TOSOT

GREE

TOSOT Residential and Light Commercial Split Systems

PRODUCT CATALOG

www.tosotdirect.com

CONTENTS

01 **Cosmo Series**
Residential Single-Zone Wall-Mount Split ACs

03 **Aoraki Series**
Residential Single-Zone Wall-Mount Split AC
Mini-ERV Fresh Air System

05 **Cosmo Series**
Residential Multi-Zone Wall-Mount Split ACs

08 **All-Match**
Light Commercial Single-Zone Split Systems

12 **Feature Checklist**

Cosmo Series

Residential Single-Zone Wall-Mount Split ACs

Cosmo: The Economical and Greener Choice for Single-Zone Cooling and Heating

KEY FEATURES

WiFi Enabled

Control your indoor unit anytime, anywhere using the TOSOT+ app. Enjoy full remote access and scheduling at your fingertips.

Blue Fin Protection

The heat exchange fins are treated with Blue Fin technology, offering enhanced resistance to rust and corrosion. Both the evaporator and condenser feature all-copper coils that are deoxidized for extended durability and performance.

Energy Efficiency

As the budget-friendly option of the collection, the Cosmo Series still delivers impressive performance, with EERs up to 3.72 and COPs up to 4.67—helping you save on energy bills without sacrificing comfort.

Easy Installation

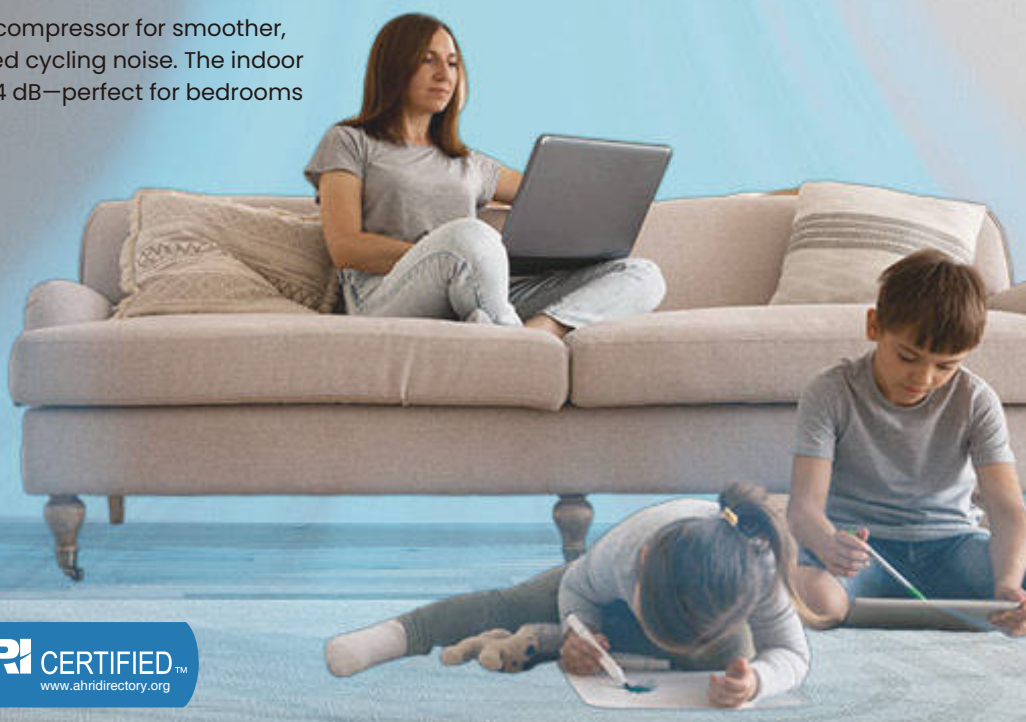
The standard package includes everything needed for installation. Comes with a 16 ft. piping kit, with extended options available for up to 50 ft., making it flexible for various room sizes and layouts.

Quiet Operation

Equipped with a Full DC inverter compressor for smoother, quieter performance and reduced cycling noise. The indoor unit operates as quietly as 24–34 dB—perfect for bedrooms and other quiet spaces.

R32 Refrigerant

Uses R32 refrigerant, which offers higher cooling efficiency and a significantly lower environmental impact—minimizing ozone depletion and global warming potential.



5 YEARS WARRANTY

Intertek

AHRI CERTIFIED™ www.ahridirectory.org

Model		GWH09ATC XB-A6DNA1C	GWH09ATC XB-D6DNA1C	GWH12ATC XB-A6DNA1A	GWH12ATC XB-D6DNA1A	GWH18ATD XD-D6DNA1A	GWH24ATE XF-D6DNA1F	GWH30ATE XH-D6DNA1G	GWH36ATE XH-D6DNA1G
Performance									
Capacity Range	Cool (Btu/h)	9100	9100	12000	12000	18000	24000	30000	33600
	Heat (Btu/h)	10000	10000	12000	12000	19100	24000	30000	34000
EER/COP	W/W	3.5/3.65	3.66/3.8	2.73/3.50	2.85/3.50	3.52/3.9	3.5/3.6	3.2/3.2	3.05/3.11
SEER2/HSPF2		20.5/8.8	20.5/8.8	19/8.5	19/8.5	20/8.5	19/8.5	22/9	21/8.5
Airflow (SH/SL)	CFM	353/159	353/159	424/182	424/182	618/282	677/412	794/441	794/441
Ambient Temp.	°F	-13-118	-13-118	-13-118	-13-118	-13-118	-13-118	-13-122	-13-122
Indoor Sound Level (SH/SL)	dB (A)	43/24	41/21	47/22	47/22	53/30	51/36	52/36	52/36
Electrical									
Power Supply	Ph-V-Hz	103/126V~ 60Hz, 1Ph	208/230V~ 60Hz, 1Ph	103/126V~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph
Rated Current	A	15.4	7	14.64	7.47	9.5	11	20	20
Rated Input	W	1500	1300	1650	1650	2300	2600	4000	4000
Power Cable Size Min.		3*12AWG	3*18AWG	3*12AWG	3*16AWG	3*16AWG	3*14AWG	3*10AWG	3*10AWG
Breaker Size Min.		115V 30-Amp	230V 20-Amp Double Pole	115V 30-Amp	230V 30-Amp Double Pole	230V 30-Amp Double Pole	230V 30-Amp Double Pole	230V 50-Amp Double Pole	230V 50-Amp Double Pole
Max. Over Current Protection	A	20	15	20	15	15	20	30	35
Min. Current (MCA)	A	19	10	19	12	13	15	26	23
Piping									
Refrigerant		R32	R32	R32	R32	R32	R32	R32	R32
Pipe Length	ft	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
Pipe Size	Liquid (mm)	φ6	φ6	φ6	φ6	φ6	φ6	φ6	φ6
	Gas (mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ12	φ12	φ16	φ16
Max Distance Length/Height	ft	65/40	65/40	65/40	65/40	131.2/82	131.2/82	131.2/82	131.2/82
Dimensions									
Dimensions (HxWxD)	Indoor (inches)	32.9x10.8x7.9	32.9x10.8x7.9	32.9x10.8x7.9	32.9x10.8x7.9	37.1x13.1x9.7	42.4x13.1x9.7	42.4x13.1x9.7	42.4x13.1x9.7
	Outdoor (inches)	28.8x21.9x13	28.8x21.9x13	28.8x21.9x13	28.8x21.9x13	31.6x21.9x13.8	37.7x26x15.8	39.4x29.4x16.8	39.4x29.4x16.8
Weights	Indoor (lbs)	19.8	19.8	19.8	19.8	28.7	33.1	34.2	34.2
	Outdoor (lbs)	55.1	52.9	58.4	56.2	70.6	93.7	116.8	122.4

* Data provided by AHRI

** Indoor unit shape might be slightly different. Please refer to the actual models.

Aoraki Series

Residential Single-Zone Wall-Mount Split AC

Aoraki: A Step Ahead in Comfort, Efficiency, and Air Quality

Experience the perfect fusion of whisper-quiet operation, cutting-edge energy efficiency, and advanced indoor air quality technologies with the Aoraki Series—engineered for smarter, healthier living.

KEY FEATURES

WiFi Enabled

Control your indoor unit anytime, anywhere using the TOSOT+ app. Enjoy full remote access and scheduling at your fingertips.

Smart Humidity Control

Set adjustable humidity levels between 30%–80%. In cooling mode, the unit automatically adjusts humidity based on human comfort. In dry mode, continuous dehumidification removes excess moisture regardless of the weather.

Ultra-Quiet

Enjoy the quietest performance in our single-zone lineup, with indoor noise levels as low as 19 dB. In sleep mode, the outdoor unit operates at a whisper-quiet 40 dB, ensuring a restful environment day and night.

ERV Compatible

Compatible with an optional Energy Recovery Ventilation (ERV) accessory, which circulates fresh outdoor air indoors without needing to open windows or doors. Integrated HEPA filters remove dust and mold for enhanced indoor air quality and health protection.

Industrial-Leading Efficienicy

ENERGY STAR® certified and eligible for potential tax rebates. With up to 24.5 SEER2 and 9.5 HSPF2 ratings, the Aoraki Series can reduce energy consumption by up to 59% compared to traditional 20 SEER systems.

Convenient Cleaning & Maintenance

The overhead filter and air outlet are easily removable for direct cleaning. Auto Clean technology uses a multi-step process—including condensation, frosting, sterilization, and defrosting—to remove dirt, eliminate odors, and maintain fresh airflow.

Refrigerant Leakage Sensor

Built-in sensors monitor refrigerant levels and detect any leakage. If a leak is detected, the system automatically triggers a fault alarm and shuts down to prevent further release and potential hazards.

Mini-ERV Fresh Air System

- **HEPA Filter**
- **Sync or Work Independently**
- **Condensation Protection**
- **Two-way Ventilation**
- **45° Airflow Design**
- **7 Fan Speed**

5 YEARS WARRANTY

Intertek

ENERGY STAR

AHRI CERTIFIED™ www.ahridirectory.org

Residential Single-Zone Wall-Mount Split AC

Model		GWH12AUCXD-A6DNA1B	GWH12AUCXD-D6DNA1B	GWH18AUDXF-D6DNA1A	GWH24AUDXH-D6DNA1A
Performance					
Capacity Range	Cool (Btu/h)	12000	12000	18000	22000
	Heat (Btu/h)	12000	12000	18000	24000
EER/COP	W/W	3.81/3.81	3.81/3.81	4.01/3.91	3.85/3.15
SEER2/HSPF2		24.5/9.5	24.5/9.5	24.5/9.0	24/9
Airflow (SH/SL)	CFM	400/212	400/212	589/324	559/235
Ambient Temp.	°F	-20-122	-20-122	-20-122	-20-122
Indoor Sound Level (SH/SL)	dB (A)	43/20	43/20	48/29	48/30
Electrical					
Power Supply	Ph-V-Hz	103/126V~60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph
Rated Current	A	15.38	6.64	11.5	17.2
Rated Input	W	1450	1450	2350	3850
Max. Over Current Protection	A	20	15	20	25
Min. Current (MCA)	A	19	10	16	23
Piping					
Refrigerant		R32	R32	R32	R32
Pipe Length	ft	24.6	24.6	24.6	24.6
Pipe Size	Liquid (mm)	φ6	φ6	φ6	φ6
	Gas (mm)	φ12	φ12	φ12	φ16
Max Distance Length/Height	ft	65/40	65/40	131.2/82	131.2/82
Dimensions					
Dimensions (HxWxD)	Indoor (inches)	32.95x11.53x7.88	32.95x11.53x7.88	39.09x12.25x8.73	39.09x12.25x8.73
	Outdoor (inches)	34.32x15.67x24.44	34.33*15.67*24.38	40.52x17.83x28.16	42.41x18.89x30.90
Weights	Indoor (lbs)	20.9	20.9	29.8	29.8
	Outdoor (lbs)	69.5	67.3	94.8	103.6

Mini-ERV Fresh Air System

Model		SU-AORAKH-ERV
Performance		
Airflow (SH/SL)	CFM	17
Indoor Sound Level (SH/SL)	dB(A)	42/19
Rated Voltage	V	12±0.5
Power Input	W	13
Dimensions		
Dimensions (HxWxD)	inches	
Weights	lbs	3.97

Scan to see more ERV features

* Data provided by AHRI

Cosmo Series

Residential Multi-Zone Wall-Mount Split ACs

Cosmo Multi-Zone Split AC: One system house all

Flexible heating and cooling for multiple rooms—powered by a single outdoor unit. The Cosmo Multi-Zone system is built for performance, versatility, and energy savings, with extended piping options and reliable operation in extreme temperatures.

KEY FEATURES

ENERGY STAR® Certified

Rated up to 21 SEER2 and 10 HSPF2, the system is ENERGY STAR® certified and may qualify for tax rebates. It delivers up to 24% energy savings compared to conventional 16 SEER2 units.

Individual Comfort

Each indoor unit can be independently controlled, scheduled, and adjusted to the preferred temperature—via remote or the TOSOT+ app—ensuring personalized comfort in every room.

Refrigerant Leakage Sensor

Built-in sensors continuously monitor refrigerant levels. If a leak is detected, the system shuts down automatically and issues a fault alert to prevent further release or damage.

Extra Long Piping

Supports a maximum piping length of up to 100 meters and vertical elevation of 25 meters, enabling flexible installation across large homes or multi-level buildings.

Low amibient Heating & Cooling

Engineered for extreme climates, the system delivers cooling in outdoor temperatures up to 118°F (48°C) and reliable heating down to -22°F (-30°C), making it ideal for all-season comfort.

Cosmo Series Indoor

All indoor units feature the sleek, quiet, and efficient design of the Cosmo Series. Flip to the feature checklist to discover all the advanced functions available across the lineup.

5 YEARS WARRANTY

Intertek

ENERGY STAR

AHRI CERTIFIED™ www.ahridirectory.org

GWHD(18)ND6MO

GWHD(24)ND6MO

GWHD(30)ND6MO, GWHD(36)ND6MO

Universal Indoor Unit

Outdoor Condenser Specs

Model		GWHD(18)ND6MO	GWHD(24)ND6MO	GWHD(30)ND6MO	GWHD(36)ND6MO
Performance					
Capacity Range	Cool (Btu/h)	18000	24000	28400	36000
	Heat (Btu/h)	18000	24000	30000	36000
EER/COP	W/W	3.52/3.9	3.8/3.9	4/4.19	3.52/3.56
SEER2/HSPF2		21/10	21/10	21/10	21/10
Airflow	CFM	1354	2236	3413	3413
Ambient Temp.	°F	-22-118	-22-118	-22-118	-22-118
Maximum Number of Zones	Unit	2	2	3	4
Sound Level	dB (A)	54	58	62	63
Electrical					
Power Supply	Ph-V-Hz	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph	208/230~ 60Hz, 1Ph
Rated Current	A	11	14/14.8	20/21.73	21.73/22.6
Rated Input	Cool (W)	1500	1850	2075	3000
	Heat (W)	1350	1800	2100	2960
Max. Over Current Protection	A	20	25	35	45
Min. Current (MCA)	A	14.5	19.5	23	30
Piping					
Refrigerant		R32	R32	R32	R32
Pipe Length	ft	16	16	16	16
Pipe Size	Liquid (mm)	φ6	φ6	φ6	φ6
	Gas (mm)	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions					
Dimensions (HxWxD)	inches	32.36x13.86x21.66	37.95x15.83x25.98	40.16x16.81x32.52	40.16x16.81x32.52
Weights	lbs	78.3	112.5	145.5	173.1

* Data provided by AHRI

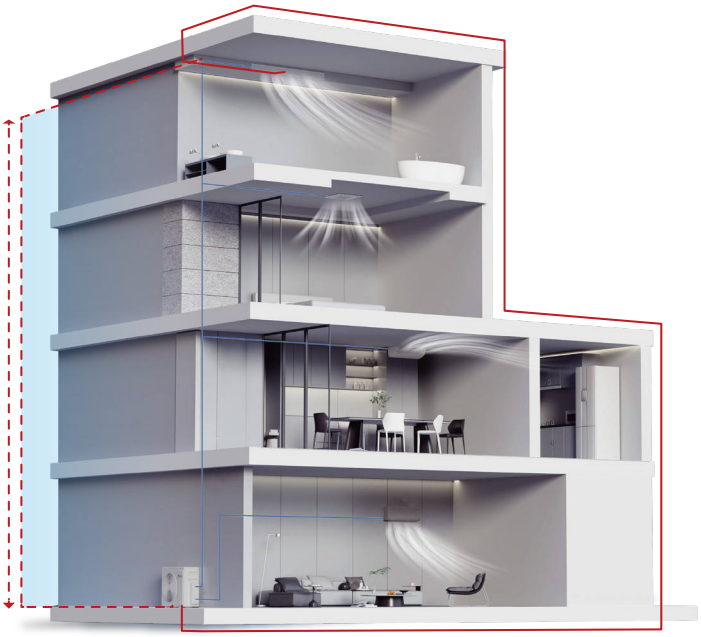
Indoor Wall-Mount Unit Specs

Model		SU-COSMO9-230/I	SU-COSMO12-230/I	SU-COSMO18-230/I
Electrical				
Power Supply	Ph-V-Hz	208/230V,60Hz,	208/230V,60Hz,	208/230V,60Hz,
Airflow	CFM	353	424	618
Sound Level(SH/SL)	dB (A)	41/21	47/22	53/30
Dimensions				
Dimensions (HxWxD)	(inches)	32.9x10.8x7.9	32.9x10.8x7.9	37.1x13.1x9.7
Weights	(lbs)	19.8	19.8	28.7

Multi-Zone Match Ups

Outdoor condenser	Two Units	Three Units	Four Units
18K	9K+9K	/	/
24K	12K+12K	/	/
30K	12K+18K	9K+9K+12K	/
36K	12K+24K	12K+12K+12K	9K+9K+9K+9K
	18K+18K	9K+9K+18K	

MAX Connection - Extra Long Piping



82ft
Maximum vertical drop of connection pipe

328ft
Maximum total connection pipe length

All-Match

Light Commercial Single-Zone Split Systems

Conceal-Ducted | 8-Way Ceiling Cassette | Floor-Standing

34,000 BTU Floor Standing AC: Powerful Cooling, Sleek Deisgn

KEY FEATURES

Floor Standing Design

Vertically installed for minimal footprint and maximum stability. Ideal for areas where wall or ceiling space is limited—delivers strong performance in a wide range of room layouts.

Strong Airflow

Delivers 880–1,150 CFM of airflow—significantly more than standard wall-mounted units. Adjustable air deflectors direct airflow up to 50 ft., ensuring powerful, even cooling for large rooms or open-plan spaces.

WiFi Enabled

Control your indoor unit anytime, anywhere using the TOSOT+ app. Enjoy full remote access and scheduling at your fingertips.

DC Inverter & R32 Refrigerant

Equipped with a high-efficiency DC inverter compressor and eco-friendly R32 refrigerant. Energy-saving operation reduces power consumption while maintaining optimal cooling performance.

Sleek Design

Features a sleek, seamless front panel with hidden LED display and touch-sensitive controls. When not in use, the air deflectors close completely for a dust-resistant, clean look.

3D Airflow

Multi-directional airflow with intelligent preheating and anti-direct-blow design ensures uniform cooling and enhanced comfort across the entire room.

Model		GWH36ATEXH-D6DNA1G/O GKH(36)ECXH-D6DNA1A/I
Performance		
Capacity Range	Cool (Btu/h)	33600
	Heat (Btu/h)	34000
EER/COP	W/W	3.51/3.73
SEER2/HSPF2		20/8.5
Airflow (SH/SL)	CFM	1148
Ambient Temp.	°F	-13-122
Indoor Sound Level (SH/SL)	dB(A)	48~54
Electrical		
Power Supply	Ph-V-Hz	AC 208/230V 60Hz
Rated Current	A	20
Rated Input	W	4000
Max. Over Current Protection	A	35
Min. Current (MCA)	A	23
Piping		
Refrigerant		R32
Pipe Length	ft	16.4
Pipe Size	Liquid (mm)	φ6
	Gas (mm)	φ16
Max Distance Length/Height	ft	131.2/82
Dimensions		
Dimensions (HxWxD)	Indoor (inches)	39.38x29.38x16.81
	Outdoor (inches)	39.4x29.4x16.8
Weights	Indoor (lbs)	122.4
	Outdoor (lbs)	116.8

34,000 BTU 8-Way Ceiling Cassette: Uniform Comfort for Large Spaces

KEY FEATURES

360° Airflow Distribution

Features 8-way air outlets with 7-speed fan control for customized airflow. Wide-angle deflectors on all four sides plus strategically placed corner vents deliver balanced, shower-style air distribution. Provides powerful airflow up to 1,071 CFM—ideal for open or large areas.

Automatic Drainage

An integrated pump actively removes condensate water, enabling flexible installation without the need for gravity drainage. This reduces the risk of ceiling leaks and ensures uninterrupted operation.

Refrigerant Leakage Sensor

Built-in sensors monitor refrigerant levels and detect any leakage. If a leak is detected, the system automatically triggers a fault alarm and shuts down to prevent further release and potential hazards.

Float Switch

Real-time water level monitoring via a built-in float switch. When condensate reaches a critical height, the system triggers an overflow alarm to prevent potential ceiling damage.

Model		GWH36ATEXH-D6DNA1G/O, GFH(36)CDXH-D6DNA1C/I
Performance		
Capacity Range	Cool (Btu/h)	33600
	Heat (Btu/h)	34000
EER/COP	W/W	3.2/3.65
SEER2/HSPF2		21/8.5
Airflow (SH/SL)	CFM	1071
Ambient Temp.	°F	-13-122
Indoor Sound Level (SH/SL)	dB(A)	39~52
Electrical		
Power Supply	Ph-V-Hz	AC 208/230V 60Hz
Rated Current	A	20
Rated Input	W	4000
Max. Over Current Protection	A	30
Min. Current (MCA)	A	26
Piping		
Refrigerant		R32
Pipe Length	ft	16.4
Pipe Size	Liquid (mm)	φ6
	Gas (mm)	φ16
Max Distance Length/Height	ft	131.2/82
Dimensions		
Dimensions (HxWxD)	Panel (inches)	37.4x37.4x2.05
	Mainbody (inches)	33.1x33.1x9.5
	Outdoor (inches)	39.4x29.4x16.8
Weights	Indoor (lbs)	50.7
	Outdoor (lbs)	116.8

34,000 BTU Concealed Ducted Unit: Powerful, Flexible, and Seamlessly Integrated

KEY FEATURES

Automatic Drainage

An integrated drain pump removes the need for gravity-dependent drainage, allowing for more flexible duct routing and slimmer ceiling designs—no continuous downward slope required. Active drainage also reduces the risk of water buildup and ceiling damage.

Installation Flexibility

The standard side return air design can be easily converted to a bottom return. Both return and supply vents can be positioned on the side or bottom, enabling seamless integration with partial or full ceiling structures and diverse architectural layouts.

High Static Pressure Design

Designed for larger spaces and extended duct runs, this unit delivers adjustable external static pressure up to 1.106 in. WC (275 Pa). Ideal for high-ceiling areas and ductwork with multiple branches or bends—perfect for large residences and light commercial environments.

Two Control Options

Easily manage your system via the included wired controller or through your smartphone using the TOSOT+ app. Access customizable modes including sleep, timer, and schedule settings for precise comfort control.

Float Switch Design

A built-in float switch monitors condensate levels in real time. If water reaches a critical level, it triggers an alert via the wired controller. This safety feature works with the drain pump to ensure proper water discharge and prevent ceiling leaks.

Model		GWH36ATEXH-D6DNA1G/O GKH(36)ECXH-D6DNA1A/I
Performance		
Capacity Range	Cool (Btu/h)	33600
	Heat (Btu/h)	34000
EER/COP	W/W	3.51/3.73
SEER2/HSPF2		20/8.5
Airflow (SH/SL)	CFM	1148
Ambient Temp.	°F	-13-122
Static Pressure	Pa	0-275
Indoor Sound Level (SH/SL)	dB(A)	48~54
Electrical		
Power Supply	Ph-V-Hz	AC 208/230V 60Hz
Rated Current	A	20
Rated Input	W	4000
Max. Over Current Protection	A	35
Min. Current (MCA)	A	23
Piping		
Refrigerant		R32
Pipe Length	ft	16.4
Pipe Size	Liquid (mm)	φ6
	Gas (mm)	φ16
Max Distance Length/Height	ft	131.2/82
Dimensions		
Dimensions (HxWxD)	Indoor (inches)	39.38x29.38x16.81
	Outdoor (inches)	39.4x29.4x16.8
Weights	Indoor (lbs)	122.4
	Outdoor (lbs)	116.8

Feature Checklist

Type	Residentail Single-Zone			Residential Multi-Zone	Light-Commercial Single-Zone		
Series	Cosmo		Aoraki	Cosmo	Ducted	8-Way Cassete	Floor Standing
Model	9k-24k	30k-36k	12k-24k	18k-36k	34k	34k	34k
WiFi	√	√	√	√	√	X	√
Blue Fin	√	√	√	√	√	√	√
Turbo Cooling	√	√	√	√	√	√	√
Turbo Mode	√	√	√	√	√	√	√
Timer	√	√	√	√	√	√	√
Standby	√	√	√	√	√	√	√
Soft Start	√	√	√	√	√	√	√
Self Diagnosis	√	√	√	√	√	√	√
R32 Sensor	X	√	√	√	√	√	X
Quiet Mode	√	√	√	√	√	√	X
Multi Speeds	√	√	√	√	√	√	√
Memory	√	√	√	√	√	√	√
Low Voltage Startup	√	√	√	√	√	√	√
Low Ambient Heating	√	√	√	√	√	√	√
Low Ambient Cooling	√	√	√	√	√	√	√
Lock	√	√	√	√	√	√	√
LED Panel	√	√	√	√	X	√	√
LCD (Back Light)	√	√	√	√	X	√	√
Intelligent Preheating	√	√	√	√	√	√	√
Intelligent Defrosting	√	√	√	√	√	√	√
I Feel Mode	√	√	√	√	X	X	X
Heating	√	√	√	√	√	√	√
Force Defrosting	√	√	√	√	√	√	√
Energy Saving Mode	√	√	√	√	√	√	√
Dry Anti-mildew Design	√	√	√	√	√	√	√
Dehumidify Mode	√	√	√	√	√	√	√
Cooling	√	√	√	√	√	√	√
Compressor Electric Heater Function	√	√	√	√	√	√	X
Chassis Electric Heater Function	√	√	√	√	√	√	√
AuXiliary Heating	X	X	X	X	√	√	X
Auto Swing(Vertical Auto Swing)	√	√	√	√	X	√	√
Auto Swing(Horizontal Auto Swing)	√	√	√	√	X	X	√
Auto Fan Mode	√	√	√	√	√	√	√
Auto Clean	√	√	√	√	X	X	√
Auto Mode	√	√	√	√	√	√	√
8℃ Heating Mode	√	√	√	√	√	√	X
Filter Dirty Alarm	X	X	√	X	X	X	X
With Water Pump	X	X	X	X	√	√	X
Ambient Temperature Sensor	X	X	X	X	X	√	X

5-Year
Standard Warranty

All features and specifications in this catalogue are subject to change without notice, omitting typing errors.

Follow Us On Social

Sainstore, Inc
6945 SPEEDWAY BLVD, LAS VEGAS, NV 89115

Customer service: support@tosotdirect.com
Sales contact: marketing@tosotdirect.com
+1 702-514-1603 (9am - 6pm EST, Mon-Fri)
www.tosotdirect.com

Copyright © 2025 by Sainstore. All rights reserved.

The content of this brochure is the property of Sainstore and is protected by copyright laws. Any unauthorized reproduction or distribution of this content is strictly prohibited without the written permission of Sainstore.

VTST20250519