

SINGLE ZONE

MULTI ZONE

LIGHT COMMERCIAL



# TOSOT

**2017 LINE UP**

**MINI SPLITS CATALOG**

Residential & Light Commercial Solutions

# WELCOME



## SERVICE & SUPPORT

We believe that the best way to ensure the complete satisfaction of our customers is by offering the greatest service and support to our installers' network. This way, they will systematically propose optimal solutions and complete installations with unmatched professionalism.

We have developed all the necessary tools to provide the best after sales and service support.

## EXCELLENCE & INNOVATION

Every Tosot system is designed to be the best in its class. Only first class materials are used throughout the manufacturing of a Tosot system. A strict quality control is in place to insure the premium quality of all Tosot units. From engineering to after sales support our team of professionals strive to deliver customer satisfaction. Through our commitment to excellence we have developed partnerships of qualified installers. These exclusive partnerships allow us to train, support and monitor our installations to ensure the best consumer experience in every region where we operate. Our warranties are a testament to our quality innovations and our fully integrated process.

## What can I find in this catalog ?

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Want to know more about us and our products ?  
Visit our website [tosothvac.com](http://tosothvac.com)

# TOSOT

## BENEFITS

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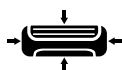
### 4 Way Air Outlet

The louver can be adjusted vertically and horizontally this will help maximize the comfort of your home.



### Intelligent Defrost

The defrosting operation is only performed when needed, this reduces energy waste by eliminating unnecessary defrost while maximizing comfort.



### Compact Design

With state of the art innovations such as an integrated evaporator and incorporated rear base casing our indoor units are more compact.



### Auto Clean

After powering off, the cross fan stays operational until the inside of the indoor unit is dry, this way your unit will stay clean and healthy.



### Quiet

The axial fan innovative design and the strengthened motor bracket will minimize the vibrations and noise level outside. The integrated rear base and evaporator makes our indoor unit one of the quietest.



### High Efficiency

Cutting edge chips for precise inverter control high efficiency, electronic expansion valves for precise refrigerant flow, optimized cross fan designed for larger air flow volume.



### Sleep Mode

Tosot comfy sleep curve will maintain the ideal temperature until morning to ensure your comfort.



### I Feel

The mini sensor in the remote controller senses the surrounding temperature. The air flow and set temperature of the indoor unit is adjusted accordingly for optimal comfort level.



### Certifications

All our products are



SINGLE-ZONE  
CHESAPEAKE

16 SEER INVERTER  
9,000 BTU TO 24,000 BTU



**TOSOT**  
SINGLE ZONE



TRYAN1F1F

- Pan Heater
- Heated belt around compressor
- Optional Wired Controller

- Auto Swing (vertical)
- Multiple Fan Speeds
- Dehumidify
- Intelligent Defrost
- Intelligent Pre-Heating
- Comfortable Sleep Mode
- LED Display

- Automatic Operation
- Self-diagnosis
- Memory Function
- Control Lock
- Fan Delay Function
- Timer
- Extended Warranties available

MODEL		TW09HQ1A5D	TW12HQ1A5D	TW18HQ1A5D	TW24HQ1A5D
Power Supply		208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph	208-230V, 60Hz, 1Ph
Rated Current Cooling	A	5.8	6.0	11.5	12.0
Rated Current Heating	A	6.0	6.7	11.5	12.2
<b>System Performance</b>					
Dehumidification	pt/h	1.69	2.96	3.80	5.28
Cooling Capacity	Btu/h	9,000 (3,099 - 9,599)	12,000 (3,753 - 12,500)	18,000 (7,165 - 20,000)	22,000 (8,630 - 23,200)
Heating Capacity	Btu/h	9,500 (3,100 - 12,000)	13,000 (3,924 - 14,000)	19,000 (7,336 - 23,498)	23,000 (8,650 - 26,000)
SEER/EER		16 / 10.0	16 / 9.23	16 / 9.37	16 / 9.73
HSPF/COP		9.0 / 3.48	9.0 / 3.05	9.0 / 2.78	9.0 / 2.93
<b>Indoor Unit</b>					
Airflow (L/H)	CFM	171 / 318	194 / 400	282 / 471	530 / 706
Sound Pressure Level (L/H)	dB(A)	28 / 43	29 / 45	35 / 46	36 / 48
Unit Dimensions (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	42.4 x 12.8 x 9.7
Net/Gross Weight	lbs	20 / 24	23.1 / 29	29.8 / 36	37.5 / 45
<b>Outdoor Unit</b>					
Compressor Type		SWING	SWING	ROTARY	ROTARY
Sound Pressure Level	dB(A)	52	53	56	59
Unit Dimensions (WxHxD)	in.	30.6 x 21.3 x 12.6	30.6 x 21.3 x 12.6	37.6 x 27.6 x 15.6	37.6 x 27.6 x 15.6
Net/Gross Weight	lbs	65 / 71	69 / 75	96 / 106	110 / 120
Refrigerant/Charge	oz.	R410A / 24.7	R410A / 30.0	R410A / 49.4	R410A / 65.3
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	49.2	49.2	82	82
Max. Elevation	ft	32.8	32.8	32.8	32.8
MCA	A	9	9	16	16
MOCP	A	15	15	25	25
Wire Size/# Wires		16AWG*4 Stranded, unshielded			

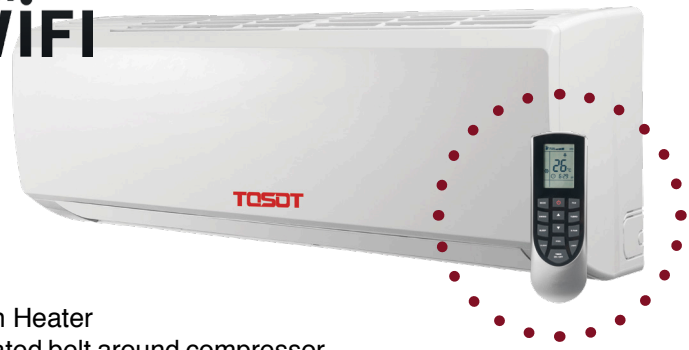
SINGLE-ZONE  
INDEPENDENCE

23-18 SEER INVERTER  
9,000 BTU TO 36,000 BTU

**TOSOT**  
SINGLE ZONE



WIFI



**TRYAN1F1F**

- Pan Heater
- Heated belt around compressor
- Optional Wired Controller
- Optional Wifi

- Auto Swing (vertical)
- Multiple Fan Speeds
- Dehumidify
- Intelligent Defrost
- Intelligent Pre-Heating
- Comfortable Sleep Mode
- LED Display

- IDU Works with Multi Zone
- Automatic Operation
- Self-diagnosis
- Memory Function
- Control Lock
- Fan Delay Function
- Timer
- Extended Warranties available

MODEL		TW09HQ2A1D	TW12HQ2A1D	TW18HQ2A1D	TW24HQ2A1D	TW30HQ2A3D	TW36HQ2A3D
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	10.4	14.5	17	20
Rated Current Heating	A	6	6.3	12.6	14.5	17.5	20
<b>System Performance</b>							
Dehumidification	pt/h	1.69	2.96	3.80	4.23	6.34	7.40
Cooling Capacity	Btu/h	9,000 (3,100 - 9,600)	12,000 (3,100 - 13,000)	18,000 (6,800 - 20,000)	22,000 (6,820 - 27,000)	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 (6,820 - 30,710)	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 / 3.35	10 / 3.37	9.0 / 3.0	9 / 2.7
<b>Indoor Unit</b>							
Airflow (L/H)	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 Dimensions (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	lbs	22.1 / 26.5	22.1 / 26.5	27.6 / 34.2	34.2 / 41.9	41.9 / 51.8	41.9 / 51.8
<b>Outdoor Unit</b>							
Compressor Type		SWING	SWING	ROTARY	ROTARY	ROTARY	ROTARY
Sound Pressure Level	dB(A)	53	54	55	59	62	65
Unit Dimensions (WxHxD)	in.	33.4 x 21.3 x 12.6	33.4 x 23.6 x 12.6	37.6 x 27.6 x 15.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8
Net/Gross Weight	lbs	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	32.8	32.8	32.8	32.8	32.8	32.8
MCA	A	9	9	16	20	20	24
MOCP	A	15	15	25	30	30	40
Wire Size/# Wires		14AWG*4 Stranded, unshielded					

\*TW30HQ2A3D and TW36HQ2A3D are not Energy Star

SINGLE-ZONE  
LIBERTY

38-21.5 SEER INVERTER  
9,000 BTU TO 24,000 BTU

**TOSOT**  
SINGLE ZONE



TRYAG1FBF

- Ultra Heat
- Ultra Efficient
- Wifi Included
- Extended pipe length
- Auto Swing (Vertical&Horizontal)
- Heated Belt Around Compressor
- Optional Wired controller
- Pan Heater
- Intelligent Defrost
- Intelligent Pre-Heating
- Comfortable Sleep Mode
- LED Display
- Automatic Operation
- Self-diagnostic
- Memory Function
- Control Lock
- Fan Delay Function
- Timer
- Extended Warranties available

MODEL		TW09HQ3D6D	TW12HQ3D6D	TW18HQ3D6D	TW24HQ3D6D
Power Supply		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
Rated Current Heating	A	6.9	6.9	10.8	16.4
<b>System Performance</b>					
Dehumidification	pt/h	1.69	2.96	3.8	5.2
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)
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)
SEER/EER		38 / 16.50	30.5 / 15.30	24.5 / 13.53	21.5 / 13.00
HSPF/COP		15 / 4.40	14 / 3.80	12 / 3.50	12 / 3.5
<b>Indoor Unit</b>					
Airflow (L/H)	CFM	206 / 424	235 / 500	353 / 736	383 / 824
Sound Pressure Level (L/H)	dB(A)	19 / 43	22 / 49	34 / 51	34 / 52
Unit Dimensions (WxHxD)	in.	39.2 × 11.8 × 8.8	39.2 × 11.8 × 8.8	43.3 × 12.8 × 9.8	43.3 × 12.8 × 9.8
Net/Gross Weight	lbs	29.8 / 36.4	29.8 / 36.4	36.4 / 44.1	36.4 / 43
<b>Outdoor Unit</b>					
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Sound Pressure Level	dB(A)	53	53	59	59
Unit Dimensions (WxHxD)	in.	35.3 × 23.4 × 14.8	35.3 × 23.4 × 14.8	38.5 × 31.1 × 16.8	38.5 × 31.1 × 16.8
Net/Gross Weight	lbs	99.2 / 105.8	99.2 / 105.8	141.1 / 152.1	147.7 / 158.8
Refrigerant / Charge	oz.	R410A / 45.9	R410A / 49.4	R410A / 74.1	R410A / 81.1
Line Set Size (Liquid - Gas)	in.	1/4" – 1/2"	1/4" – 1/2"	1/4" – 5/8"	1/4" – 5/8"
Max. Pipe Length	ft	98.4	98.4	131.2	164
Max. Elevation	ft	49.2	49.2	65.6	98.4
MCA	A	9	9	22	22
MOCP	A	15	15	30	35
Wire Size/# Wires		14AWG*4 Stranded, unshielded			

# MULTI ZONE

## MULTI ZONE OUTDOOR SERIES

18,000 - 42,000 BTU  
 22-20.5 SEER  
 48,000 - 56,000 BTU  
 16 SEER

MULTI-ZONE  
OUTDOOR  
SERIES

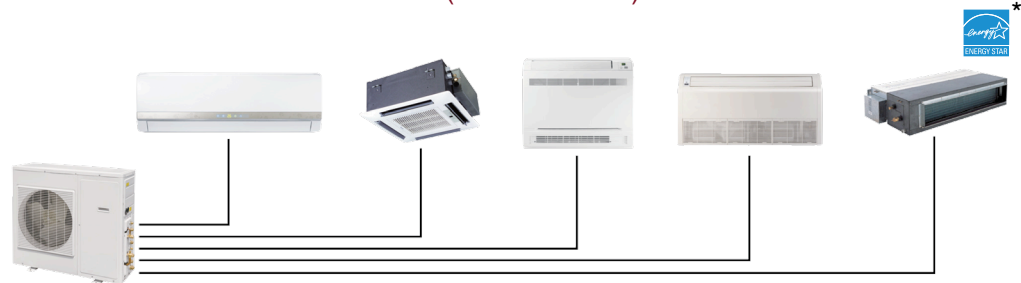
MULTI-MIX  
18,000 - 42,000 BTU  
22-20.5 SEER

SUPER MULTI-MIX  
48,000 - 56,000 BTU  
16 SEER

## MULTI ZONE INDOOR UNIT

- Wallmount (48,000 - 56,000 Btu Only)
- Independence (18,000 - 42,000 Btu Only)
- Console
- Floorceiling
- Slimduct
- Cassette

MULTI-MIX (MULTI PORTS)



MODELS Outdoor Unit			TM18H4O	TM24H4O	TM30H4O	TM36H4O	TM42H3O	TM48H2O	TM56H2O
Number of ports			2 ports	3 ports	4 ports	5 ports	5 ports	Up to 8 units	Up to 9 units
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)	47,800 (3,412 - 54,592)	52,900 (3,412 - 61,416)
	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)	54,600 (4,090 - 59,368)	61,400 (4,090 - 63,122)
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	8.2 / 3.64	8.2 / 3.46
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		CFM	1,883	2,354	2,354	4,531	4,531	3,766	4,119
Operating Range	Cooling	°C	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48	-18 ~ 48	-15 ~ 48	-15 ~ 48
		°F	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	0 ~ 118	5 ~ 118	5 ~ 118
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 30	-20 ~ 30	-20 ~ 30	-20 ~ 24	-20 ~ 24
		°F	-5 ~ 75	-5 ~ 75	-5 ~ 86	-5 ~ 86	-5 ~ 86	-5 ~ 75	-5 ~ 75
Sound Pressure Level		dB(A)	56	59	59	61	61	55	57
Piping Connection	Liquid	in.	2 x 1/4	3 x 1/4	4 x 1/4	5 x 1/4	5 x 1/4	8 x 3/8	9 x 3/8
	Gas	in.	2 x 3/8	3 x 3/8	4 x 3/8	5 x 3/8	5 x 3/8	8 x 5/8	9 x 5/8
Dimensions (WxHxD)		in.	37.6x27.5x15.6	38.6x31.1x16.8	38.6x31.1x16.8	42.8x43.4x17.3	42.8x43.4x17.3	53x35.4x13.4	53x35.4x13.4
Net/Gross Weight		lbs	114.4 / 125	152.9 / 164.2	154.0 / 169	198.0 / 216	198.4 / 216	255.2 / 282	255.2 / 282
Max. Total Piping		ft.	65.6	196.8	229.6	246.0	246.0	443.0	476.0
Max. Single Distance		ft.	32.8	65.6	82.0	82.0	82.0	229	229
Max Elevation		ft.	32.8	32.8	49.2	49.2	49.2	98.4	98.4
Refrigerant Charge		lbs	3.5	4.8	6.2	8.0	8.0	10.9	10.9
MOCP		A	25	30	30	35	40	50	50

\* Only TM18H4O, TM24H4O, TM30H4O, TM36H4O are Energy Star

MULTI-ZONE  
INDOOR SYSTEM  
WALLMOUNT

9,000 BTU TO 18,000 BTU  
Easy Install

**TOSOT**  
MULTI-ZONE



TRYB1FA

MODEL		TW09HM2C2DI	TW12HM2C2DI	TW18HM2C2DI
Cooling/Heating Capacity	Btu/h	9,000/9,800	12,000/13,000	18,000/19,790
Sound Pressure Level (L/H)	dB(A)	33 / 44	33 / 44	35 / 49
Dehumidification	pt/h	1.69	2.96	3.8
Air Flow (L/H)	CFM	218 / 306	218/335	324/500
Dimensions (WxHxD)	in.	33.4 x 11.4 x 8.2	33.4 x 11.4 x 8.2	37 x 11.7x 7.9
Net/Gross Weight	lbs	22.1 / 27.6	22.1 / 27.6	28.7 / 35.3
Piping Connection	Liquid	in.	1/4	1/4
	Gas	in.	3/8	3/8

MULTI-ZONE  
INDOOR SYSTEM  
INDEPENDENCE

9,000 BTU TO 24,000 BTU  
Easy Install

**TOSOT**  
MULTI-ZONE



TRYAN1F1F

MODEL		TW09H Q2A1DI/I	TW12H Q2A1DI/I	TW18H Q2A1DI/I	TW24H Q2A1DI/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	dB(A)	29 / 43	29 / 45	39 / 47	36 / 48
Dehumidification (L/H)	pt/h	1.69	2.96	3.80	4.23
Air Flow (L/H)	CFM	171/377	171/400	335/559	530/706
Dimensions (WxHxD)	in.	33.4x11.4x 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	lbs	22.1 / 26.5	22.1 / 26.5	27.6 / 34.2	34.2 / 41.9
Piping Connection	Liquid	in.	1/4	1/4	1/4
	Gas	in.	3/8	1/2	5/8

MULTI-ZONE  
INDOOR SYSTEM  
CONSOLE

9,000 BTU TO 12,000 BTU  
Floor Warming Function

**TOSOT**  
MULTI-ZONE



TRYAA1FB1

MODEL		TM09HEDI	TM12HEDI
Cooling/Heating Capacity	Btu/h	9,000/9,500	12,000/13,000
Sound Pressure Level	dB(A)	25 / 40	27 / 43
Dehumidification (L/H)	pt/h	1.69	2.95
Air Flow (L/H)	CFM	188/382	206/441
Dimensions (WxHxD)	in.	27.6 x 23.6 x 8.5	27.6 x 23.6 x 8.5
Net/Gross Weight	lbs	33.1 / 39.7	33.1 / 39.7
Piping Connection	Liquid	in.	1/4
	Gas	in.	3/8



MULTI-ZONE  
INDOOR SYSTEM  
FLOORCEILING

9,000 BTU TO 24,000 BTU  
Wide Air Discharge

**TOSOT**  
MULTI-ZONE



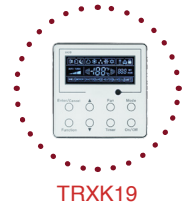
TRYT1F

MODEL		TM09HTDI	TM12HTDI	TM18HTDI	TM24HTDI
Cooling/Heating Capacity	Btu/h	8,500/9,500	11,900/13,100	17,000/18,700	22,800/27,400
Sound Pressure Level	dB(A)	36 / 40	36 / 40	40 / 45	44 / 48
Dehumidification	pt/h	1.69	2.96	3.80	5.28
Air Flow	CFM	265/383	265/383	294/559	412/736
Dimensions (WxHxD)	in.	48.0x27.6x8.9	48.0x27.6x8.9	48.0x27.6x8.9	48.0x27.6x8.9
Net/Gross Weight	lbs	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

MULTI-ZONE  
INDOOR SYSTEM  
SLIMDUCT

9,000 BTU TO 24,000 BTU  
Powerful & Concealed

**TOSOT**  
MULTI-ZONE



TRXK19

MODEL		TM09HFDDI	TM12HFDDI	TM18HFDDI	TM24HFDDI
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	pt/h	1.69	2.96	3.8	5.3
Air Flow (L/H)	CFM	147/265	176/324	294/412	324/588
Dimensions (WxHxD)	in.	27.6x7.9x24.2	27.6x7.9x24.2	35.4x7.9x24.2	43.3x7.9x24.2
Net/Gross Weight	lbs	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	1/2
ESP	InWg	0.25/0.4	0.3/0.4	0.32/0.4	0.35/0.4

MULTI-ZONE  
INDOOR SYSTEM  
CASSETTE

12,000 BTU TO 24,000 BTU  
Breeze Free Discharge

**TOSOT**  
MULTI-ZONE



TRYT1F

MODEL		TM12HKDI	TM18HKDI	TM24HKDI
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	pt/h	2.96	3.80	5.28
Air Flow (L/H)	CFM	265/353	265/353	500/694
Dimensions (WxHxD)	body	in.	22.4x9.1x22.4	22.4x9.1x22.4
	panel	in.	25.5x1.9x25.5	25.5x1.9x25.5
Net/Gross Weight	lbs	39.6/51	39.6/51	61.7/77
Piping Connection	Liquid	in.	1/4	3/8
	Gas	in.	3/8	5/8

## MULTI-MIX COMBINATIONS POSSIBILITIES

COMBINATIONS	TM18H4O	TM24H4O	TM30H4O	TM36H4O	TM42H3O
09 + 09	●	●	●	●	●
09 + 12	●	●	●	●	●
09 + 18		●	●	●	●
09 + 24			●	●	●
12 + 12		●	●	●	●
12 + 18		●	●	●	●
12 + 24			●	●	●
18 + 18		●	●	●	●
18 + 24			●	●	●
24 + 24				●	●
09 + 09 + 09		●	●	●	●
09 + 09 + 12		●	●	●	●
09 + 09 + 18		●	●	●	●
09 + 09 + 24			●	●	●
09 + 12 + 12		●		●	●
09 + 12 + 18			●	●	●
09 + 12 + 24				●	●
09 + 18 + 18				●	●
12 + 12 + 12		●	●	●	●
12 + 12 + 18			●	●	●
12 + 12 + 24				●	●
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09 + 09 + 09 + 09			●	●	●
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09 + 12 + 12 + 18					●
12 + 12 + 12 + 12				●	●
09 + 09 + 09 + 09 + 09			●	●	●
09 + 09 + 09 + 09 + 12				●	●



### WANT MORE INFORMATION ?

We'll be there for you



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### WARRANTY

The warranty of our products are 5 years on compressor and 1 year on parts. We also propose extended warranties depending on your needs. For more information visit our website [tosothvac.com](http://tosothvac.com)



United States, Canada &  
Latin America

## GLOSSARY

### AIRFLOW

A measure of the amount of air per unit of time that passes through the device. It is measured either in CFM (cubic foot per minute) or m<sup>3</sup>/h (cubic meter per hour).

### COP

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

### EER

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 environment friendly and allows for the design of smaller and more efficient systems compared to R-22.

### BTU/h

BTU or 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 Pth.

### HSPF

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

### SEER

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.



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