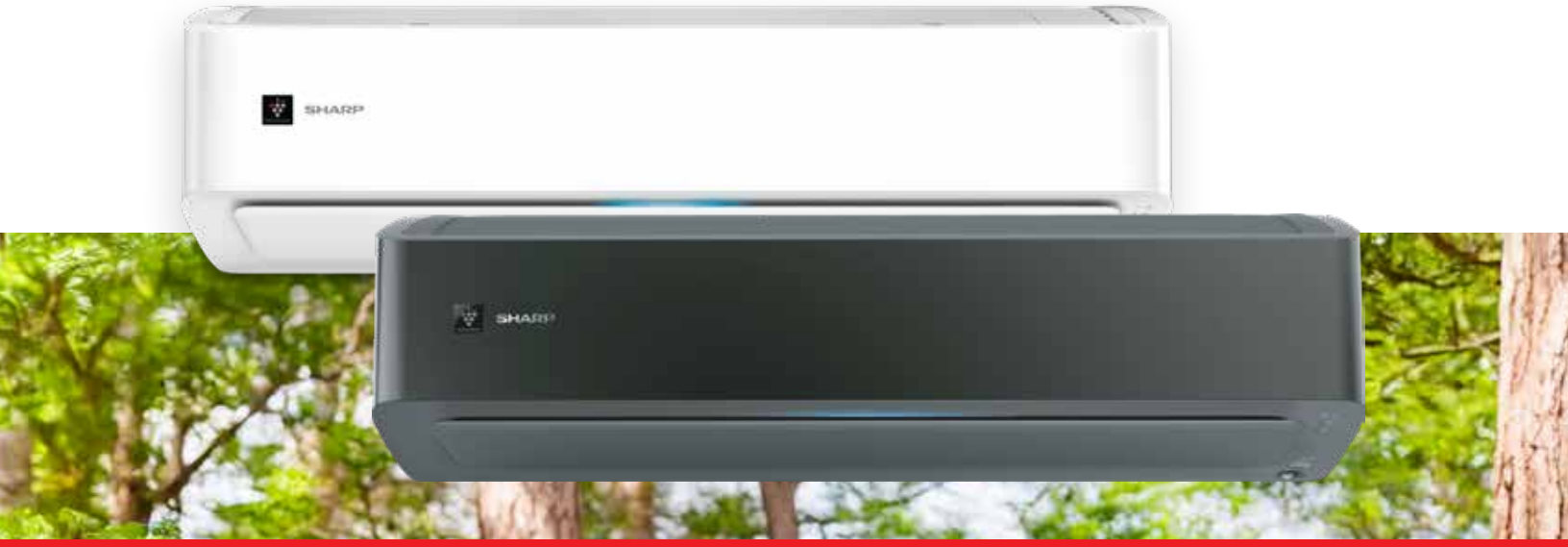
SHARP

DUCTLESS BI-BLOCK WALL UNIT



ECOLOGICALLY RESPONSIBLE WITH UNRIVALED PERFORMANCE

CHU SERIES

12 000 BTU/H

18 000 BTU/H

ENERGY STAR COLD CLIMATE

R32 ECO NEW REFRIGERANT SHARP

Refrigerant R32 | Environmentally friendly

Plasmacluster Ion

WWW.SHARPHVAC.CA

*Plasmacluster is a registered trademark or trademark of SHARP Corporation.

Models Number	AY-XP12CHU AHRI: 217512736 / ENERGY STAR: 4,439,337 AY-XP12CHU-B AHRI: 217512733 / ENERGY STAR: 4,439,335		AY-XP18CHU AHRI: 217508925 / ENERGY STAR: 4,437,577	
Air conditioning Capacity *(Btu/h)*	12 000		18 000	
Air conditioning Min - Max *(Bth/h)*	3 500 - 14 000		6 000 - 21 600	
Heating Capacity *(Btu/h)*	16 000		21 600	
Heating Min - Max *(Btu/h)*	3 100 - 22 850		5 500 - 30 000	
Maximum heating @ -8,3 °C (17 °F) *(Btu/h)*	18 900		22 600	
Maximum heating @ -15 °C (5 °F) *(Btu/h)*	16 000		19 500	
Maximum heating @ -20 °C (-4 °F) *(Btu/h)*	13 800		17 100	
Maximum heating @ -25 °C (-13 °F) *(Btu/h)*	11 600		14 800	
Maximum heating @ -27 °C (-17 °F) *(Btu/h)*	11 200		12 700	
EER [2]	16.0		13.0	
SEER [2]	25.0		25.0	
HSPF [2] *(IV)*	11		11.5	
V, Hz, Phase	208-230/60/1		208-230/60/1	
Maximum Fuse Size *(A)*	20		25	
Dehumidification *Pt/h*	1.9		5.9	
Air conditioning: Sound level *(dB)*	43 / 40 / 36 / 28 / 24		45 / 43 / 38 / 31 / 28	
Air conditioning: Sound level *(dB unit ext.)*	49		52	
Heating: Sound level *(dB)*	44 / 40 / 35 / 29 / 22		49 / 47 / 41 / 31 / 25	
Heating: Sound level *(dB unit ext.)*	50		52	
Air cond.: Air flow *(ft³/min Sh/H/M/B/Sb)*	597 / 519 / 403 / 290 / 212		636 / 597 / 480 / 328 / 251	
Heating: Air flow *(ft³/min Sh/H/M/B/Sb)*	636 / 558 / 466 / 374 / 212		752 / 713 / 558 / 403 / 290	
Operating range of exterior temperature: Air cond.	14 à 115°F (-10 à 46°C)		14 à 115°F (-10 à 46°C)	
Operating range of exterior temperature: Heating	-17 à 75°F (-27 à 24°C)		-17 à 75°F (-27 à 24°C)	
Pipe Diameter *(Liq x Gas) (in.)*	1/4 x 3/8		1/4 x 3/8	
Refrigerant	R32		R32	
Combined Max. length *ft. (m)*	66 (20) (pre-charge: 25')		66 (20) (pre-charge: 25')	
Max. height *ft. (m)*	33 (10)		33 (10)	
Pipe Diameter *(in.)*	Gas 3/8	Liquid 1/4	Gas 3/8	Liquid 1/4
Total weight *lb (kg)*	31 (14)	67 (30)	31 (14)	95 (43)
Dimensions: Width *in.*	41-27/64	30-23/32	41-27/64	33-15/32
Dimensions: Height *in.*	12-7/16	21-1/4	12-7/16	27-15/16
Dimensions: Depth *in.*	9-51/64	10-19/32	9-51/64	13
SHARP	AY-XP12CHU AY-XP12CHU-B INDOOR	AE-X12CHU OUTDOOR	AY-XP18CHU INDOOR	AE-X18CHU OUTDOOR

Plasmacluster Technology

SHARP's unique bacteria-removing Plasmacluster Technology suppresses airborne viruses, and breaks down and removes airborne mold and other contaminants.

Plasmacluster Key Benefits


Plasmacluster Ion Device

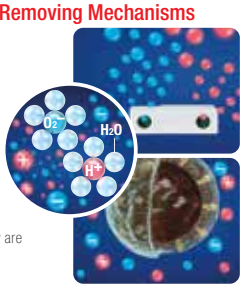
- Suppresses the activity of airborne viruses
- Suppresses the activity of airborne microbes
- Acts on both airborne and adhering mold
- Inactivates and removes airborne allergens like dust mite feces and dead dust mites
- Inactivates and removes adhering odours (like tobacco smoke)
- Removes static electricity which attracts airborne particles
- Plasmacluster is effective all year round

Plasmacluster's Microbe-Removing Mechanisms

1 Ions are released.

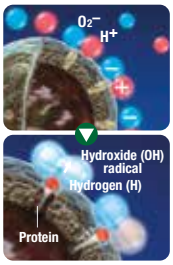
Plasmacluster Ions, the same positive and negative ions found in nature, are generated by plasma discharge and released into the air.

The ions are long-lasting*3 because they are surrounded by water molecules.



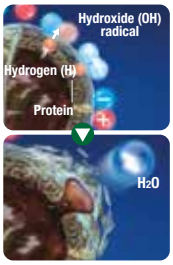
2 The ions act on airborne microbes.

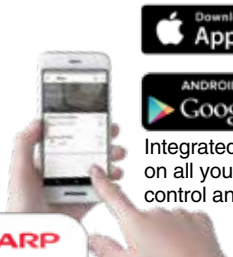
The ions form hydroxide (OH) radicals that are highly oxidizing only when they adhere to the surfaces of mold and viruses. They instantly remove the hydrogen from the surface proteins, breaking them down.



3 The broken-down components return to the air as water.

The hydroxide (OH) radicals combine with hydrogen (H) to form water (H2O), which returns to the air.





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ANDROID APP ON Google play

Integrated SHARP Wi-Fi on all your units for greater control and convenience.

COANDA EFFECT UP TO 50 FEET

NEVER HAVE AIR DIRECTLY ON YOU AGAIN

SHARP "HOT GAS PIPE" system ensures that all condensation holes are kept clear without affecting energy efficiency.

« **HOT GAS PIPE** »
Unique to SHARP

10 YEARS WARRANTY COMPRESSOR

10 YEARS WARRANTY PARTS

AUTHORIZED DEALER

SHARP

• Plasmacluster cannot create a completely sterile environment, or ensure prevention of infection. • The actual number of ions and effectiveness of microbe removing*1 and purifying*2 depend on the room conditions and the operation methods, including room size or shape, whether air conditioning or ventilation is used, product placement, direction of ion discharge, and operation mode. *1 Airborne viruses are suspended in a 1m³ box, and the percentages of the viruses removed after 10 minutes are measured. Suspended microbes subjected to Plasmacluster air purification are measured after 38 minutes in a testing room of about 40 m³. Test results may differ results in actual room conditions. *2 The effectiveness depends on the surrounding conditions (e.g., temperature, humidity and airflow), usage time and method. *3 Verified in **SHARP** test comparisons of ions not surrounded by water molecules.