

PRODUCT CATALOGUE

LIGHT COMMERCIAL AIR CONDITIONER

WALTON
Commercial AC



INVERTER TECHNOLOGY
NON-INVERTER TECHNOLOGY

All models are tested by:
NUSDAT-UTS
An ISO/IEC 17025 Accredited Laboratory
Capable to test as per Bangladesh, India, Saudi Arabia, UAE, Sri Lanka & British Standard
Accepted in ILAC & APLAC Member Countries

ISO 9001: 2015, ISO 14001: 2015 & ISO 45001: 2018 Certified Company

Walton Hi-Tech Industries PLC.

Headquarters and R&I Center:
Chandra, Kaliakoir, Gazipur, Bangladesh
Email: hq@waltonplc.com

Corporate Office (Bangladesh):
Block: I, Road: Sabrina Sobhan 5th Avenue
Bashundhara, Vatara, Dhaka-1229, Bangladesh
Cell: +8809606555555, Email: info@waltonplc.com

R&I Office (Global):
361 Dakkum Business Center, 3rd Floor
7-3 Gwanggyojungang-ro, 248 beon-gil
Yeongtong-gu, Suwon-si, Gyeonggi-do
Republic of Korea

Corporate Office (Global):
12225 Greenville Avenue, Suite # 880, Dallas
Texas 75243, USA, Email: vp@waltonllc.us

For Details: 16267
Toll Free: 08000016267

Please Visit
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Made in Bangladesh

Walton Hi-Tech Industries PLC.

WALTON HI-TECH INDUSTRIES PLC.

Incorporated in 2006, WHIPLC is the first Electrical and Electronics Appliances company of Bangladesh with footsteps globally. Comprehensively dependent on Research & Innovation (R&I), WHIPLC is committed to bringing easier lifestyle with technology to everyone, home and

organization for a fully connected, intelligent world. With more than 35,000 employees and operating in over 40 countries, WHIPLC has served more than 177 million people worldwide. Through strong manufacturing base, quality products, competitive prices,

extensive market coverage and last but not least, prompt after-sales services Walton & Marcel have become the most trusted and prestigious brand in the E&E industry of Bangladesh. Within a very short period, both brands have captured substantial market share and

positioned themselves as the most dominant performer in the E&E sector of Bangladesh. The product portfolio of WHIPLC includes Refrigerator (Frost & Non-Frost), Freezer, Air Conditioner, Compressor and Television.



WALTON R&I CENTER

Walton has become a role model in technology research and innovation activities. WHIPLC is equipped with its self-sufficient R&I facility and the prime goal is to reach out to people of every class with locally produced E&E commodities that were once considered a luxury, through its innovation and affordability. Drawing an opposite image to the time when the whole country was heavily dependent on imported appliances from overseas.

R&I LABS



Psychrometric Test Lab



Anechoic Test Lab



Height Drop Test Lab



Vibration Test Lab



Salt Spray Test Lab



Material Test Lab



Chemical Test Lab



Safety Test Lab



Rain Test Lab



OUR HISTORY

Light Commercial Air Conditioner

The annual production capacity is 10 million units, driven by market demand. Walton, a leading manufacturer in the industry, has earned a strong reputation for its exceptional capability in producing electrical and electronic goods. Known for its competitive edge in quality, cost-effectiveness, design, and innovation, Walton continues to set industry benchmarks.

Walton offers elegantly designed cassette and ceiling air conditioners that seamlessly combine style and quality. The sleek louver and modern body design enhance the decor of offices, restaurants, and showrooms. These air conditioners feature protection against high and low voltage fluctuations, ensuring reliable performance. Built with a 100% copper condenser and evaporator, along with anti-corrosive hydrophilic golden fins, they ensure efficient heat transfer and long-lasting durability. Additionally, the inclusion of a modern scroll-type compressor helps save up to 15% energy, making them both efficient and cost-effective.

Brief History of **WALTON** LCAC

2017

R&I Team Started working on Commercial Air Conditioners

2018

Introduced 48K and 60K Non-Inverter Ceiling and Cassette Type Air Conditioners

2019

Installation of Commercial Air Conditioner Manufacturing Plant

2020

Introduced 30K & 36 Non-Inverter Ceiling and Cassette Type Air Conditioner

2021

Introduced 48K Inverter Ceiling and Cassette Type Air Conditioners

2022

Installation of 30TR CAC Air Enthalpy Method Lab (Largest Air Conditioner Capacity Testing Lab in Bangladesh)

2023

Introduced New Designed Cordelia & Freddo Series Air Conditioners

2024

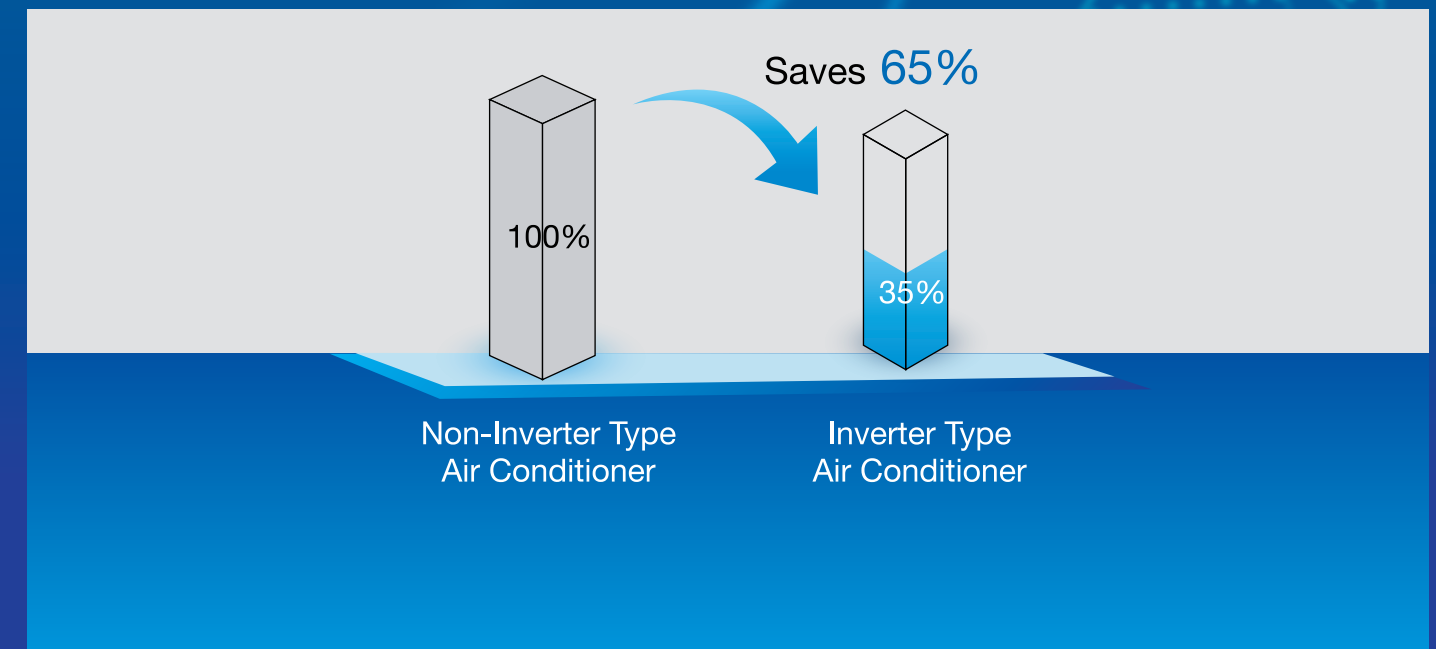
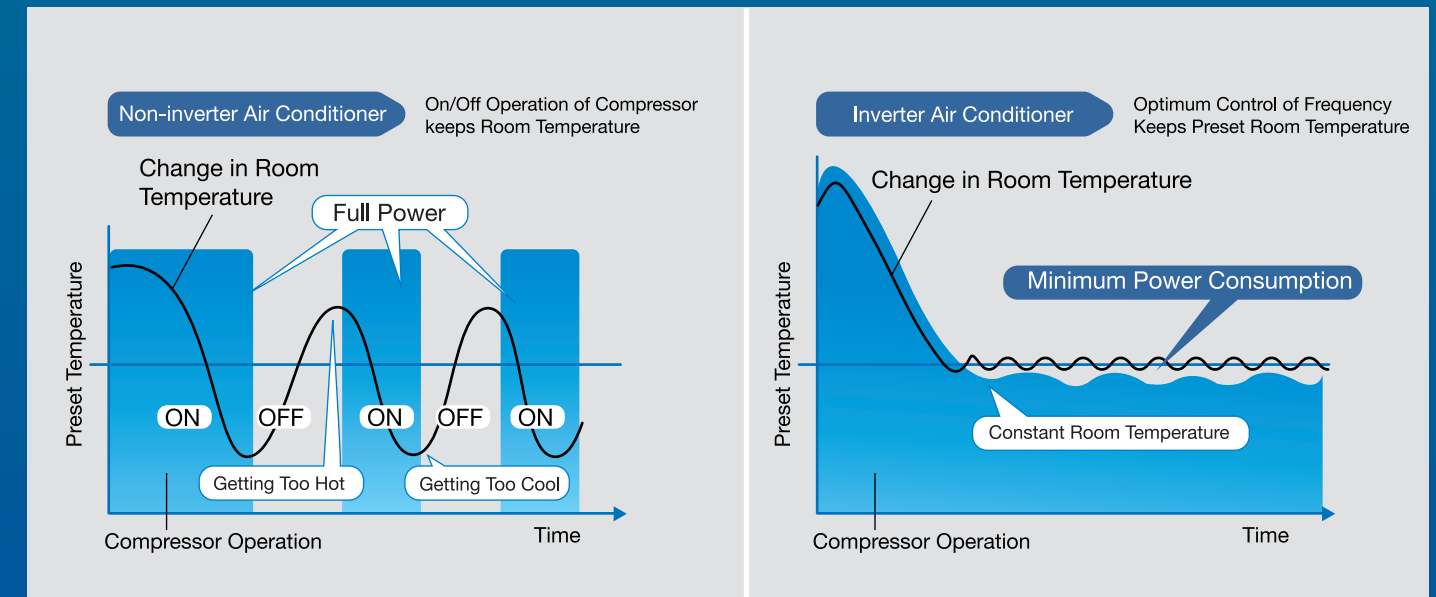
Introduced Complete Lineup of Inverter Series 1.5TR to 5TR with R-32 Refrigerant

Invertronics

An inverter air conditioner uses a mechanism known as variable-frequency drive (VFD) to control the speed of the compressor. VFD allows the AC to adjust the compressor speed to match the cooling requirements of your living space, office spaces or rooms. When the room is cool, the compressor runs at a lower speed. However, as the room gets warmer, the compressor's speed increases. In essence, providing a more precise temperature control, and a more stable room temperature. Additionally, the compressor of an Inverter AC unit makes less noise, minimizing noise pollution as well.

Inverter air conditioners include an inverter technology, which regulates the amount of power consumed by the AC, resulting in energy efficiency and cheaper electricity bills. Who wouldn't desire an AC that keeps you cool with smart innovation and reduces carbon footprint while also lowering the utility costs?

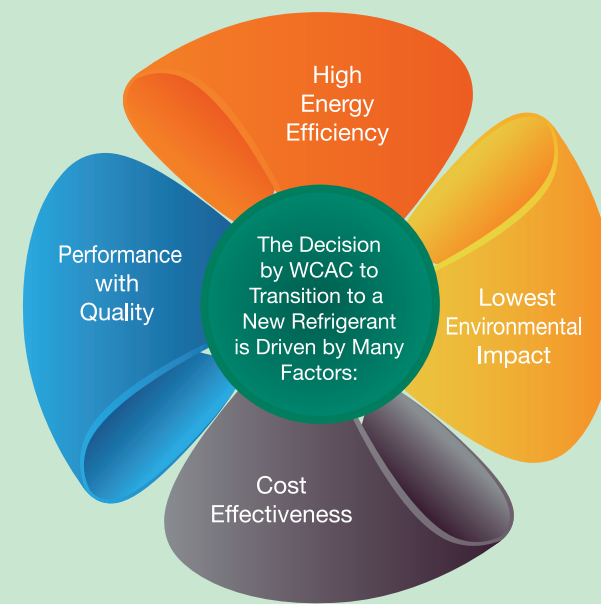
Inverter ACs save up to 65% of electricity compared to non-inverters



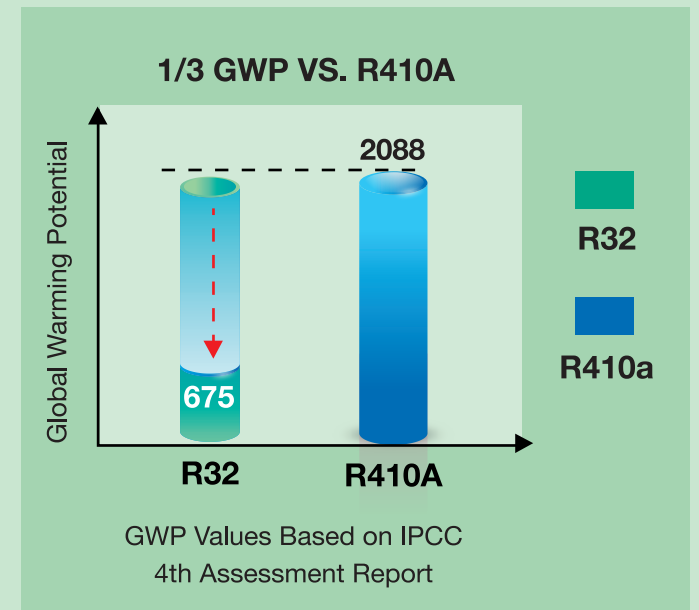
R-32 Refrigerant



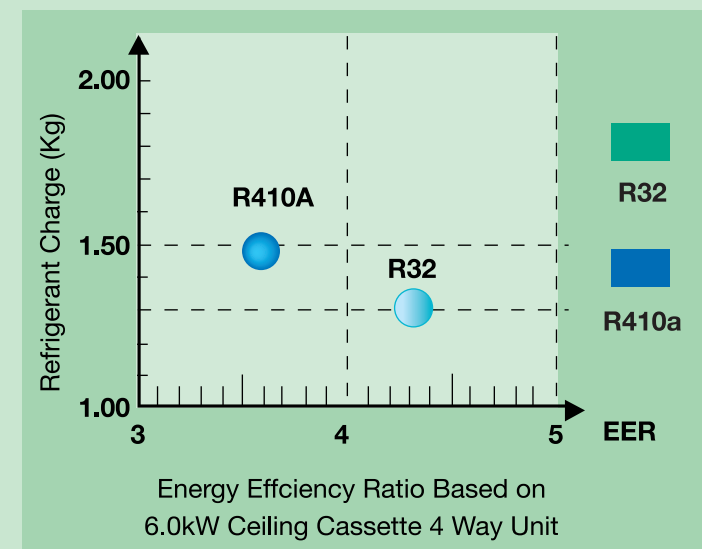
- Low GWP Refrigerant
- Single component and easy to handle
- Used widely in Air-Conditioning Systems Worldwide Zero Ozone Depletion
- Superior Energy Efficiency vs. R410A
- Reduced Refrigerant Charge vs. R410A



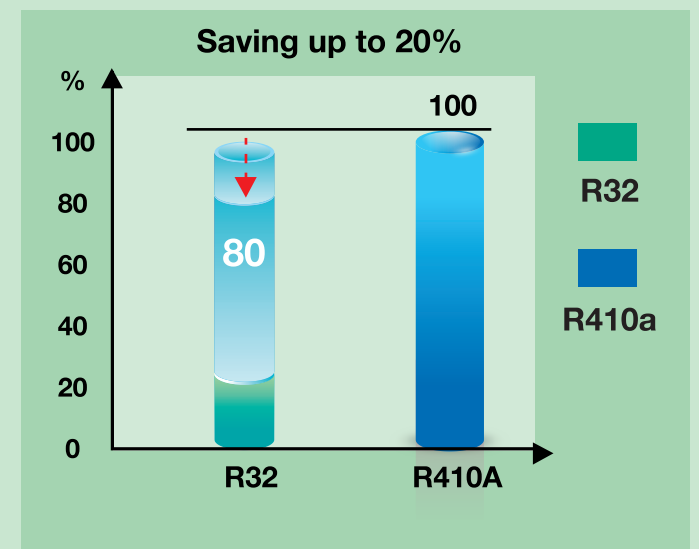
Low Global Warming Potential



Superior Energy Efficiency



Reduced Refrigerant Charge

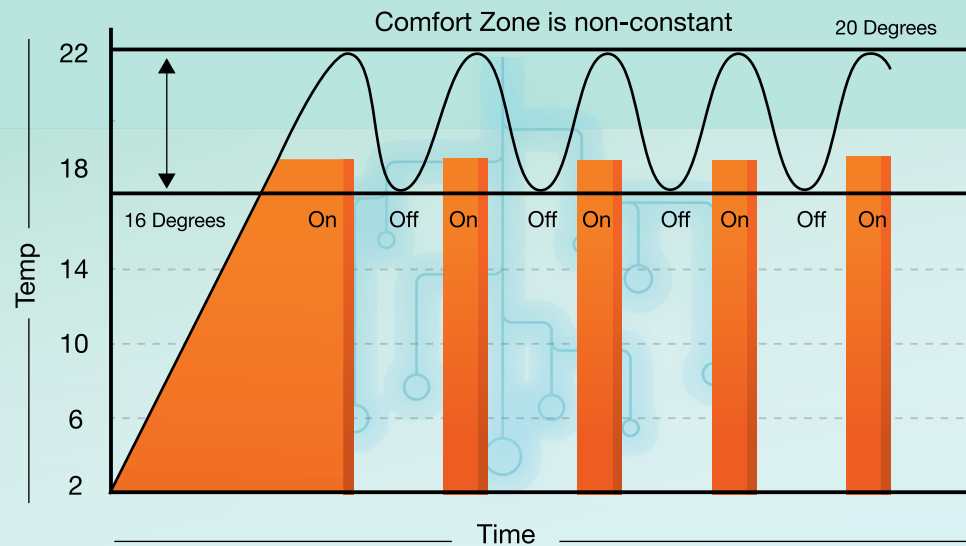


Non-Inverter Technology

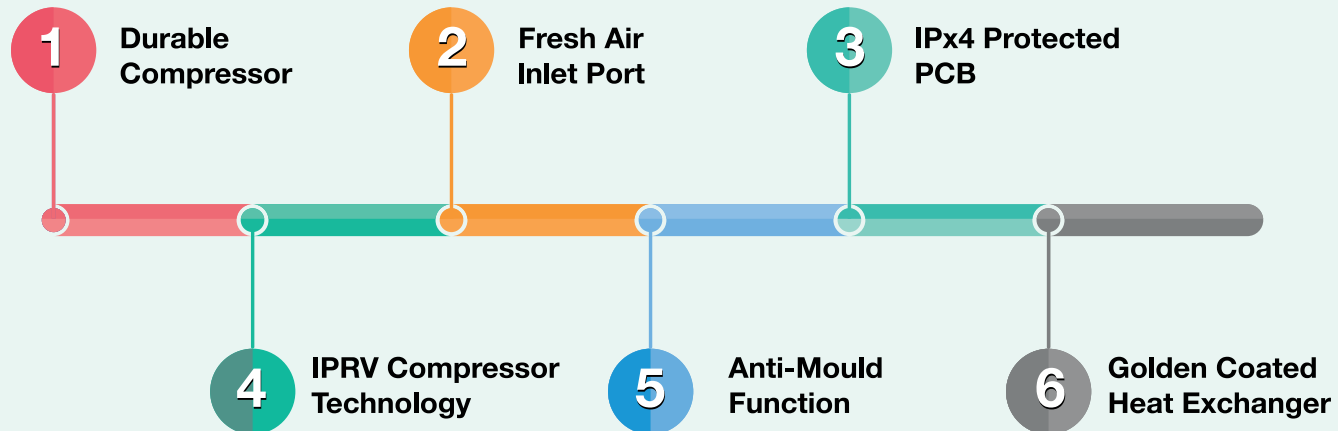
Walton non-inverter air conditioners ensure superior performance at an affordable price range. Robust air conditioner design guarantees durable performance during long duty cycles. Fast, comfortable operation and amazingly low initial cost.

HOW IT WORKS?

A fixed speed compressor is used that can only run at full speed or stop in non-inverter air conditioner to reach the desired temperature in conditioned space. After the initial temperature is selected and the air conditioner is turned on, to cool the room, a non-inverter air conditioner motor runs at full speed and then turns off once the room temperature reaches the desired level. When the temperature in the room begins to rise, the motor kicks in at full throttle again to begin cooling the room back to the desired temperature.



The unit will work hard to get to your desired temperature and then switch off when it reaches its goal. When the unit senses that temperature has changed more than the desired change, it will turn back on again, constantly repeating this throughout the day, making the system work to regain the desired temperature.












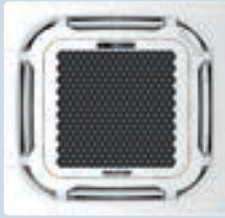




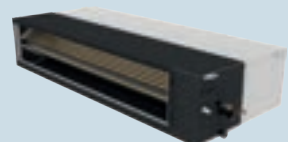
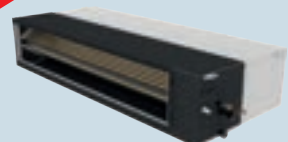




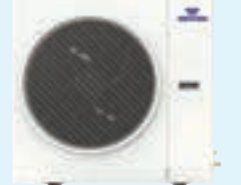







R410a Refrigerant



Chlorodifluoromethane (R-22 or HCFC-22) has been used as a refrigerant in various refrigeration, industrial cooling, air conditioning, and heating applications for over six decades. The low ozone depletion potential (ODP) of R-22 compared to CFC-11 (chlorofluorocarbon 11) and CFC-12, as well as its excellent refrigerant properties have helped facilitate the transition away from chlorofluorocarbons.

Non-ozone depleting HFC. Nonflammable. ASHRAE safety classification: A1. Leading HFC refrigerant replacing R-22 in residential and commercial AC, as well as heat pump, applications. Higher cooling capacity compared to R-22.

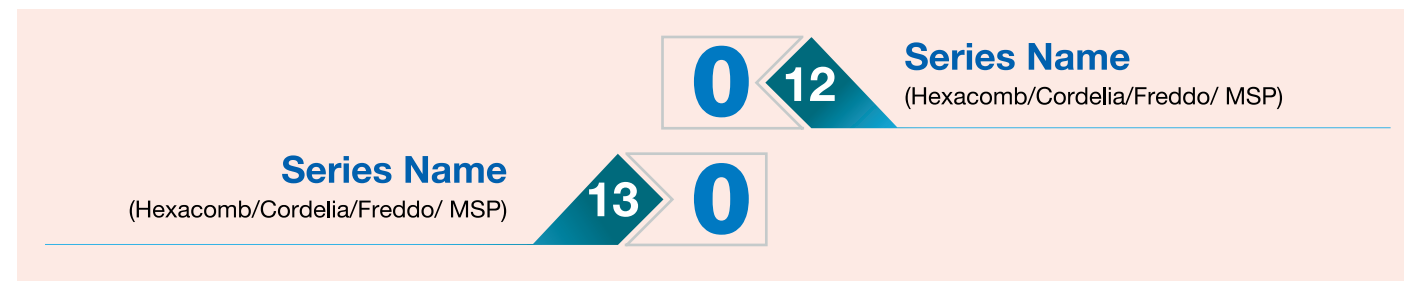
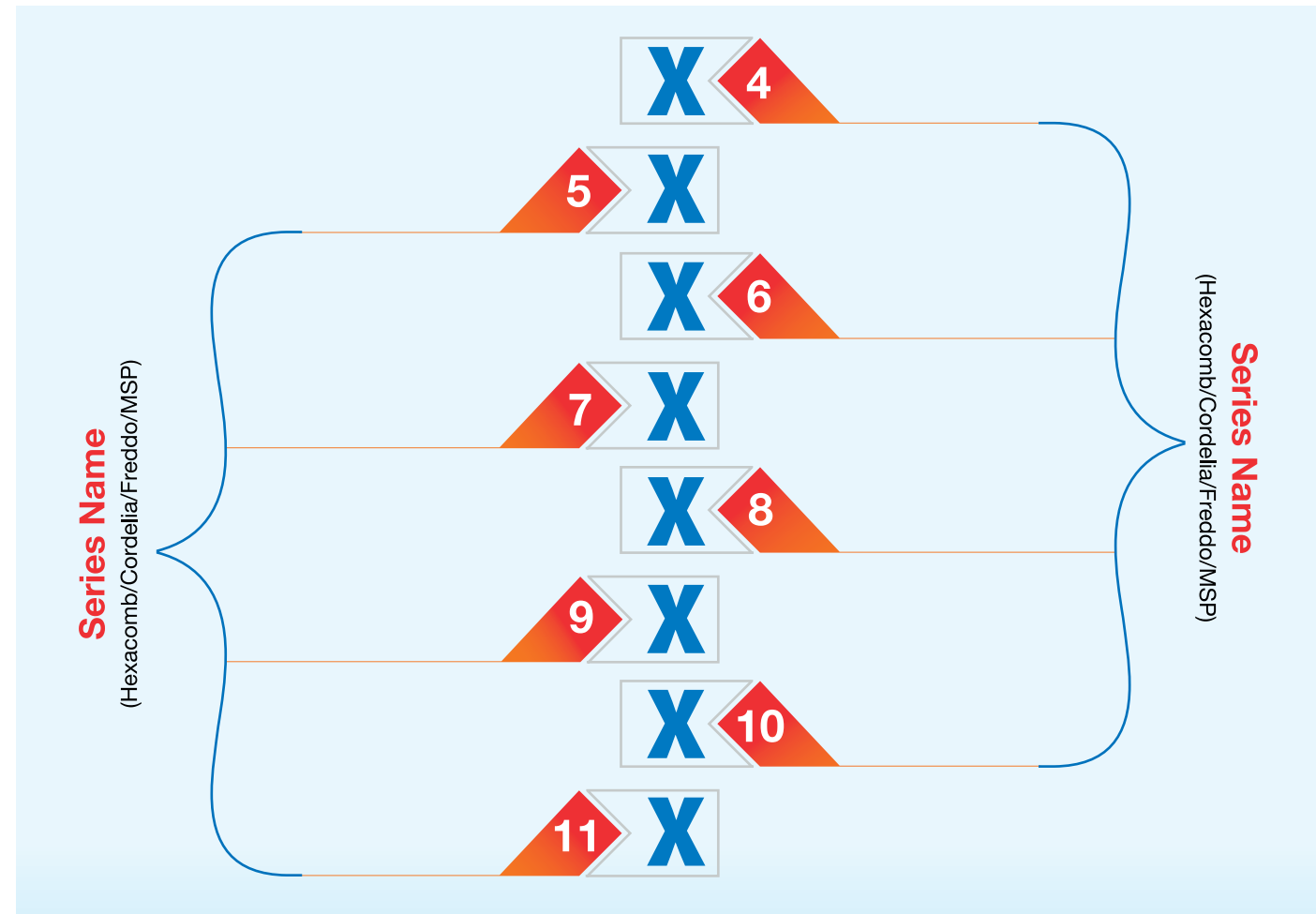
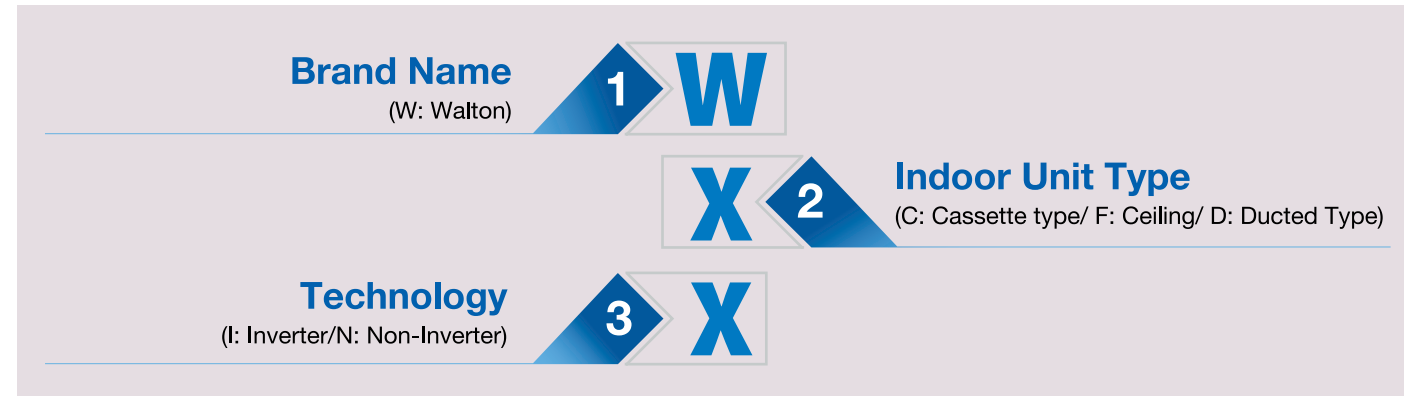
PRODUCT LINEUP

Capacity	18000 BTU/h	24000 BTU/h	30000 BTU/h		36000 BTU/h	48000 BTU/h	60000 BTU/h
Cassette Type (Hexacomb Series)			 WCN-HEXACOMB-30G WCI-HEXACOMB-30H		 WCN-HEXACOMB-36G WCI-HEXACOMB-36G	 WCN-HEXACOMB-48D WCI-HEXACOMB-48Z	<i>Upcoming</i>  WCN-HEXACOMB-60Z WCI-HEXACOMB-60Z
Cassette Type (Cordelia Series)	 WCN-CORDELIA-18F WCI-CORDELIA-18F	 WCN-CORDELIA-24H WCI-CORDELIA-24H	<i>Upcoming</i>  WCN-CORDELIA-30G WCI-CORDELIA-30H		<i>Upcoming</i>  WCN-CORDELIA-36G WCI-CORDELIA-36G	<i>Upcoming</i>  WCN-CORDELIA-48D WCI-CORDELIA-48Z	 WCN-CORDELIA-60Z WCI-CORDELIA-60Z
Ceiling Type (Freddo Series)			<i>Upcoming</i>  WFN-FREDDO-30G WFI-FREDDO-30H		 WFN-FREDDO-36G WFI-FREDDO-36G	 WFN-FREDDO-48D WFI-FREDDO-48Z	 WFN-FREDDO-60Z WFI-FREDDO-60Z
Ceiling Concealed Series						 WDN-MSP-48E	<i>Upcoming</i>  WDN-HSP-60Z
Outdoor Unit Non-Inverter Series	 18F	 24H	 30G		 36G	 48D	 60Z
Outdoor Unit Invertronics & Micron-Invertronics Series	 18F	 24H	 30H		 36G	 48Z	 60Z

NOMENCLATURE



CASSETTE TYPE INVERTER AIR CONDITIONER



Technical Specification		WCI-Cordelia-18F	WCI-Cordelia-24H	WCI-Hexacomb-36G	WCI-Hexacomb-48Z	WCI-Cordelia-60Z	
Indoor Unit	Power Source [Phase (Ø) / Voltage (V)/ Frequency (Hz)]	1 Ph / 220-240 / 50					
	Cooling Capacity [W (BTU/h)]	10550 (36000)	14068 (48000)	17584 (60000)			
	Rated Power [W]	3295	4300	5220			
	Rated Current [A]	14.5	18.7	24			
	Maximum Current [A]	19	27.3	32.6			
	Energy Efficiency Ratio (EER) [W/W]	3.2	3.27	3.36			
	Airflow [CMH]	1580	1700	1800			
	Condensation Rate [L/Hr]	3.29	5	6.5			
	Display	7 Segment					
	Dimension	Unit [mm]	840×840×310	840×840×310	840×840×290		
		Packaging [mm]	890×890×345	890×890×345	915×915×360		
	Weight	Net Weight [kg]	33±1	36±1	31±1		
		Gross Weight [kg]	38±1	41±1	36±1		
	Front Panel	Color	White				
Net Weight [kg]		5.3±0.25	5.3±0.25	5.5±0.25			
Gross Weight [kg]		9.11±0.25	9.11±0.25	7.5±0.25			
Noise Level** (H/M/L) [dB(A)]	Dimension [mm]	950×950×50	950×950×50	950×950×55			
		52/49/47	52/49/47	52/49/45			
Connection Pipe	Suction Line [mm]	15.88	15.88	19			
	Discharge Line [mm]	9.52	9.52	9.52			
	Maximum Length [m]	30	30	30			
Control System	Remote / Smart [WiFi Control]						
Compressor Type	Rotary						
Standard Operating Temperature (°C)	21°-43°						
Outdoor Unit	Dimension	Unit [mm]	917×330×840	917×330×1260	917×330×1260		
		Packaging [mm]	1030×475×1000	1030×475×1290	1030×475×1290		
Weight	Net Weight [kg]	68±1	88±1	90±1			
	Gross Weight [kg]	87±1	107±1	112±1			

CEILING TYPE INVERTER AIR CONDITIONER

Technical Specification		WFI-Freddo-36G	WFI-Freddo-48Z	WFI-Freddo-60Z	
Indoor Unit	Power Source [Phase (Ø) / Voltage (V)/ Frequency (Hz)]	1 Ph / 220-240 / 50			
	Cooling Capacity [W (BTU/h)]	10550 (36000)	14068 (48000)	17584 (60000)	
	Rated Power [W]	3450	4550	5180	
	Rated Current [A]	15	21	23.5	
	Maximum Current [A]	19	27.3	32.6	
	Energy Efficiency Ratio (EER) [W/W]	3.06	3.10	3.39	
	Airflow [CMH]	1420	1900	2100	
	Condensation Rate [L/Hr]	4	4.54	6	
	Display	7 Segment			
	Dimension	Unit [mm]	1280×690×235	1600×690×235	1600×690×235
		Packaging [mm]	1360×770×325	1680×770×325	1680×770×325
	Weight	Net Weight [kg]	35±1	43±1	43±1
		Gross Weight [kg]	41±1	48±1	48±1
	Noise Level** (H/M/L) [dB(A)]		52/49/45	52/49/45	52/49/45
Suction Line [mm]		15.88	15.88	19	
Connection Pipe	Discharge Line [mm]	9.52	9.52	9.52	
	Maximum Length [m]	30	30	30	
Control System	Remote / Smart [WiFi Control]				
Compressor Type	Rotary				
Standard Operating Temperature (°C)	21°-43°				
Outdoor Unit	Dimension	Unit [mm]	917×330×840	917×330×1260	
		Packaging [mm]	1030×475×1000	1030×475×1290	
Weight	Net Weight [kg]	68±1	88±1	90±1	
	Gross Weight [kg]	87±1	107±1	112±1	

NOTES:

- The data are measured under the following conditions (ISO 5151-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
- Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.**
- Outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
- Walton authority reserves the right to change any specifications if required.

CASSETTE TYPE INVERTER AIR CONDITIONER

Technical Specification		WCI-Cordelia-18F	WCI-Cordelia-24H	WCI-Hexacomb-36G	WCI-Hexacomb-48Z	WCI-Cordelia-60Z
Power Source [Phase (Ø) / Voltage (V) / Frequency (Hz)]		1 Ph / 220-240 / 50				
Cooling Capacity [W (BTU/h)]		5275 (18000)	7034 (24000)			
Rated Power [W]		1710	2000			
Rated Current [A]		7.75	8.78			
Maximum Current [A]		14.4	16.6			
Energy Efficiency Ratio (EER) [W/W]		3.08	3.51			
Airflow [CMH]		750	1260			
Condensation Rate [L/Hr]		1.8	2.2			
Display		7 Segment				
Dimension	Unit [mm]	635×570×255	840×840×250			
	Packaging [mm]	710×650×290	915×915×320			
Weight	Net Weight [kg]	15.5±1	26±1			
	Gross Weight [kg]	18.5±1	30±1			
Front Panel	Color	White				
	Net Weight [kg]	2±0.25	5.5±0.25			
	Gross Weight [kg]	3±0.25	7.5±0.25			
	Dimension [mm]	650×650×55	950×950×55			
Noise Level** (H/M/L) [dB(A)]		48/45/39	48/45/39			
Connection Pipe	Suction Line [mm]	12	15.88			
	Discharge Line [mm]	6	9.52			
	Maximum Length [m]	15	15			
Control System		Remote / Smart [WiFi Control]				
Compressor Type		Rotary				
Standard Operating Temperature (°C)		21°-43°				
Dimension	Unit [mm]	844×310×546	942 x 371 x 701			
	Packaging [mm]	900×372×610	1015 x 440 x 775			
Weight	Net Weight [kg]	25±1	47±1			
	Gross Weight [kg]	30±1	54±1			

CEILING TYPE INVERTER AIR CONDITIONER

Technical Specification		WFI-Freddo-36G	WFI-Freddo-48Z	WFI-Freddo-60Z
Power Source [Phase (Ø) / Voltage (V) / Frequency (Hz)]		1 Ph / 220-240 / 50		
Cooling Capacity [W (BTU/h)]		10550 (36000)		
Rated Power [W]		3750		
Rated Current [A]		18.5		
Maximum Current [A]		27		
Energy Efficiency Ratio (EER) [W/W]		2.81		
Airflow [CMH]		1500		
Condensation Rate [L/Hr]		3.5		
Display		7 Segment		
Dimension	Unit [mm]	1280×690×235	1600×690×235	1600×690×235
	Packaging [mm]	1360×770×325	1680×770×325	1680×770×325
Weight	Net Weight [kg]	35±1	43±1	43±1
	Gross Weight [kg]	41±1	48±1	48±1
Noise Level** (H/M/L) [dB(A)]		48.5/44/39	52/49/45	52/49/45
Connection Pipe	Suction Line [mm]	15.88	15.88	19
	Discharge Line [mm]	9.52	9.52	9.52
	Maximum Length [m]	30	30	30
Control System		Remote / Smart [WiFi Control]		
Compressor Type		Rotary		
Standard Operating Temperature (°C)		21°-43°		
Dimension	Unit [mm]	917×330×840	917×330×960	917×330×1260
	Packaging [mm]	1030×475×1000	1030×475×1000	1030×475×1290
Weight	Net Weight [kg]	68±1	80±1	103±1
	Gross Weight [kg]	87±1	98±1	123±1

NOTES:

- The data are measured under the following conditions (ISO 5151-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
- Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.**
- Outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
- Walton authority reserves the right to change any specifications if required.

CASSETTE TYPE NON-INVERTER AIR CONDITIONER

Technical Specification		WCN-Cordelia-18F	WCN-Cordelia-24H	WCN-Hexacomb-36G	WCN-Hexacomb-48D	WCN-Cordelia-60Z
Power Source [Phase (Ø) / Voltage (V) / Frequency (Hz)]		1 Ph / 220-240 / 50			3 Ph / 380-420 / 50	
Cooling Capacity [W (BTU/h)]		5275 (18000)	7034 (24000)	10550 (36000)	14068 (48000)	17584 (60000)
Rated Power [W]		1750	2230	3745	4800	6110
Rated Current [A]		7.75	10	18.1	8.5	9
Maximum Current [A]		15	20	27	14	16
Energy Efficiency Ratio (EER) [W/W]		3.01	3.15	2.82	2.93	2.88
Airflow [CMH]		1050	1200	1580	1750	1850
Condensation Rate [L/Hr]		1.2	2.15	3.29	4.4	5.5
Display		7 Segment				
Dimension	Unit [mm]	840×840×250	840×840×250	840×840×310	840×840×310	840×840×290
	Packaging [mm]	915×915×320	915×915×320	890×890×345	890×890×345	915×915×360
Weight	Net Weight [kg]	26±1	26±1	33±1	33±1	31±1
	Gross Weight [kg]	30±1	30±1	38±1	38±1	36±1
Front Panel	Color	White				
	Net Weight [kg]	5.5±0.25	5.5±0.25	5.3±0.25	5.3±0.25	5.5±0.25
	Gross Weight [kg]	7.5±0.25	7.5±0.25	9.11±0.25	9.11±0.25	7.5±0.25
	Dimension [mm]	950×950×55	950×950×55	950×950×50	950×950×50	950×950×55
Noise Level** (H/M/L) [dB(A)]		48/45/39	48/45/39	50/46/42	52/49/47	52/49/45
Connection Pipe	Suction Line [mm]	12	15.88	15.88	15.88	19
	Discharge Line [mm]	6	9.52	9.52	9.52	9.52
	Maximum Length [m]	15	15	30	30	30
Control System		Remote / Smart [WiFi Control]				
Compressor Type		Rotary			Scroll	
Standard Operating Temperature (°C)		21°-43°				
Dimension	Unit [mm]	844×310×546	942 x 371 x 701	917 X 330 X 840	917×330×960	917×330×1260
	Packaging [mm]	900×372×610	1015 x 440 x 775	1030×475×1000	1030×475×1000	1030×475×1290
Weight	Net Weight [kg]	35±1	47±1	68±1	80±1	103±1
	Gross Weight [kg]	39.5±1	54±1	87±1	98±1	125±1

CEILING TYPE NON-INVERTER AIR CONDITIONER

Technical Specification		WFN-Freddo-36G	WFN-Freddo-48D	WFN-Freddo-60Z
Power Source [Phase (Ø) / Voltage (V) / Frequency (Hz)]		1 Ph / 220-240 / 50	3 Ph / 380-420 / 50	
Cooling Capacity [W (BTU/h)]		10550 (36000)	14068 (48000)	17584 (60000)
Rated Power [W]		3750	4950	5900
Rated Current [A]		18.5	7.6	8.95
Maximum Current [A]		27	14	16
Energy Efficiency Ratio (EER) [W/W]		2.81	2.84	2.98
Airflow [CMH]		1500	1900	2100
Condensation Rate [L/Hr]		3.5	4.5	6
Display		7 Segment		
Dimension	Unit [mm]	1280×690×235	1600×690×235	1600×690×235
	Packaging [mm]	1360×770×325	1680×770×325	1680×770×325
Weight	Net Weight [kg]	35±1	43±1	43±1
	Gross Weight [kg]	41±1	48±1	48±1
Noise Level** (H/M/L) [dB(A)]		48.5/44/39	52/49/45	52/49/45
Connection Pipe	Suction Line [mm]	15.88	15.88	19
	Discharge Line [mm]	9.52	9.52	9.52
	Maximum Length [m]	30	30	30
Control System		Remote / Smart [WiFi Control]		
Compressor Type		Rotary		
Standard Operating Temperature (°C)		21°-43°		
Dimension	Unit [mm]	917×330×840	917×330×960	917×330×1260
	Packaging [mm]	1030×475×1000	1030×475×1000	1030×475×1290
Weight	Net Weight [kg]	68±1	80±1	103±1
	Gross Weight [kg]	87±1	98±1	123±1

NOTES:

- The data are measured under the following conditions (ISO 5151-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
- Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.**
- Outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
- Walton authority reserves the right to change any specifications if required.

MSP Series

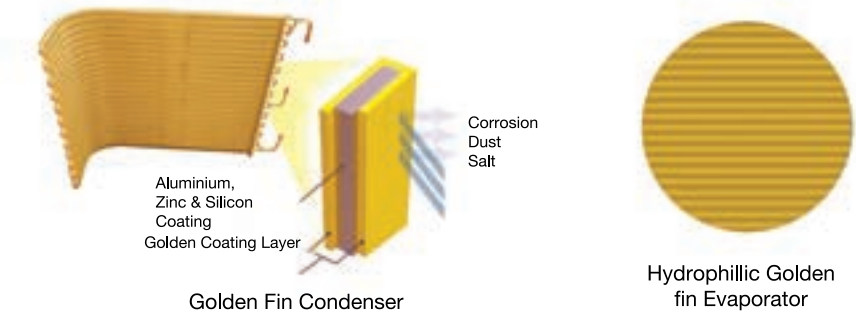
DUCTED TYPE NON-INVERTER AIR CONDITIONER

Technical Specification		WDN-MSP-48E	WDN-HSP-60Z	WDN-HSP-96X	WDN-HSP-120X	
Indoor Unit	Power Source [Phase (Ø) / Voltage (V) / Frequency (Hz)]	3 Ph / 380-420 / 50				
	Cooling Capacity [W (BTU/h)]	14068 (48000)				
	Rated Power [W]	5200				
	Rated Current [A]	9.5				
	Maximum Current [A]	16				
	Energy Efficiency Ratio (EER) [W/W]	2.7				
	Airflow [CMH]	2350				
	Condensation Rate [L/Hr]	4.7				
	Display	7 Segment				
	Dimension	Unit [mm]	1450×600×300			
		Packaging [mm]	1650×670×340			
	Weight	Net Weight [kg]	47±1			
		Gross Weight [kg]	52±1			
	Noise Level** (H/M/L) [dB(A)]	50/52/55				
	Connection Pipe	Suction Line [mm]	15.88			
		Discharge Line [mm]	9.52			
Maximum Length [m]		30				
Control System	Remote / Wired Controller					
Outdoor Unit	Compressor Type	Scroll				
	Standard Operating Temperature (°C)	21°-43°				
	Dimension	Unit [mm]	917×330×1260			
		Packaging [mm]	1030×475×1290			
	Weight	Net Weight [kg]	103±1			
		Gross Weight [kg]	121±1			
		TO BE ADVISED	TO BE ADVISED	TO BE ADVISED		

NOTES:

- The data are measured under the following conditions (ISO 5151-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
- Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.**
- Outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
- Walton authority reserves the right to change any specifications if required.

HYDROPHILIC GOLDEN COATED FIN (1000HR SST)

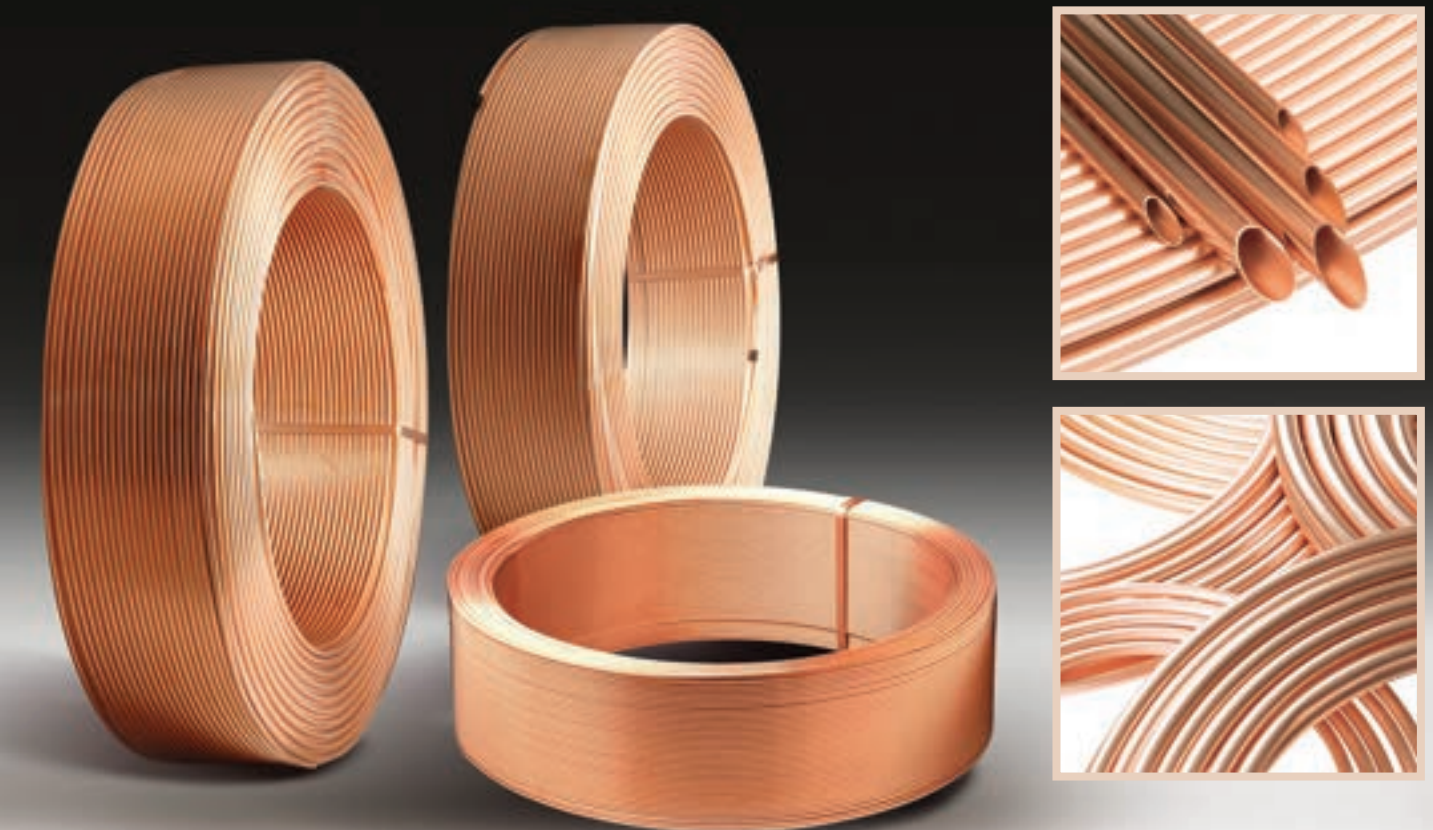


Hydrophilic golden fin consist aluminium, zinc and silicon coating as well as galvanized steel in heat-exchanger used in Walton commercial air conditioner, has self-cleaning effect, dust proof, salt resistant and anti-corrosive.

The golden fin coating offers excellent corrosion resistance, and its hydrophilic properties further enhance protection by promoting faster water drainage. This minimizes the time water remains in contact with the metal surface, thereby reducing the risk of corrosion.

IGT TUBE IN HEAT EXCHANGER

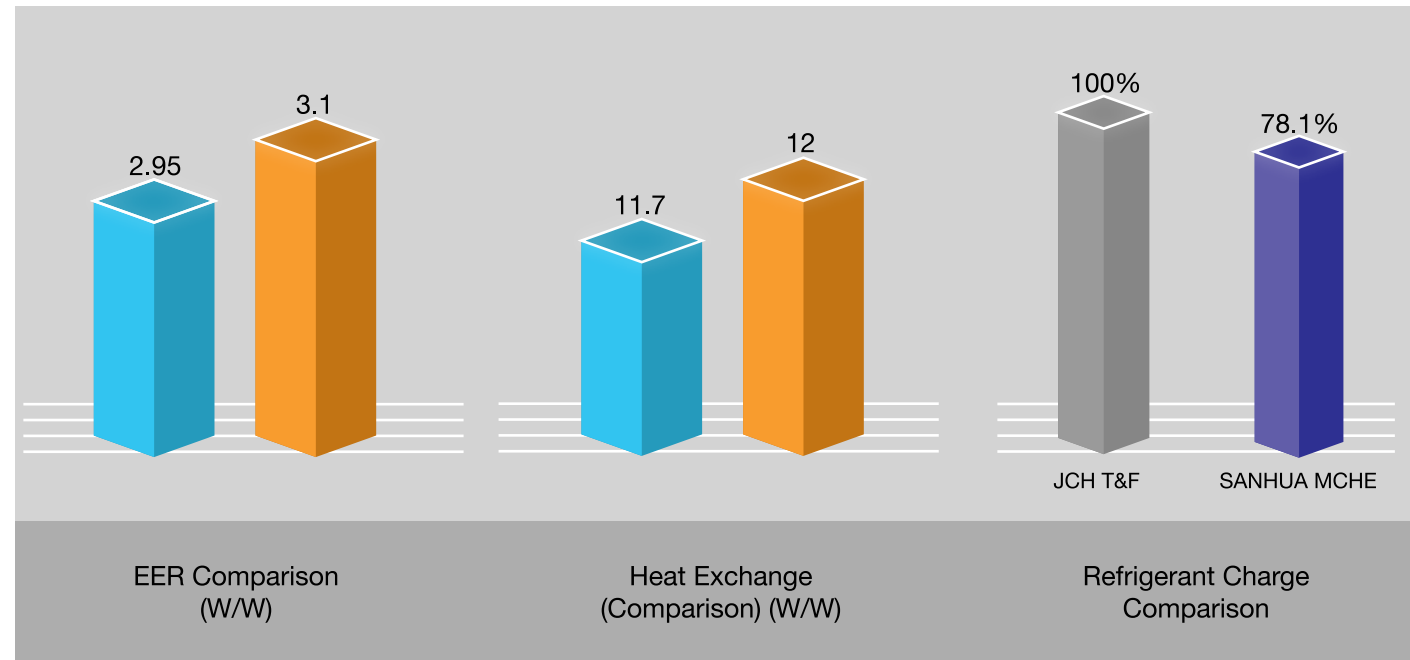
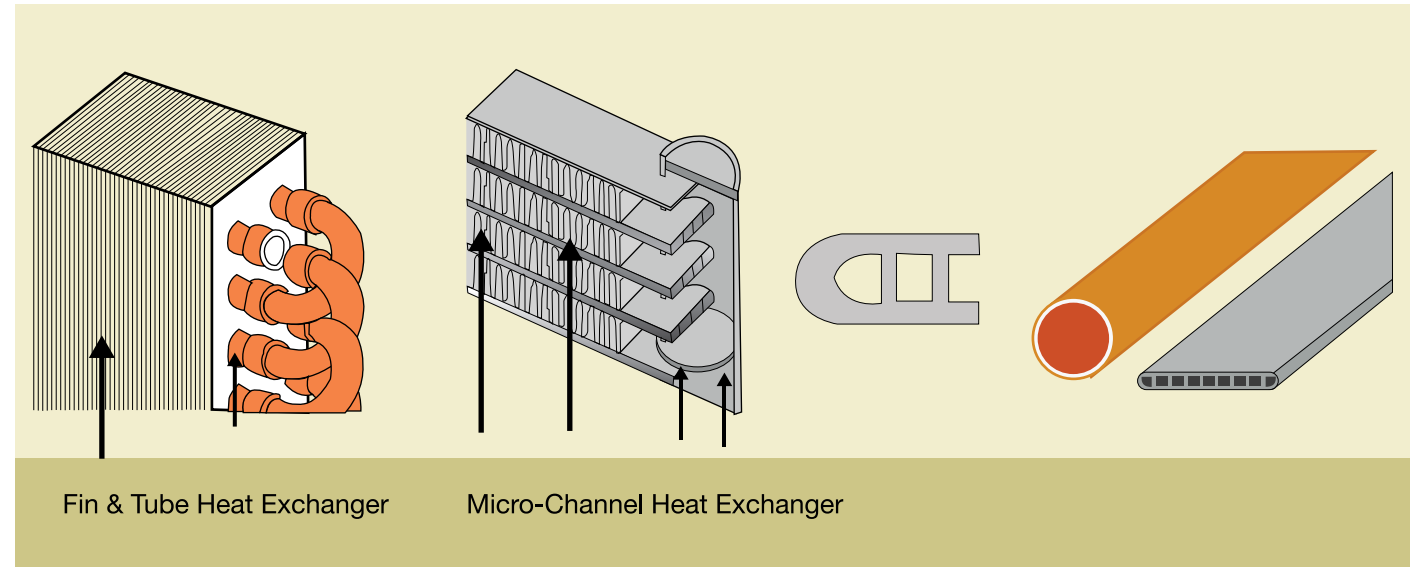
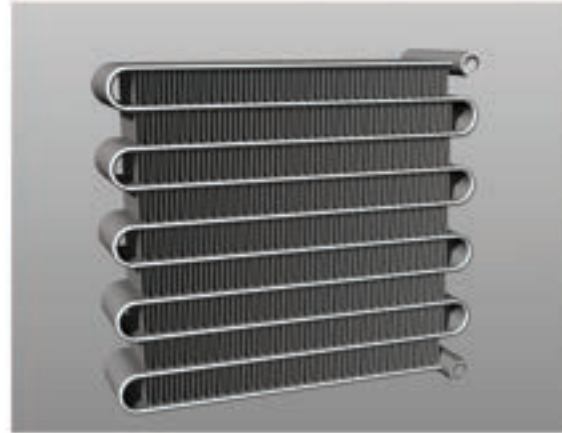
Heat exchangers are manufactured using IGT tube featuring internal grooves whose geometry significantly enhances the amount of heat transfer.



MICRO-CHANNEL HEAT EXCHANGER

Micro channel heat exchanger (MCHE) is an ideal solution for commercial air conditioning systems driven by energy efficiency and reduction of the refrigerant charge. Flattening of the micro-channel heat exchanger tubes improves the flow of air and increases heat exchange efficiency

Micro channel heat exchangers (MCHE) are not only lightweight but is also immune to galvanic corrosion. The aluminum construction makes it one of the most sustainable solutions in the market due to its high strength, sealed design and recyclable materials.



HIGHLY EFFICIENT ROTARY COMPRESSOR

Inverter air conditioners are equipped with high efficient twin-rotary compressor features with overload protection for longer lifespan. BLDC inverter system can function at maximum 130°C motor coil temperature which helps to achieve a wider range of operating frequency for faster and required cooling.



HIGHLY DURABLE SCROLL COMPRESSOR

“Walton 48K/60K BTU/hr Non-Inverter Light Commercial Air Conditioners are developed with modern robust scroll type compressor featuring IVRV, IPRV and OLP for high durability”



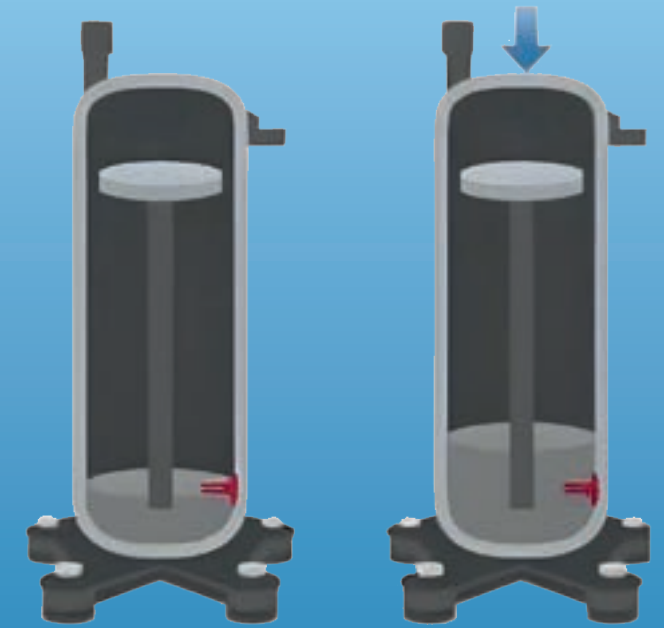


EXTERNAL ACCUMULATOR

Walton 48K/60K BTU/hr Non-Inverter Light Commercial Air Conditioners are equipped with a new cooling design featuring an external accumulator to enhance stability as well as increases lifetime.

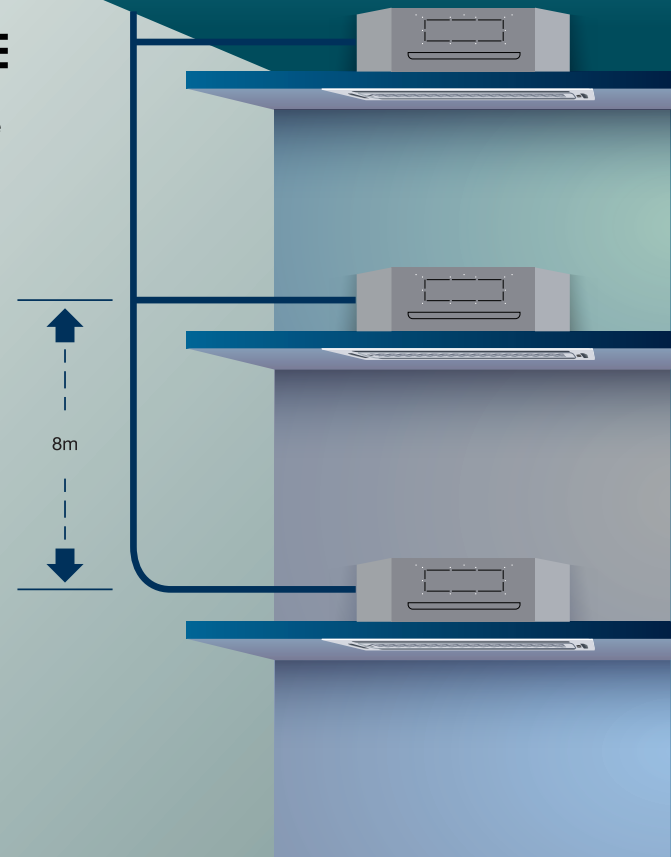
SMART OIL RETURN TECHNOLOGY

At lower ambient temperature, this technology ensures required oil level for smooth operation of the compressor.



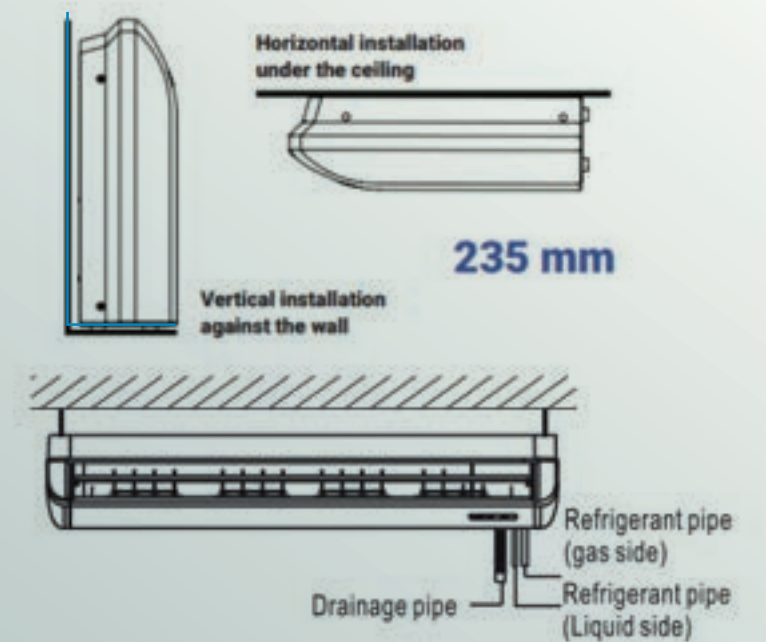
30 METERS SERVICE PIPE

Walton light commercial air conditioners can be installed using a service pipe up to 30 meters in length, providing flexibility and convenience during installation.



INSTALLATION FRIENDLY

Freddo series air conditioners can be installed horizontally under the ceiling or vertically against the wall. It also features a dual drain line which is convenient for installation.



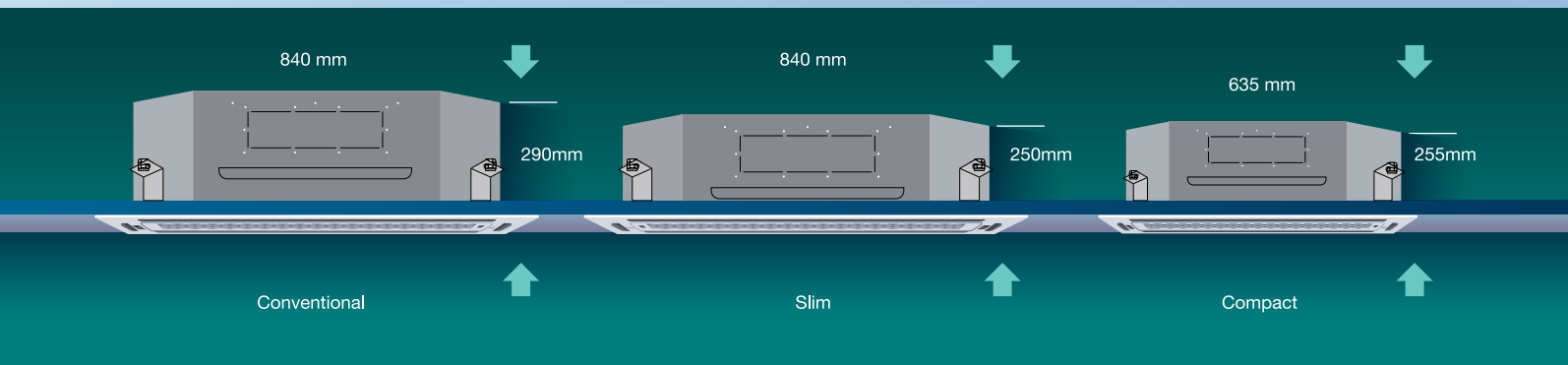


8-WAY AIR OUT WITH AUTO SWING

8-way airflow of Cordelia series air reaches every corner of the room and the comfort for the occupants.

SLIM & COMPACT CASSETTE

Walton offers slim, compact cassette-type air conditioners with 18K and 24K BTU/hr capacities, convenient for small spaces.



FRESH AIR INTAKE

Freddo and Cordelia series air conditioners have fresh air inlet port which brings fresh air into indoor from outside. This feature improves indoor air quality by reducing dust and preventing the build-up of other contaminants.



CONVENIENT AIR FILTER

High density air filter provides clean air by filtering out particulates and contaminants that could affect health and comfort of the occupants. Additionally, it is very easy to bring out & wash.



SMART
CONTROL



The Walton Smart Appliances app, available for both Android and iOS, enables IoT control of multiple air conditioners simultaneously. Users can monitor power usage and perform device diagnostics as needed through the app.

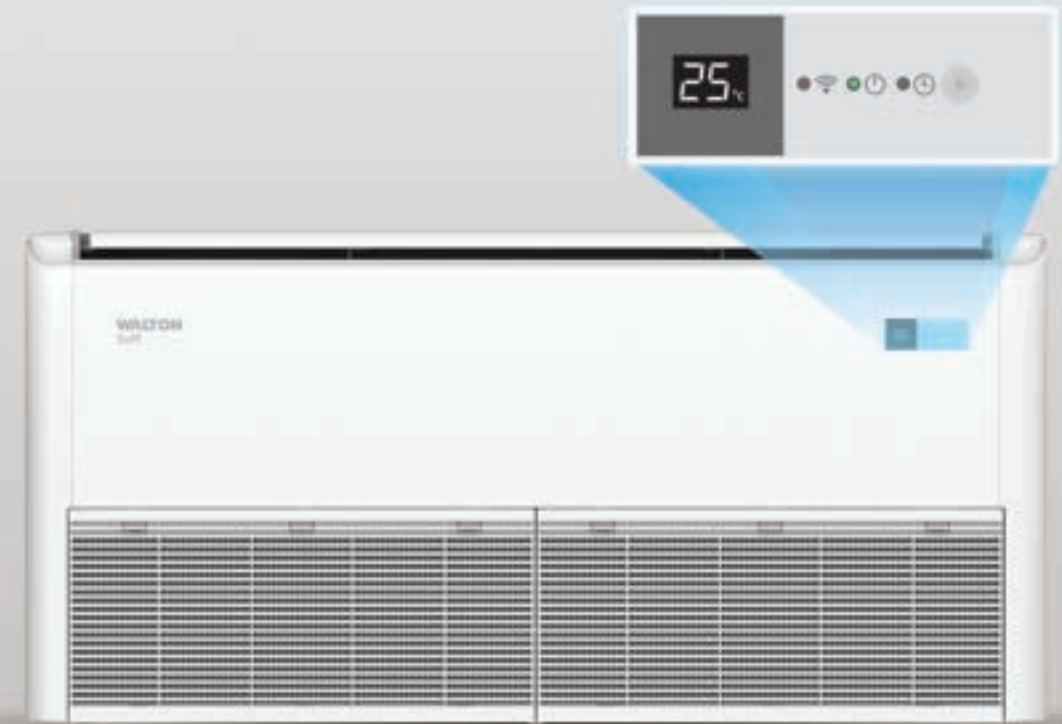


SURGE PROTECTION

Walton light air conditioners equipped with surge (IEC60335 Standard: L-N: 2kV, L-E: 4kV, N-E: 4kV) which protects your device from abrupt voltage spikes. This feature prevents costly repair or replacement of components due to natural accident like lightning strike.

SEVEN SEGMENT DISPLAY

Walton light commercial air conditioners are equipped with minimalistic seven-segment display which shows temperatures, operational mode, error codes which is convenient for user as well as for troubleshooting.





REMOTE CONTROLLER

Ergonomic design remote controller equipped with backlit LCD display shows temperature, fan speed, operational mode etc. Additionally, child lock function is provided which can prevent unwanted user operations.



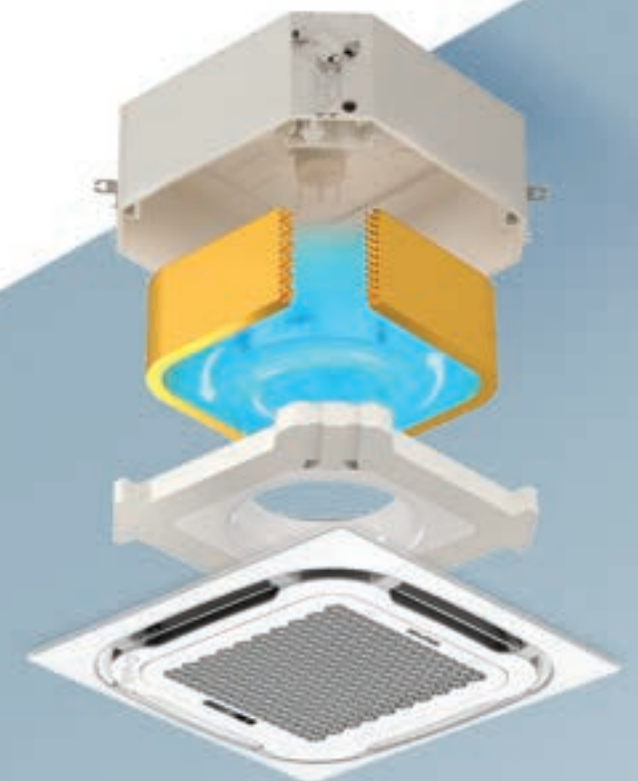
FROST CLEAN TECHNOLOGY

Frost clean technology is a self-cleaning feature that uses frost to remove dirt and impurities from an air conditioner's heat exchanger. This technology works by freezing moisture around the heat exchanger, which traps dust, bacteria, and mold in a layer of frost. The frost is then melted and flushed away, taking the dirt with it.



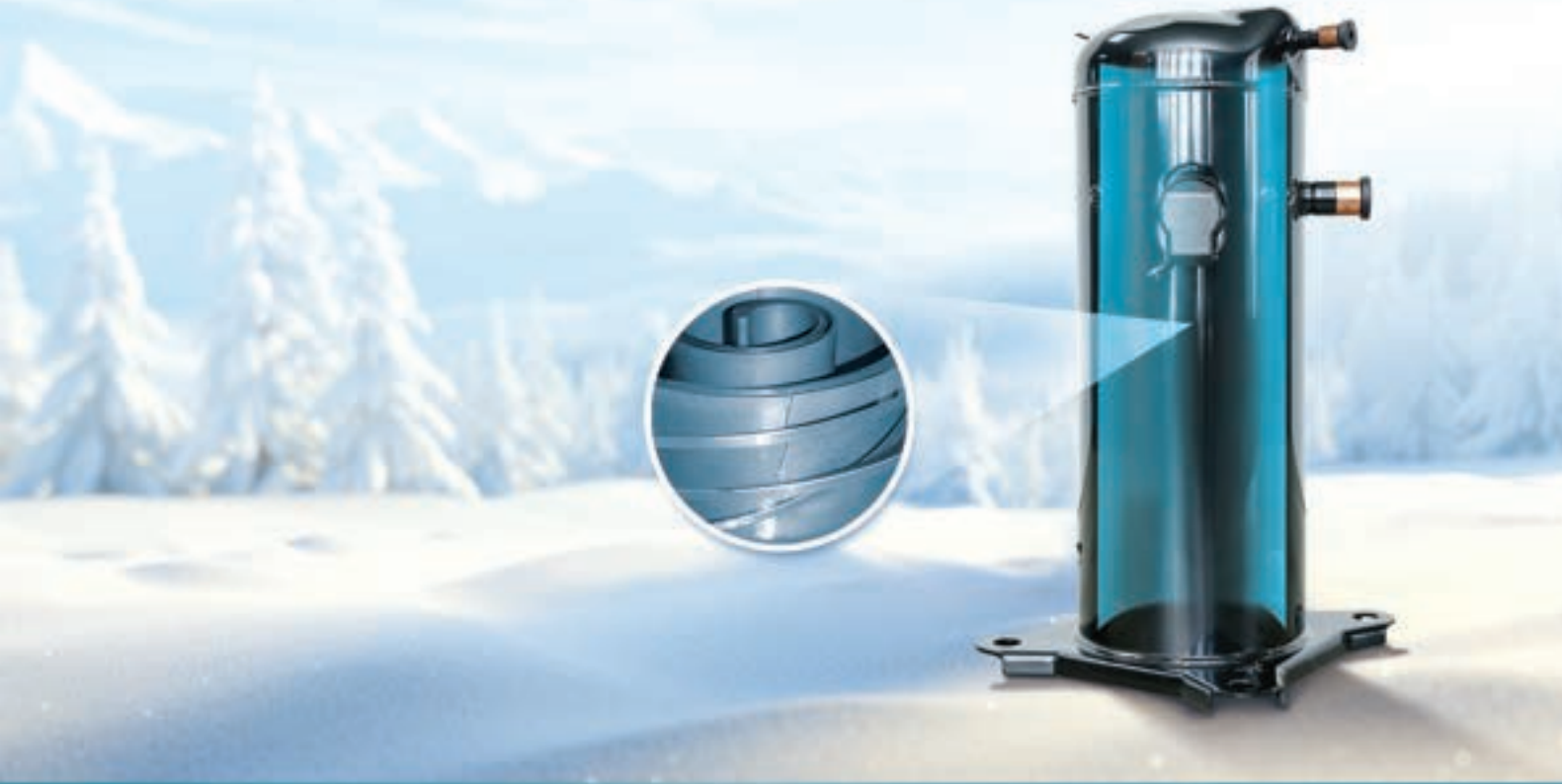
ANTI-MOLD FUNCTION

Whenever your air conditioner is switched off, the anti-mold function automatically keeps the blower operational for certain time for drying its internal components. This prevents the formation of mold which is the primary cause of bad odors from air conditioners.



LACK OF REFRIGERANT PROTECTION

Lack of Refrigerant Protection system ensures turning off the compressor to reduce internal damage when lack of refrigerant is detected. It ensures longer lifespan of the compressor as well as the air conditioning system.



ANTI-FREEZE PROTECTION

Anti-freeze protection prevents forming ice on evaporator coils caused by factors such as dust accumulation, blower malfunction, low refrigerant levels etc. This feature prevents cooling cycle from permanent damage and ensure longer lifespan of the air conditioning system.



PRESSURE & TEMPERATURE PROTECTION

Walton light commercial air conditioners are equipped with high and low pressure switches, discharge sensors, subcooling sensors & more to ensure electrical and mechanical safety of the system, as well as to extend its lifespan.



HIGH AMBIENT PERFORMANCE

Walton light commercial air conditioner's outdoor units remain functional at high ambient temperature (up to 55°C) which is very effective during extreme summer days.



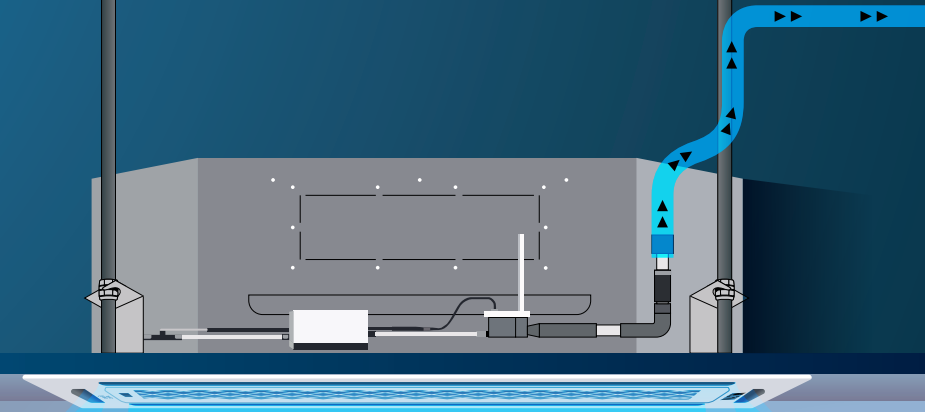
IPX4 RATED PCB

Walton light commercial air conditioner's PCBs are IPX4 rated, ensuring protection against water splashing from any angle during rainfall, cleaning & similar conditions.



HIGH LIFT DRAIN PUMP

Walton air conditioning systems are equipped with a condensate pump, enabling the drainage of condensate water up to 1200mm above the drip tray.



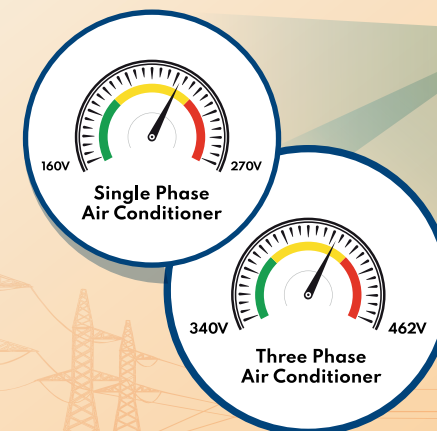
FILTER CLEANING REMINDER

Walton light commercial inverter air conditioners feature a filter cleaning reminder system that alerts users to clean the filter nets after a set operational time.



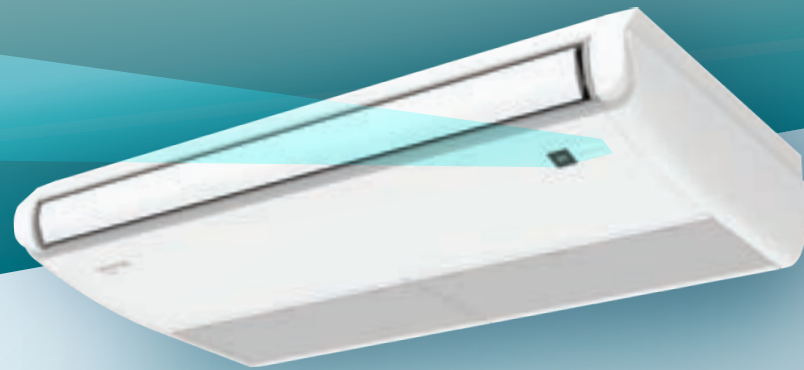
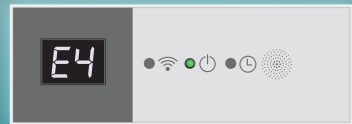
WIDE VOLTAGE RANGE

Walton light commercial air conditioners operate across a wide voltage range, supporting single-phase systems (160-270V) and three-phase systems (340-462V).



EASY ACCESS TO ELECTRICAL BOX

Electric box can be accessed easily by dismantling front net and filter net which is convenient for disassembly and assembly during maintenance and also increases efficiency of maintenance.



SELF-DIAGNOSIS

When your air conditioner encounters a functional error, the device will automatically diagnose the issue and display an error code, making maintenance more convenient.



ANTI-CORROSIVE SOLUTION

Copper tubes and structural surfaces of air conditioners can degrade due to environmental factors and chemical reactions. To combat this, an anti-corrosive solution is specifically integrated into our air conditioning products, especially for installations in coastal and industrial areas prone to salt and chemical exposure. This solution protects key components such as heat exchangers and connecting pipes, preventing rapid corrosion and significantly extending the product's lifespan.



Component	Material	Anti-Corrosion Treatment Solution	Corrosion Resistance
Heat Exchanger	T-0.095 *W 228 Black Hydrophilic Aluminium Fin		1500 Hours Test Result: Passed
Front Panel Top Panel Side Panel Bottom Base Pan Structural Columns etc.	Anti-Corrosion Treated Galvanized Steel	First Step: Application of an Al-Zn Coating With Chromium-free Passivation. Second Step: Spray Coating With Pure Polyester Paint. Total Coating Thickness: Ranges From 90 to 120 Micrometers	1240 Hours Test Result: Passed
PCB	-	-	1240 Hours Test Result: Passed
Motor	-	-	72 Hours Test Result: Passed
Copper Tube	Anti-Corrosion Pipe	Application of black epoxy resin spray coating for outstanding durability in harsh corrosion-prone environments Coating Thickness: 24-35µm	1000 Hours Test Result: Passed



CORPORATE OFFICE

Absolute air conditioning solutions for small office building with a strong emphasis on energy conservation, minimal noise level, comfortable air circulation sustainable for small spaces with efficient control. Features and performance ensure comfortable environment in every corner of the conditioned space.

- Cassette Type (Hexacomb Series)
- Cassette Type (Cordelia Series)
- Ceiling Type (Freddo Series)



COMMERCIAL SPACE

Absolute air conditioning solutions for small office building with a strong emphasis on energy conservation and minimal noise level. Comfortable air circulation for small spaces with efficient control. Features and performance ensure comfortable environment at every corner of the conditioned space.



EDUCATION INSTITUTES

Easy installation and flexible maintenance air conditioning systems are convenient for small and large spaces like classroom, auditorium, canteen, library in educational institutes. Multiple indoor unit options are available with convenient control system.



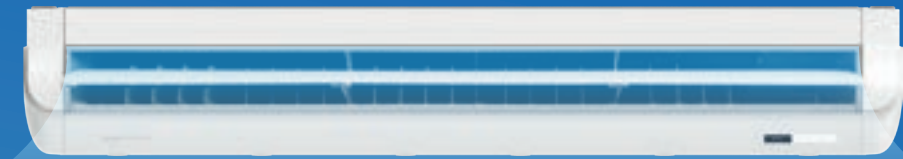
RESIDENTIAL HOTELS

A complete air conditioning solution for all types of rooms and spaces, providing fresh air, a comfortable environment, quiet operation, a convenient control system, and easy maintenance.



RESTAURANTS & SHOPS

An outstanding air conditioning solution for all types of busy spaces, ensuring fresh air, a comfortable environment, quiet operation, intuitive control, and easy maintenance.

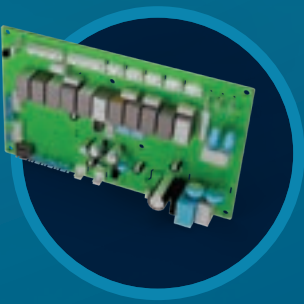
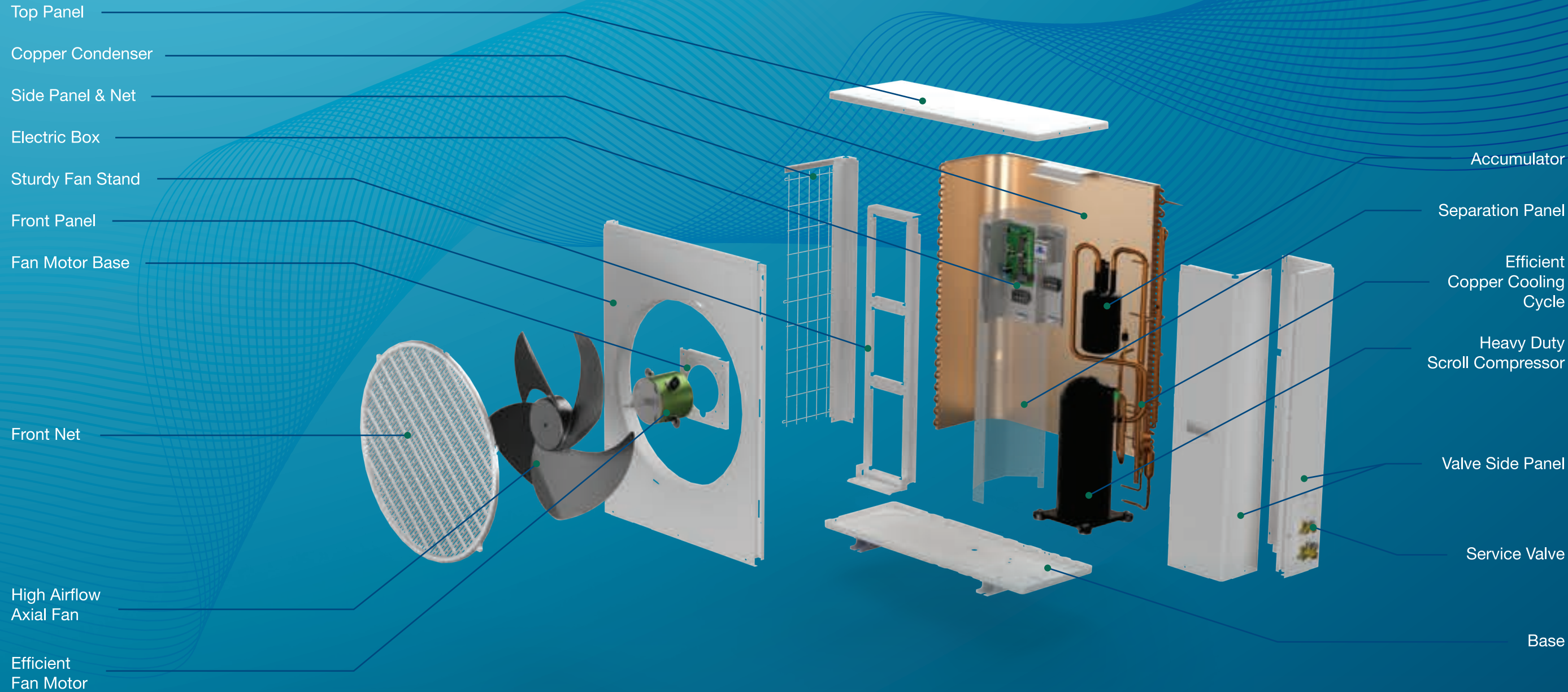


বিশ্বমানের বিক্রয়োত্তর সেবা ও গ্রাহকের আস্থায়
আমরাই সেবা



দেশব্যাপী বিস্তৃত ISO সার্টিফাইড
৪০টি সার্ভিস পয়েন্ট ও
৩,০০০+ সার্ভিস এক্সপার্ট

OUTDOOR EXPLODED



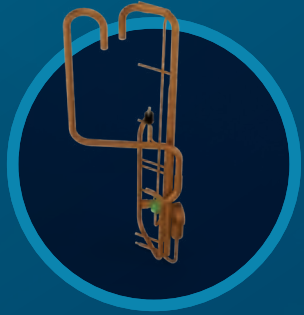
Robust PCB



Brass Distributor



Copper Strainer



Copper Cooling Cycle

