELEVATION	ft.	33	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 ON THE TW36HQ3B2D-I

SINGLE ZONE PULAR 25 HEAT PUMPS

19-25.5 SEER INVERTER

9,000 BTU TO 24,000 BTU



THERMOSTAT
(Optional)
XE71



- > Heating down to -30° C / -22° F
- > Low ambient cooling at -29° C / -20° F
- > Optional wall thermostat
- > Built-In Drain Pan Heater

- > Optional 24V adaptor
- > Optional low ambient cooling with wind baffle kit
- > Built in Wi-Fi

MODEL		TW09HXP2A1D	TW12HXP2A1D	TW18HXP2A1D	TW24HXP2A1D	TW30HXQ2B2D	TW36HXQ2B2D
POWER SUPPLY	--	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz
COMMUNICATION WIRE SIZE	--	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4
MOP/MCA	A	15/10	15/10	20/14	25/16	30/20	35/23
SYSTEM PERFORMANCE							
COOLING (MIN-RATED-MAX)	BTU/h	1,535-9,100-10,748	3,071-12,000-14,098	5,118-18,000-21,154	8,870-22,000-28,000	7,780-30,000-35,500	7,500-33,600-37,200
HEATING (MIN-RATED-MAX)	BTU/h	3,412-10,500-14,672	3,071-12,000-15,501	5,118-18,000-21,154	7,200-24,000-30,708	9,100-30,000-36,850	10,200-34,600-38,500
SEER/SEER2	20	25.5 / 25.5	24 / 24	23 / 23.5	24 / 24.5	19/20	20 / 20
EER	(BTU/h)/w	14.7	12.5	13	13.1	11.3	10.5
COP	(W/W)	3.9	3.8	3.8	3.8	3.4	3.2
HSPF/HSPF2	10	12 / 10.2	11 / 9	11 / 9	11 / 9.5	10/8.5	9/8.5
HEATING OPERATION TEMP.	(°C/°F)	-30 ~30 / -22 ~86	-30 ~30 / -22 ~86	-30 ~30 / -22 ~86	-30 ~30 / -22 ~86	-25 ~24 / -13 ~75	-25 ~24 / -13 ~75
COOLING OPERATION TEMP.	(°C/°F)	-29 ~50 / -20 ~122	-29 ~50 / -20 ~122	-29 ~50 / -20 ~122	-29 ~50 / -20 ~122	-20 ~50 / -4 ~122	-20 ~50 / -4 ~122
REFRIGERANT PIPES							
REFRIGERANT CHARGE (R410A)	oz	35.3	42.3	54.7	60	74	85
LIQUID PIPE CONNECTION	in.	1/4	1/4	1/4	1/4	1/4	1/4
GAS PIPE CONNECTION	in.	3/8	1/2	5/8	5/8	5/8	5/8
MAX TOTAL PIPING	ft.	49	65	82	131	82	82
MAX. ELEVATION	ft.	33	33	33	82	33	33
OUTDOOR UNIT							
COMPRESSOR TYPE		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
SOUND PRESSURE LEVEL	dB(A)	52	52	59	62	62	62
NET WEIGHT	kg/lb	32 / 71	32 / 71	44.5 / 98	49 / 126	51.5 / 113.6	51.5 / 113.6
DIMENSIONS (W X H X D)	in.	31-5/8 x 21-7/8 x 13-25/32	31-5/8 x 21-7/8 x 13-25/32	37-3/4 x 26 x 15-7/8	39 3/8 x 29 3/8 x 16 13/16	39 3/8 x 29 3/8 x 16 13/16	39 3/8 x 29 3/8 x 16 13/16
INDOOR UNIT							
AIR FLOW MIN/MAX	CFM	159/353	230/400	324/589	383/736	471/912	471/912
SOUND PRESSURE LEVEL MIN/MAX	dB(A)	25/40	27/43	29/49	34/52	37/56	37/56
DIMENSIONS (W X H X D)	in.	32 31/64 x 11 17/32 x 7 23/32	32 31/64 x 11 17/32 x 7 23/32	38 21/32 x 12 1/4 x 8 45/64	42 21/64 x 13 7/64 x 9 11/16	53 9/64 x 12 53/64 x 9 61/64	53 9/64 x 12 53/64 x 9 61/64
NET WEIGHT	kg/lb	9.5 / 21	9.5 / 21	13.5 / 28.7	16 / 35.3	20 / 44.1	20 / 44.1

SINGLE-ZONE LOMO23 HEAT PUMPS

23-20 SEER INVERTER

9,000 BTU TO 36,000 BTU



THERMOSTAT
(Optional)
XE71

Wi-Fi MODULE AVAILABLE
TL118004100



- > LED display
- > Heating down to -25° C/-13° F
- > Low ambient cooling at -18° C/0° F
- > Optional wall thermostat

- > Indoor Unit Up To 24K Available in Multi-Zone
- > Built-In Drain Pan Heater

MODEL		TW09HQ2C2D	TW12HQ2C2D	TW18HQ2C2D	TW24HQ2C2D	TW30HQ2B2D	TW36HQ2B2D
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
RATED CURRENT COOLING	A	5.8	6.0	6.3	8.05	11.5	17
RATED CURRENT HEATING	A	6.0	6.3	7.6	8.35	12	16.5
SYSTEM PERFORMANCE							
DEHUMIDIFICATION	pt/h	1.69	2.96	3.8	4.23	6.34	7.4
COOLING CAPACITY	BTU/h	9,000 (3,100-9,600)	12,000 (3,100-13,000)	18,000 (6,800-20,000)	22,000 (6,824-27,296)	28,000 (9,490-30,030)	33,600 (7,400-36,000)
HEATING CAPACITY	BTU/h	11,000 (1,911-12,000)	13,000 (2,400-14,000)	19,800 (7,340-23,500)	23,000 (6,824-30,708)	28,400 (10,000-32,990)	34,600 (14,980-36,000)
SEER/EER		23/14.29	22/12.50	20/12.50	20/12.50	18/10.40	18/8.20
HSPF/COP		10.5/3.16	11.0/3.46	10.0/4.7	10/3.37	9/3.0	9/2.7
INDOOR UNIT							
AIRFLOW (L/H)	PCM/CFM	171/377	171/400	335/559	530/706	412/706	412/736
SOUND PRESSURE LEVEL (L/H)	dB(A)	29/43	29/45	39/47	36/48	37/51	37/54
UNIT DIM. (WXHXD)	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	53.1 x 12.8 x 10	53.1 x 12.8 x 10
NET/GROSS WEIGHT	lb	22.1/26.5	22.1/26.5	27.6/34.2	34.2/41.9	41.9/51.8	41.9/51.8
OUTDOOR UNIT							
COMPRESSOR TYPE		SWING	SWING	ROTARY	ROTARY	ROTARY	ROTARY
SOUND PRESSURE LEVEL	dB(A)	53	54	55	59	62	65
UNIT DIM. (WXHXD)	in.	33.4 x 21.3 x 12.6	33.4 x 23.6 x 12.6	37.6 x 27.6 x 12.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.9
NET/GROSS WEIGHT	lb	78/84	86/93	105/115	142/153	154/165	161/172
REFRIGERANT/CHARGE	oz.	R410A/45.9	R410A/47.6	R410A/56.4	R410A/77.6	R410A/84.6	R410A/91.7
LINE SET SIZE (LIQUID-GAS)	in.	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"	1/4" - 5/8"	1/4" - 5/8"	1/4" - 5/8"
MAX. PIPE LENGTH	ft.	49.2	65.6	82	82	98.4	98.4
MAX. ELEVATION	ft.	49	49	49	49	49	49
MCA	A	9	9	16	20	20	24
MOCP	A	15	15	25	30	30	40
WIRE SIZE/# WIRES		14 AWG*4 Stranded, unshielded					

SINGLE ZONE CHARMO19 HEAT PUMPS

19 SEER INVERTER

9,000 BTU TO 24,000 BTU



THERMOSTAT
(Optional)
XE71



- › Heating down to -20° C/-4° F
- › Low ambient cooling at -18° C/-0° F
- › Optional wall thermostat
- › Built-In Drain Pan Heater
- › Optional 24V adaptor
- › Built-In Wi-Fi

CHARMO 19

CHARMO 19 115V

MODEL		TW09HXCA5D	TW12HXCA5D	TW18HXCA5D	TW24HXCA5D	TW09HXCA5A	TW12HXCA5A
POWER SUPPLY	--	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	115V/60Hz	115V/60Hz
WIRE SIZE	--	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4
MOP/MCA	A	15/9	15/11	20/14	20/15	20/16	30/20
SYSTEM PERFORMANCE							
COOLING (MIN-RATED-MAX)	BTU/h	2,800-9,100-10,300	2,388-12,000-13,307	3,753-17,600-19,960	6,824-22,000-25,249	3,000-9,100-11,000	2,388-12,000-13,307
HEATING (MIN-RATED-MAX)	BTU/h	2,000-10,000-12,200	2,388-12,000-15,013	2,730-19,100-22,519	5,971-24,000-27,296	2,200-10,000-13,000	2,388-12,000-15,013
SEER2	20	19.5	17.5	17.5	18	19.5	17.5
EER2	(BTU/h)/w	11.3	8.7	10	11.6	11.3	8.7
HSPF2/COP	--	8.8/3.8	8.5/3.5	8.5/3.2	8.5/3.4	8.6/3.6	8.5/3.5
HEATING OPERATION TEMP.	(°C/°F)	-25~-24 / -13~-75	-25~-24 / -13~-75	-25~-24 / -13~-75	-25~-24 / -13~-75	-25~-24 / -13~-75	-25~-24 / -13~-75
COOLING OPERATION TEMP.	(°C/°F)	-18~-46 / 0~115	-18~-46 / 0~115	-18~-46 / 0~115	-18~-46 / 0~115	-18~-46 / 0~115	-18~-46 / 0~115
REFRIGERANT PIPES							
REFRIGERANT CHARGE (R410A)	oz	24.7	27.5	44.1	52.9	24.34	24.7
LIQUID PIPE CONNECTION	in.	1/4	1/4	1/4	1/4	1/4	1/4
GAS PIPE CONNECTION	in.	3/8	3/8	1/2	5/8	3/8	3/8
MAX TOTAL PIPING	ft.	65	65	82	82	65	65
MAX. ELEVATION	ft.	40	33	33	33	40	33
OUTDOOR UNIT							
COMPRESSOR TYPE	--	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
SOUND PRESSURE LEVEL	dB(A)	51	52	57	57	51	52
NET WEIGHT	kg/lb	26 / 57	26 / 57	33 / 72	44 / 97	27 / 60	27 / 60
DIMENSIONS (W X H X D)	in.	28-7/8 x 21-7/8 x 13	28-7/8 x 21-7/8 x 13	31-7/16 x 21-7/8 x 13-3/4	37-3/4 x 26 x 15-7/8	28 13/16 x 21 27/32 x 12 63/64	28 13/16 x 21 27/32 x 12 63/64
INDOOR UNIT							
AIR FLOW MIN/MAX	CFM	159/353	182/424	283/618	412/677	159/353	182/424
SOUND PRESSURE LEVEL MIN/MAX	dB(A)	26/41	27/47	32/50	36/51	26/41	27/47
DIMENSIONS (W X H X D)	in.	32-7/8 x 10-7/8 x 7-7/16	32-7/8 x 10-7/8 x 7-7/16	36-1/2 x 13-1/8 x 9-7/8	42-7/16 x 13-1/8 x 9-11/16	32-7/8 x 10-7/8 x 7-7/16	32-7/8 x 10-7/8 x 7-7/16
NET WEIGHT	kg/lb	9 / 20	9 / 20	13 / 29	15 / 33	9 / 20	9 / 20

SINGLE-ZONE LOMO 17 HEAT PUMPS

17 SEER INVERTER

9,000 BTU TO 24,000 BTU



THERMOSTAT
(Optional)
XE71



YOUR TRUSTED COMPANION

SINGLE-ZONE LOMO 17 HEAT PUMPS

- > LED Display
- > Low Ambient Heating down to -20° C/-4° F
- > Low Ambient Cooling down to -18° C/0° F
- > Optional wall thermostat
- > Built-in drain pan heater

MODEL	UNITS	TW09HQ1B2D	TW12HQ1B2D	TW18HQ1B2D	TW24HQ1B2D
POWER SUPPLY		208-230V/60Hz/1Ph	208-230V/60Hz/1Ph	208-230V/60Hz/1Ph	208-230V/60Hz/1Ph
RATED CURRENT COOLING	A	4.3	5.6	9	8.5
RATED CURRENT HEATING	A	3.8	5.1	7.8	8.5
SYSTEM PERFORMANCE					
DEHUMIDIFICATION	pt/h	1.6	2.9	3.8	4.23
COOLING CAPACITY	BTU/h	2,457-9,100-9,600	3,494-12,000-12,624	4,094-17,400-20,000	5,900-22,000-25,200
HEATING CAPACITY	BTU/h	2,457-9,500-11,500	2,388-13,000-13,648	4,100-18,000-21,000	4,500-24,000-25,900
SEER		17	17	16	19
HSPF/COP		9	9	9	10
INDOOR UNIT					
AIRFLOW (L/H)	PCM/CFM	182/294	182/371	335/471	412/677
SOUND PRESSURE LEVEL (L/H)	dB(A)	26/39	28/42	35/47	37/49
UNIT DIM. (WXHXD)	in.	31.1 x 10.8 x 7.9	33.3 x 11.4 x 8.2	38.2 x 11.8 x 8.8	42.5 x 12.8 x 9.7
NET/GROSS WEIGHT	lb	19.8/24.3	22/26.5	29.8/36.4	37.5/45.2
OUTDOOR UNIT					
COMPRESSOR TYPE		Rotary	Rotary	Rotary	Twin Rotary
SOUND PRESSURE LEVEL	dB(A)	50	50	56	59
UNIT DIM. (WXHXD)	in.	30.8 x 21.3 x 12.6	30.8 x 21.3 x 12.6	35.9 x 25.4 x 14.7	35.9 x 25.4 x 14.7
NET/GROSS WEIGHT	lb	58.4/63.9	62.8/68.4	87.1/93.7	97/103.6
REFRIGERANT/CHARGE	oz.	R410A/24	R410A/28.2	R410A/42.3	R410A/52.9
LINE SET SIZE (LIQUID-GAS)	in.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4"-5/8"
MAX. PIPE LENGTH	ft.	50	66	82	82
MAX. ELEVATION	ft.	33	33	33	33
MCA	A	10	9	15	19
MOCP	A	15	15	20	30
WIRE SIZE/# WIRES		14 AWG*4 Stranded, unshielded			

23 SEER

18,000 BTU TO 42,000 BTU

MULTI ZONE HEAT PUMPS

OUTDOOR UNITS



ULTRA HEAT



YOUR TRUSTED
COMPANION

- › 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/SEER2			23/20	23/20	23/16	23/16
HSPF2/COP			10/3.6	10/3.9	8.6/3.5	8.6/3.7
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 ~ 46
		°F	0 ~ 118	0 ~ 118	0 ~ 115	0 ~ 115
	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	262
MAX. SINGLE DISTANCE		ft.	82	82	82	82
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 for slimduct

OUTDOOR UNITS

MULTI ZONE HEAT PUMPS

PULAR MULTI-ZONE

18,000 BTU TO 42,000 BTU



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



MODEL			TM18HX4-O	TM24HX4-O	TM30HX4-O	TM36HX4-O	TM42HX4-O
NUMBER OF PORTS			2	3	4	4	5
CAPACITY	Cooling	BTU/h	7,000-19,600-17,000	7,500-31,400-23,200	8,190-34,100-28,400	8,870-35,826-34,000	8,871-40,944-36,000
	Heating	BTU/h	7,000-19,600-18,000	7,500-31,400-24,000	8,190-40,900-30,000	8,190-45,356-36,000	8,871-46,061-40,000
SEER2			21	21	21	21	21
HSPF2/COP			10/3.82	10/3.91	10/3.91	10/3.56	10/3.88
POWER SUPPLY			208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz
AIRFLOW		CFM	1354	2236	3413	3413	3413
OPERATING RANGE	Cooling	°C	-30 ~ 48	-30 ~ 48	-30 ~ 48	-30 ~ 48	-30 ~ 48
		°F	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75
	Heating	°C	-30 ~ 24	-30 ~ 24	-30 ~ 24	-30 ~ 24	-30 ~ 24
		°F	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75	-22 ~ 75
SOUND PRESSURE LEVEL		dB(A)	53	58	63	63	63
PIPING CONNECTION	Liquid	in.	3 x 1/4	3 x 1/4	4 x 1/4	4 x 1/4	5 x 1/4
	Gas	in.	3 x 3/8	3 x 3/8	4 x 3/8	4 x 3/8	5 x 3/8
DIMENSIONS (W X H X D)		in.	32-3/8 x 21-11/16 x 13-7/8	37-7/8 x 26 x 15-3/4	40-3/16 x 32-1/2 x 16-7/8	40-3/16 x 32-1/2 x 16-7/8	40-3/16 x 32-1/2 x 16-7/8
NET WEIGHT		lb	35/77	52/115	69/152.2	78/172	78/172
MAX. TOTAL PIPING		ft.	131	131	262	262	328
MAX. SINGLE DISTANCE		ft.	66	66	66	82	82.0
MAX. ELEVATION		ft.	49	49	82	82	82
REFRIGERANT CHARGE		lb	2.87	5.30	6.60	8	8
MOP/MCA		A	20/15	25/19	35/23	45/30	45/30

* Energy star with every head combination except for slimduct

22-20.5 SEER
18,000 BTU TO 42,000 BTU

MULTI ZONE
HEAT PUMPS

OUTDOOR
UNITS



› Heating down to -20° C/-5° F



MODEL			TM18H4-O	TM24H4-O	TM30H4-O	TM36H4-O	TM42H3-O
NUMBER OF PORTS			2 ports	3 ports	4 ports	5 ports	5 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)
	Heating	BTU/h	19,000 (7,000-22,600)	26,000 (7,500-35,000)	30,000 (8,189-32,414)	42,500 (8,871-44,356)	45,000 (8,871-46,062)
SEER			22	21	21	21	21
HSPF/COP			10.5/3.66	11/3.72	11.5/3.74	11.5/3.70	10.2/3.61
POWER SUPPLY			208-230V/ 60Hz/1Ph	208-230V/ 60Hz/1Ph	208-230V/ 60Hz/1Ph	208-230V/ 60Hz/1Ph	208-230V/ 60Hz/1Ph
AIRFLOW		CFM	1.883	2.354	2.354	4.531	4.531
OPERATING RANGE	Cooling	°C	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48
		°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 30	-20 ~ 30	-20 ~ 30
		°F	-5 ~ 75	-5 ~ 75	-5 ~ 86	-5 ~ 86	-5 ~ 86
SOUND PRESSURE LEVEL		dB(A)	56	58	59	61	61
PIPING CONNECTION	Liquid	in.	2 x 1/4	3 x 1/4	4 x 1/4	5 x 1/4	5 x 1/4
	Gas	in.	2 x 3/8	3 x 3/8	4 x 3/8	5 x 3/8	5 x 3/8
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
NET/GROSS WEIGHT		lb	114.4/125	152.9/164.2	154.0/169	198.0/216	198.4/216
MAX. TOTAL PIPING		ft.	33	196.8	229.6	246.0	246.0
MAX. SINGLE DISTANCE		ft.	33	33	82.0	82.0	82.0
MAX. ELEVATION		ft.	33	33	49.2	49.2	49.2
REFRIGERANT CHARGE		lb	3.5	4.8	6.2	8.0	8.0
MOCP		A	25	30	30	35	40

INDOOR UNITS

MULTI ZONE HEAT PUMPS

PULAR 25 WALLMOUNT

9,000 BTU TO 24,000 BTU



- > Optional wall thermostat
- > Optional 24V adaptor
- > Built in Wi-Fi



THERMOSTAT
(Optional)
XE71



MODEL		TW09HXP2A1D-I	TW12HXP2A1D-I	TW18HXP2A1D-I	TW24HXP2A1D-I
COOLING/HEATING CAP.	BTU/h	9,000	12,000	18,000	24,000
SOUND PRESSURE LEVEL (L/H)	dB(A)	40/37/35/32 29/26/25	43/38/36/34 32/30/27	49/43/41/40 37/33/29	52/44/42/39 38/36/34
AIRFLOW (L/H) MIN/MAX	PCM/CFM	159/353	230/400	324/589	383/736
DIMENSIONS (W X H X D)	in.	32 31/64 x 11 17/32 x 7 23/32	32 31/64 x 11 17/32 x 7 23/32	38 21/32 x 12 10/4 x 8 45/64	42 21/64 x 13 7/64 x 9 11/16
NET/GROSS WEIGHT	kg/lb	9.5 / 21	9.5 / 21	13.5 / 28.7	16 / 35.3
PIPING CONNECTION	Liquid	in.	1/4"	1/4"	1/4"
	Gas	in.	3/8"	1/2"	5/8"

CHARMO 19
WALLMOUNT
 5,000 BTU TO 24,000 BTU

MULTI ZONE
 HX4-O SERIES

INDOOR
 UNITS



THERMOSTAT
 (Optional)
 XE71



- > LED display
- > Wireless remote included

> Built-in Wi-fi

MODEL		TW05HXCA5D-I	TW07HXCA5D-I	TW09HXCA5D-I	TW12HXCA5D-I	TW18HXCA5D-I	TW24HXCA5D-I
COOLING/HEATING CAP.	BTU/h	5,000	7,000	9,000	12,000	18,000	24,000
SOUND PRESSURE LEVEL (L/H)	dB(A)	(38,33,31,29,28,26,24)	(39,34,32,30,30,27,24)	(41/37/35/33,31/28/26)	(47/39/38/35,33/32/27)	(50/46/44/42,40/36/32)	(51/47/45/42,40/38/36)
DEHUMIDIFICATION	l/h	0.63	1.27	1.69	2.96	3.8	5.28
AIRFLOW (L/H) MIN/MAX	PCM/CFM	124/247	135/259	159/353	182/424	283/618	142/677
DIMENSIONS (W X H X D)	in.	27 7/8 x 10 1/4 x 7 9/32	27 7/8 x 10 1/4 x 7 9/32	32-7/8 x 10-7/8 x 7-7/16	32-7/8 x 10-7/8 x 7-7/16	36-1/2 x 13-1/8 x 9-7/8	42-7/16 x 13-1/8 x 9-11/16
NET/GROSS WEIGHT	lb	15.4/7	15.4/7	9/20	9/20	13/28.7	15/33
PIPING CONNECTION	Liquid	in. 1/4"	in. 1/4"	in. 1/4"	in. 1/4"	in. 1/4"	in. 1/4"
	Gas	in. 3/8"	in. 3/8"	in. 3/8"	in. 3/8"	in. 1/2"	in. 5/8"

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

MULTI ZONE
 HEAT PUMPS

INDOOR
 UNITS



THERMOSTAT
 (Optional)
 XE71



- > LED display
- > Wireless remote included

> 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



**YOUR TRUSTED
COMPANION**

- > LED display
- > Wireless remote included



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	1/4	1/4
	Gas	in. 3/8	3/8	1/2

INDOOR UNITS

MULTI ZONE HEAT PUMPS

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



**YOUR TRUSTED
COMPANION**

- > LED display
- > Wired controller (optional) + 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	1/4	3/8
	Gas	in. 3/8	3/8	1/2	5/8

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

MULTI ZONE
 HEAT PUMPS

INDOOR
 UNITS



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



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)	Body	in.	23.5 x 9.5 x 23.5	23.5 x 9.5 x 23.5	33.1 x 9.5 x 33.1
	Panel	in.	26-3/8 x 2 x 26-3/8	26-3/8 x 2 x 26-3/8	37-9/16 x 2-3/8
NET/GROSS WEIGHT		lb	39.6/51	39.6/51	62/78
PIPING CONNECTION	Liquid	in.	1/4	1/4	3/8
	Gas	in.	3/8	1/2	5/8

POWERFUL & CONCEALED
SLIMDUCT
 9,000 BTU TO 24,000 BTU

MULTI ZONE
 HEAT PUMPS

INDOOR
 UNITS



- > Wall thermostat included
- > Internal condensate pump
- > Wired controller included & wireless remote optional



**THERMOSTAT
 XK19**

HIGH STATIC

MODEL			TM09HSFD-I	TM12HSFD-I	TM18HSFD-I	TM24HSFD-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
		lb	71/80	71/80	93/100	93/100
NET/GROSS WEIGHT	Liquid	in.	1/4	1/4	1/4	3/8
	Gas	in.	3/8	1/2	5/8	5/8
PSE/ESP		in. WG	0.6	0.6	0.8	0.8
DRAIN LINE			1"	1"	1"	1"

TM SERIES MULTI ZONE

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.



TM18H4-O | TM18H5-O - 3 Combinations

2 UNITS

9+9
9+12
12+12

TM24H4-O | TM24H5-O - 11 Combinations

2 UNITS

9+9 12+12
9+12 12+18
9+18 18+18

3 UNITS

9+9+9 9+12+12
9+9+12 12+12+12
9+9+18

TM30H4-O - 20 Combinations

2 UNITS

9+9 12+18
9+12 12+24
9+18 18+18
9+24 18+24
12+12

3 UNITS

9+9+9 9+12+18
9+9+12 12+12+12
9+9+18 12+12+18
9+9+24
9+12+12

4 UNITS

9+9+9+9
9+9+9+12
9+9+12+12

TM36H4-O

2 UNITS

9+9 12+18
9+12 12+24
9+18 18+18
9+24 18+24
12+12 24+24

TM36H4-O - 36 Combinations

3 UNITS

9+9+9 9+12+18 12+12+18
9+9+12 9+12+24 12+12+24
9+9+18 9+18+18 12+18+18
9+9+24 9+18+24 18+18+18
9+12+12 12+12+12

4 UNITS

9+9+9+9 9+9+12+18
9+9+9+12 9+9+18+18
9+9+9+18 9+12+12+12
9+9+9+24 9+12+12+18
9+9+12+12 12+12+12+12

5 UNITS

9+9+9+9+9
9+9+9+12+12

TM36H5-O

2 UNITS

9+9
9+12
9+18
9+24
12+12

TM36H5-O - 28 Combinations

2 UNITS

12+18
12+24
18+18
18+24
24+24

3 UNITS

9+9+9
9+9+12
9+9+18
9+9+24
9+12+12

4 UNITS

9+12+18
12+12+24
12+18+18
12+18+24
18+18+18

5 UNITS

9+9+9+9
9+9+9+12
9+9+9+18
9+9+9+24

6 UNITS

9+9+12+12
9+9+12+18
9+9+18+18
9+12+12+12

7 UNITS

9+12+12+18
12+12+12+12
12+12+12+19

TM42H4-O | TM42H5-O - 57 Combinations

2 UNITS

9+12
9+18
9+24
12+12
12+18
12+24
18+18
18+24
24+24

3 UNITS

9+9+9 9+24+24
9+9+12 12+12+12
9+9+18 12+12+18
9+9+24 12+12+24
9+12+12 12+18+18
9+12+18 12+18+24
9+12+24 12+24+24
9+18+18 18+18+18
9+18+24 18+18+24

4 UNITS

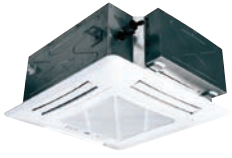
9+9+9+9 9+12+12+12
9+9+9+12 9+12+12+18
9+9+9+18 9+12+12+24
9+9+9+24 9+12+18+18
9+9+12+12 9+18+18+18
9+9+12+18 12+12+12+12
9+9+12+24 12+12+12+18
9+9+18+18 12+12+12+24
9+9+18+24 12+12+18+18

5 UNITS

9+9+9+9+9 9+12+12+12+12
9+9+9+9+12 9+12+12+12+18
9+9+9+9+18 12+12+12+12+12
9+9+9+9+24
9+9+9+12+12
9+9+9+18+18
9+9+9+12+18
9+9+12+12+12
9+9+12+12+18

TM SERIES MULTI ZONE

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TM18HX4-O - 9 Combinations

2 UNITS

5+5	7+9
5+7	7+12
5+9	9+9
5+12	9+12
7+7	

TM24HX4-O - 30 Combinations

2 UNITS

5+7	7+7	9+9
5+9	7+9	9+12
5+12	7+12	9+18
5+18	7+18	12+12
5+24	7+24	12+18

TM24HX4-O - 30 Combinations

3 UNITS

5+5+5	5+7+7	7+7+9
5+5+7	5+7+9	7+7+12
5+5+9	5+7+12	9+9+9
5+5+12	5+7+18	9+9+12
5+5+18	7+7+7	9+9+18

TM30HX4-O - 76 Combinations

2 UNITS

5+18	9+9	12+18
5+24	9+12	12+24
7+12	9+18	18+18
7+18	9+24	18+24
7+24	12+12	

3 UNITS

5+5+5	5+5+24
5+5+7	5+7+7
5+5+9	5+7+9
5+5+12	5+7+12
5+5+18	5+7+18

TM30HX4-O - 76 Combinations

3 UNITS

5+7+24	7+7+24	9+9+9	12+12+18
7+7+7	7+9+9	9+9+12	
7+7+9	7+9+12	9+9+18	
7+7+12	7+9+18	9+9+24	
7+7+18	7+9+24	12+12+12	

4 UNITS

5+5+5+5	5+5+7+7	5+5+9+9	5+5+12+18	5+7+7+24
5+5+5+7	5+5+7+9	5+5+9+12	5+7+7+7	7+7+7+7
5+9	5+5+7+12	5+5+9+18	5+7+7+9	7+7+7+9
5+5+5+12	5+5+7+18	5+5+9+24	5+7+7+12	7+7+7+12
5+5+5+24	5+5+7+24	5+5+12+12	5+7+7+18	7+7+7+18

TM30HX4-O - 76 Combinations

4 UNITS

7+7+9+9	7+9+9+18	9+12+12+12
7+7+9+12	9+9+9+9	
7+7+9+18	9+9+9+12	
7+9+9+9	9+9+9+18	
7+9+9+12	9+9+12+12	

TM36HX4-O - 34 Combinations

2 UNITS

9+9	12+18
9+12	12+24
9+18	18+18
9+24	18+24
12+12	24+24

3 UNITS

9+9+9	9+12+18	12+12+18
9+9+12	9+12+24	12+12+24
9+9+18	9+18+18	12+18+18
9+9+24	9+18+24	18+18+18
9+12+12	12+12+12	

TM36HX4-O

4 UNITS

9+9+9+9	9+9+12+18
9+9+9+12	9+9+18+18
9+9+9+18	9+12+12+12
9+9+9+24	9+12+12+18
9+9+12+12	12+12+12+12

TM42HX4-O - 57 Combinations

2 UNITS

9+12	12+24
9+18	18+18
9+24	18+24
12+12	24+24
12+18	

3 UNITS

9+9+9	9+12+18	12+12+12	12+24+24
9+9+12	9+12+24	12+12+18	18+18+18
9+9+18	9+18+18	12+12+24	18+18+24
9+9+24	9+18+24	12+18+18	
9+12+12	9+24+24	12+18+24	

TM42HX4-O - 34 Combinations

4 UNITS

9+9+9+9	9+9+12+18	9+12+12+18	12+12+12+18
9+9+9+12	9+9+12+24	9+12+12+24	12+12+12+24
9+9+9+18	9+9+18+18	9+12+18+18	12+12+18+18
9+9+9+24	9+9+18+24	9+18+18+18	
9+9+12+12	9+12+12+12	12+12+12+12	

5 UNITS

9+9+9+9+9	9+9+9+12+18	9+12+12+12+18
9+9+9+9+12	9+9+9+18+18	12+12+12+12+12
9+9+9+9+18	9+9+12+12+12	
9+9+9+9+24	9+9+12+12+18	
9+9+9+12+12	9+12+12+12+12	

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.
-
- HSPF2** (Heating seasonal performance factor 2) is an energy efficiency rating used to measure the heating performance of heat pumps. It calculates the total heating output produced by a heat pump over the heating season, divided by the total electrical energy consumed. A higher hspf2 value indicates a more efficient heating system.
-
- SEER2** (Seasonal energy efficiency ratio 2) is an energy performance rating that evaluates the efficiency of air conditioners and heat pumps. It measures the cooling or heating capacity of a system per unit of energy consumed over an entire season. A higher seer2 indicates better energy efficiency and reduced energy consumption.
- The "2" in hspf2 and seer2 indicates that these are updated versions or revisions of the original cop and seer metrics. These updated versions often incorporate advancements in technology, changes in testing standards, or improvements in energy efficiency calculations. The "2" distinguishes them from the previous versions and signifies that they represent an updated and more accurate measure of energy performance.
-
- 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.



YOUR TRUSTED
COMPANION

TOSOT

