

SHARP

DUCTLESS BI-BLOCK
WALL UNIT



ECOLOGICALLY RESPONSIBLE
WITH UNRIVALED PERFORMANCE

CU SERIES

12 000 BTU/H

15 000 BTU/H

18 000 BTU/H

24 000 BTU/H



Réfrigérant R32 | Environmentally friendly



WWW.SHARPHVAC.CA

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



Models Number	AY-XPC12CU AHRI: 217512740 ENERGY STAR: 4,439,339		AY-XP15CU AHRI: 217512734 ENERGY STAR: 4,439,336		AY-XPC18CU AHRI: 217508915 ENERGY STAR: 4,510,266		AY-XP24CU AHRI: 217508895 ENERGY STAR: 4,510,268			
	AHRI: 217508926 ENERGY STAR: 4,437,576		AY-XPC18CU-B AHRI: 217508914 ENERGY STAR: 4,510,267							
Air conditioning Capacity (Btu/h)	12 000		15 000		18 000		22,000			
Air conditioning Min - Max (Bth/h)	2 800 - 13 600		5 000 - 17 000		6 000 - 21 600		6 000 - 23 000			
Heating Capacity (Btu/h)	14,000		18 000		22 400		24 000			
Heating Min - Max (Btu/h)	3 200 - 17 100		4 500 - 21 800		5 500 - 25 600		5 500 - 27 100			
Max. heating @ -8,3 °C (17 °F) (Btu/h) (COP)	15 000 (2.31)		18 100 (2.21)		22 400 (2.34)		22 400 (2.34)			
Max. heating @ -15 °C (5 °F) (Btu/h) (COP)	12 700 (2.1)		15 300 (2.1)		19 000 (2.2)		19 000 (2.2)			
Max. heating @ -20 °C (-4 °F) (Btu/h) (COP)	10 100 (1.98)		13 200 (2.02)		15 000 (2.12)		16 400 (2.08)			
Max. heating @ -25 °C (-13 °F) (Btu/h) (COP)	8 200 (1.82)		11 100 (1.88)		12 000 (1.95)		13 900 (1.91)			
Max. heating @ -27 °C (-17 °F) (Btu/h) (COP)	8 000 (1.77)									
Max. heating @ -30 °C (-22 °F) (Btu/h) (COP)			8 900 (1.7)		9 200 (1.72)		10 500 (1.72)			
EER ²	12.5		13.4		13		10			
SEER ²	22		24		24		22			
HSPF ² (I/V)	11		11		11		11			
V, Hz, Phase	208-230/60/1		208-230/60/1		208-230/60/1		208-230/60/1			
Maximum Fuse Size (A)	15		20		25		25			
Dehumidification Pt/h	3.2		3.2		5.1		6.8			
Air conditioning: Sound level (dB)	42 / 39 / 34 / 27 / 23		46 / 42 / 38 / 30 / 26		45 / 43 / 40 / 31 / 28		47 / 45 / 40 / 33 / 30			
Air conditioning: Sound level (dB unit ext.)	49		49		52		53			
Heating: Sound level (dB)	43 / 40 / 35 / 28 / 23		46 / 42 / 36 / 30 / 23		49 / 47 / 41 / 31 / 25		49 / 47 / 41 / 31 / 25			
Heating: Sound level (dB unit ext.)	50		50		52		54			
Air cond.: Air flow (ft³/min Sh/H/M/B/Sb)	438 / 385 / 307 / 219 / 145		636 / 558 / 441 / 328 / 251		636 / 597 / 480 / 328 / 251		674 / 636 / 519 / 367 / 290			
Heating: Air flow (ft³/min Sh/H/M/B/Sb)	438 / 385 / 318 / 254 / 145		674 / 597 / 505 / 413 / 251		752 / 713 / 558 / 403 / 290		752 / 713 / 558 / 403 / 290			
Operating range of exterior temperature: Air cond.	14 ± 115°F (-10 ± 46°C)		14 ± 115°F (-10 ± 46°C)		14 ± 115°F (-10 ± 46°C)		14 ± 115°F (-10 ± 46°C)			
Operating range of exterior temperature: Heating	-17 ± 75°F (-27 ± 24°C)		-17 ± 75°F (-27 ± 24°C)		-17 ± 75°F (-27 ± 24°C)		-17 ± 75°F (-27 ± 24°C)			
Pipe Diameter (Liq x Gas) (in.)	1/4 x 3/8		1/4 x 3/8		1/4 x 3/8		1/4 x 3/8			
Refrigerant	R32		R32		R32		R32			
Combined Max. length ft. (m)	66 (20) (pre-charge: 25')		66 (20) (pre-charge: 25')		66 (20) (pre-charge: 25')		66 (20) (pre-charge: 25')			
Max. height ft. (m)	33 (10)		33 (10)		33 (10)		33 (10)			
Pipe Diameter (in.)	Gas 3/8	Liquid 1/4	Gas 3/8	Liquid 1/4	Gas 3/8	Lique 1/4	Gas 3/8	Liquid 1/4		
Total weight lb (kg)	22 (10)	67 (30)	31 (14)	67 (30)	31 (14)	95 (43)	31 (14)	95 (43)		
Dimensions: Width in.	34-39/64	30-23/32	41-27/64	30-23/32	41-27/64	33-15/32	41-27/64	33-15/32		
Dimensions: Height in.	11-3/8	21-1/4	12-7/16	21-1/4	12-7/16	27-15/16	12-7/16	27-15/16		
Dimensions: Depth in.	9-1/64	10-19/32	9-51/64	10-19/32	9-51/64	13	9-51/64	13		
SHARP			AY-XP12CU INDOOR	AE-X12CU OUTDOOR	AY-XP15CU AY-XP15CU-B INDOOR	AE-X15CU OUTDOOR	AY-XPC18CU AY-XPC18CU-B INDOOR	AE-X18CU OUTDOOR	AY-XP24CU INDOOR	AE-X24CU OUTDOOR

Plasmacluster Technology

Plasmacluster Key Benefits

- 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 Ion Device

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

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.



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.

SHARP

• Plasmacluster cannot create a completely sterile environment, or ensure prevention of infection. • The actual number of ions and effectiveness of microbes 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.

10
YEARS
WARRANTY
COMPRESSOR

A shield-shaped badge with a dark background. The number '10' is prominently displayed in large white font. Below it, the words 'YEARS' and 'WARRANTY' are written in smaller white capital letters. At the bottom of the shield, the word 'PARTS' is written in large white capital letters.

AUTHORIZED DEALER