

CASSETTE

DUCT TYPE

FLOOR CEILING



TQSOT



CATALOG
LIGHT COMMERCIAL
18K BTU - 48K BTU



1-to-1 COMMERCIAL SERIES

About our products

The Tosot 1-to-1 commercial series of Air Conditioners was designed for applications where the requirements are greater and/or more complex than the typical residence. They offer great flexibility as you can mix and match from a variety of indoor unit types (floor-ceiling, cassette, or duct type) to best suit the architectural design.

Installation is easier and less costly than conventional HVAC systems as no brazing is required.

The 1-to-1 Commercial Series is available in sizes ranging from 18k to 48k BTUs (1.5 to 4 tons) which are ideal for cooling, and heating light commercial spaces.

What can I find in this catalog ?

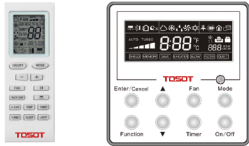
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Want to know more about us and our products ?
Visit our website tosothvac.com

TOSOT

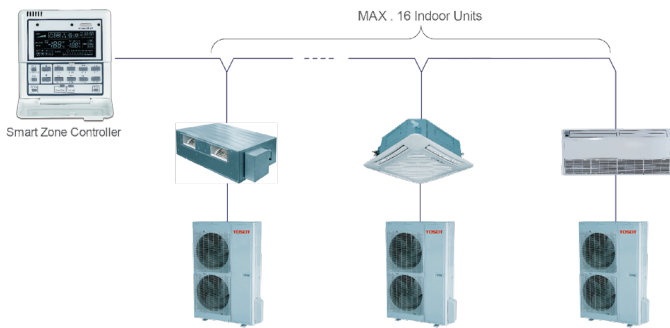
1-to-1 COMMERCIAL INVERTER SERIES

Remote & Wired Controller



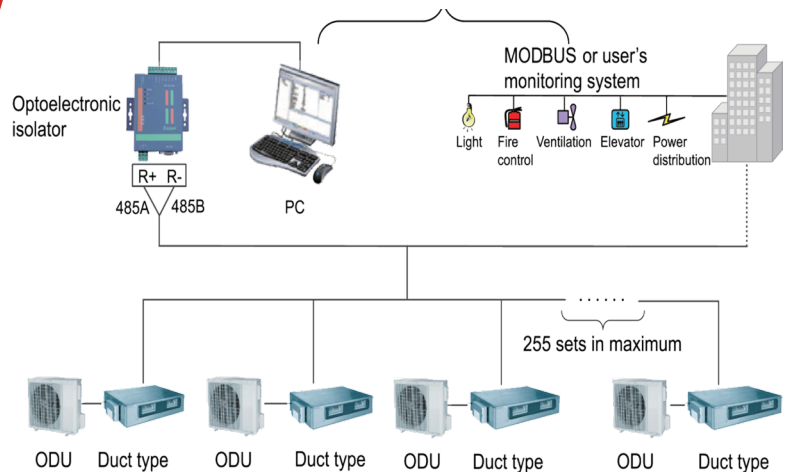
Centralized Control Function

The indoor unit is equipped with an interface that can be managed by the smart zone controller. This wireless device can control a maximum of 16 indoor units and can manage the power on/off, mode, fan speed, temperature setting and timer of one single unit, or a whole group of units.



Interface (MODBUS Protocol) and Long-distance Monitoring

The system comes with a built in MODBUS interface. (If the unit is to be connected with a building management system, please consult your dealer for the development of MODBUS protocol). When activated, the system operation information will be sent to the building management system in order to control and monitor the units.



Non-polar Communication Wire

For the communication between the indoor unit and outdoor unit, and the communication between wired controller and indoor mainboard, you can use non-polar communication wire. General 2-core power cord or telephone wire can be used as the communication wire, instead of the shielded twisted pair wire.

MORE INTELLIGENT CONTROL

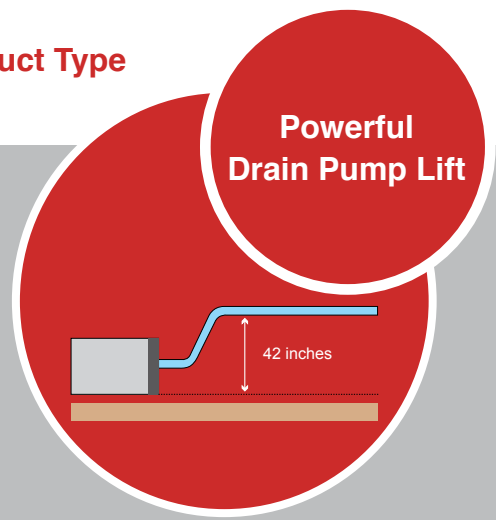
INDOOR UNIT FEATURES

- **Duct Type**
- **Cassette Type**
- **Floor or Ceiling Type**

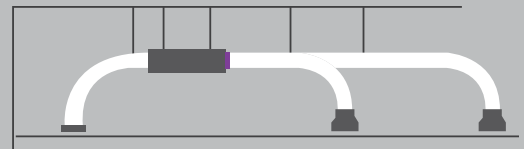


Outdoor Unit

Duct Type



The static pressure can be adjusted within a range of 0 to 0.62 Inwg depending on various installation requirements.

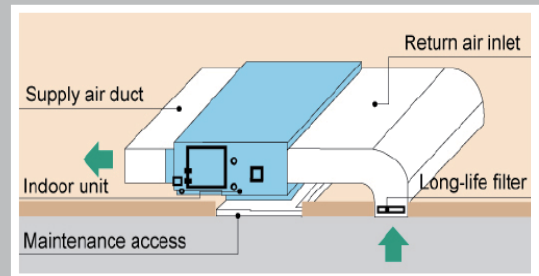


Adjustable Fan Speed

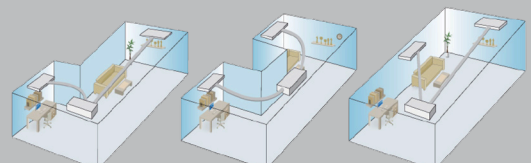
There are three fan speeds available (high, medium and low) on the indoor units to meet different requirements.

Highly Flexible Installation

Highly flexible installation is possible to satisfy various needs.



Flexible and easy to install in L shape, U shape and large rooms.



Cassette

**3-dimensional
Blade for quiet
operation**

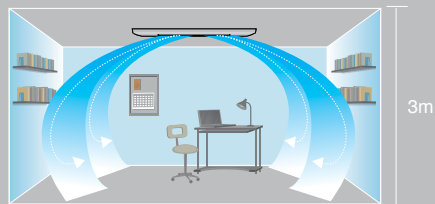


High Ceiling Applications

The 24K to 48K units are applicable for ceiling heights of up to 15 feet

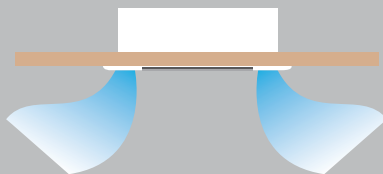


Units below 24K are applicable for ceiling heights below 10 feet.



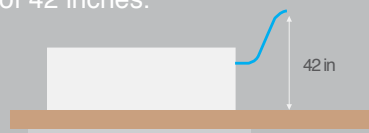
Comfortable Airflow

Air can be blown in different directions with 30 to 60 degrees of swing angle for even temperature distribution.



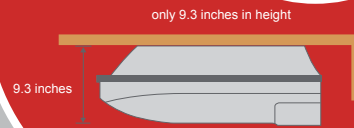
Water Drainage Pump

The standard drain pump has an increased lift of 42 inches.



Floor or Ceiling

**Compact
Design**



Wide Discharge Range

The air supply range is wider due to the cross directional sweep motion.



Easy Maintenance

Convenient disassembly and maintenance are possible thanks to the unique design.

Microcomputer Control

All of the control functions are controlled by a microcomputer which not only shows all running modes and temperatures but also has a malfunction diagnosis and data search function.

Flexible Installation

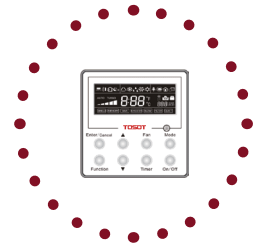
These indoor units can be installed on either the ceiling or the wall.



TOSOT

PRODUCT LINEUP

- Duct Type
- Cassette Type
- Floor or Ceiling Type



TRXK60



TRYB1FAF



TRYB1FAF

DUCT

MODEL			Ductable unit TU-HFI with outdoor unit TU-H30						
			18	24	30	36	42	48	
Capacity	Cooling	BTU/h	17,100 (5,400-19,800)	23,800 (7,400-29,000)	28,200 (8,200-33,600)	34,000 (10,800-39,000)	39,500 (12,000-42,500)	48,000 (20,400-49,500)	
	Heating	BTU/h	18,800 (4,700-23,200)	27,200 (8,200-32,400)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (13,000-52,500)	54,500 (17,500-58,000)	
SEER/HSPF			16.00/9.50	16.00/9.00	16.00/9.00	16.00/9.00	16.00/9.00	16.00/9.00	
Power supply		V/ph/hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	
Rated current input	Cooling	A	12.79	19.44	19.95	23.79	24.55	34.27	
	Heating	A	12.28	20.46	20.97	24.30	24.81	34.27	
Refrigerant charge		Oz	49.4	77.6	84.7	123.5	130.5	141.1	
COP		WW	3.33	3.39	2.97	3.20	3.33	3.11	
Dehumidification		Pint/h	1.4	1.9	2.2	2.7	3.0	3.8	
Indoor Unit	Airflow	CFM	585	820	820	1,175	1,175	1,470	
	ESP	inWg	0.12	0.3	0.3	0.4	0.4	0.5	
	Sound pressure level (L/H)	dB(a)	28/40	40/47	40/47	44/53	44/53	45/55	
	dimensions (WxHxD)	Outline	inch	40.8x10.5x28.4	50.4x10.6x22.0	50.4x10.6x22.0	48.3x11.4x30.5	48.3x11.4x30.5	52.8x13.8x29.5
	Weight	Net/gross	Lbs	72.8/83.8	75.0/86.0	77.2/86.0	101.4/116.9	101.4/116.9	123.5/143.3
Outdoor unit	Sound Pressure level	dB(a)	56	57	58	63	61	59	
	Dimensions (WxHxD)	Outline	inch	37.6x27.6x15.6	38.6x31.1x16.8	38.6x31.1x16.8	43.6x43.3x17.3	37.7x53.1x16.2	37.7x53.1x16.2
	Weight	Net/Gross	Lbs	105.8/114.7	152.1/163.2	158.8/168.8	205.1/222.7	209.5/231.5	231.5/253.6
Connection pipe diameter		Liquid	inch	1/4	3/8	3/8	3/8	3/8	3/8
		Gas	inch	1/2	5/8	5/8	5/8	5/8	5/8
Maximum pipe length		ft	65.6	98.4	98.4	98.4	164	164	
Maximum elevation		ft	49.2	49.2	49.2	49.2	98.4	98.4	
MOCP		A	25	40	40	45	50	70	

CASSETTE

MODEL			Cassette TU-HKI with outdoor unit TU-H3O						
			18	24	30	36	42	48	
Capacity	Cooling	BTU/h	17,100 (5,400-18,700)	23,800 (8,200-29,000)	28,200 (8,800-31,400)	34,000 (10,800-39,000)	39,500 (11,000-41,000)	48,000 (20,400-50,500)	
	Heating	BTU/h	18,400 (4,700-22,200)	27,200 (8,200-32,400)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (12,000-51,000)	54,500 (17,500-61,500)	
SEER/HSPF			16.00/9.50	16.00/9.00	17.00/9.00	16.00/9.00	16.00/9.00	16.00/9.00	
Power supply		V/ph/hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	
Rated Current Input	Cooling	A	12.79	19.44	19.95	23.79	24.30	34.27	
	Heating	A	12.28	20.46	20.97	24.30	25.06	33.25	
Refrigerant Charge		Oz	43.5	77.6	84.7	123.5	130.5	141.1	
COP		WW	3.00	3.39	3.68	3.20	2.92	3.3	
Dehumidification		Pint/h	1.8	2.4	3.0	3.4	3.7	4.5	
Indoor Unit	Airflow		CFM	445	765	880	1,095	1,095	1,350
	Sound pressure level (L/H)		dB(a)	37/47	38/47	40/49	43/51	43/51	41/53
	Body dimensions (WxHxD)	Outline	inch	26.2x9.4x23.5	36.1x9.4x33.1	36.1x12.6x33.1	36.1x12.6x33.1	36.1x12.6x33.1	35.8x11.4x35.8
	Body Weight	Net/gross	Lbs	44.1/49	59.5/63	70.6/74	70.6/74	70.6/74	94.8/97
	Panel dimensions (WxHxD)	Outline	Inch	26.4x2.0x26.4	37.5x2.4x37.5	37.5x2.4x37.5	37.5x2.4x37.5	37.5x2.4x37.5	40.9x2.6x40.9
	Panel Weight	Net/gross	Lbs	7.7/11.0	15.4/24.3	15.4/24.3	15.4/24.3	15.4/24.3	17.6/26.5
Outdoor unit	Sound Pressure level		dB(a)	56	57	58	63	61	59
	Dimensions (WxHxD)	Outline	inch	37.6x27.6x15.6	38.6x31.1x16.8	38.6x31.1x16.8	43.6x43.3x17.3	37.7x53.1x16.2	37.7x53.1x16.2
	Weight	Net/Gross	Lbs	105.8/114.7	152.1/163.2	158.8/168.8	205.1/222.7	209.5/231.5	231.5/253.6
Connection pipe diameter		Liquid	inch	1/4	3/8	3/8	3/8	3/8	3/8
		Gas	inch	1/2	5/8	5/8	5/8	5/8	5/8
Maximum pipe length		ft	65.6	98.4	98.4	98.4	164	164	
Maximum elevation		ft	49.2	49.2	49.2	49.2	98.4	98.4	
MOCP		A	25	40	40	45	50	70	

FLOOR CEILING

MODEL			Floor/Ceiling unit TU-HTI with outdoor unit TU-H3O						
			18	24	30	36	42	48	
Capacity	Cooling	BTU/h	17,100 (5,400-19,800)	23,800 (8,200-27,800)	28,200 (8,800-31,400)	34,000 (10,800-39,000)	39,500 (12,000-42,500)	48,000 (20,400-50,500)	
	Heating	BTU/h	19,100 (4,700-23,200)	27,200 (8,200-30,600)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (13,000-52,500)	54,500 (17,500-61,500)	
SEER/HSPF			17.00/9.50	16.00/9.00	17.00/9.00	16.00/9.00	16.00/9.00	16.00/9.00	
Power supply		V/ph/hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	
Rated Current Input	Cooling	A	12.79	19.44	19.95	23.79	24.55	34.27	
	Heating	A	12.28	20.46	20.97	24.30	24.81	34.27	
Refrigerant charge		Oz	49.4	77.6	84.7	123.4	130.5	141.1	
COP		WW	3.61	3.39	3.54	3.20	3.21	3.48	
Dehumidification		Pint/h	1.6	2.1	2.6	3.2	3.4	4.2	
Indoor Unit	Airflow		CFM	585	705	880	1,115	1,115	1,350
	Sound pressure level (L/H)		dB(a)	32/44	40/49	38/49	46/54	47/55	46/56
	Dimensions (WxHxD)	Outline	inch	48.0x27.6x8.9	48.0x27.6x8.9	55.9x27.6x9.6	55.9x27.6x9.6	55.9x27.6x9.6	66.9x27.6x9.6
	Weight	Net/gross	Lbs	86.0/105.8	88.2/110.3	105.8/123.5	105.8/123.5	110.3/127.9	130.1/149.9
Outdoor unit	Sound Pressure level		dB(a)	56	57	58	63	61	59
	Dimensions (WxHxD)	Outline	inch	37.6x27.6x15.6	38.6x31.1x16.8	38.6x31.1x16.8	43.6x43.3x17.3	37.7x53.1x16.2	37.7x53.1x16.2
	Weight	Net/Gross	Lbs	105.8/114.7	152.1/163.2	158.8/168.8	205.1/222.7	209.5/231.5	231.5/253.6
Connection pipe diameter		Liquid	inch	1/4	3/8	3/8	3/8	3/8	3/8
		Gas	inch	1/2	5/8	5/8	5/8	5/8	5/8
Maximum pipe length		ft	65.6	98.4	98.4	98.4	164	164	
Maximum elevation		ft	49.2	49.2	49.2	49.2	98.4	98.4	
MOCP		A	25	40	40	45	50	70	

The logo for TOSOT, featuring the letters 'TOSOT' in a bold, red, sans-serif font. The 'O's are stylized with a white outline and a shadow effect, giving the logo a three-dimensional appearance.

TOSOT

5965 Chemin de la Côte de Liesse
Saint-Laurent, QC, Canada H4T 1C3

Contact: +1 (438) 792-1956

tsothvac.com