

SHARP

TU SERIES



WALL-MOUNTED HEAT PUMPS

12 000 BTU, 15 000 BTU, 18 000 BTU & 24 000 BTU

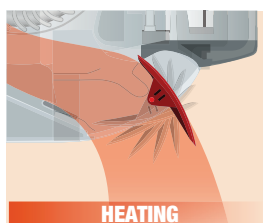
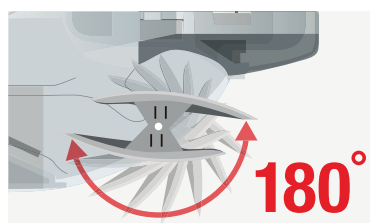
AY-XPC12TU, AY-XPC15TU, AY-XPC18TU & AY-XP24TU

Up to 11.4 HSPF



A PIONEER OF INNOVATION IN THE HIDDEN PROPERTIES OF AIR

Models Number	AY-XP12TU ENERGY STAR	AY-XP15TU ENERGY STAR	AY-XP18TU ENERGY STAR	AY-XP24TU
Air conditioning Capacity (Btu/h)	11,500	14,000	17,000	22,000
Min. - max. climatization (Btu/h)	4,000~13,500	5,000~14,000	6,000~19,000	6,000~22,000
Heating Capacity (Btu/h)	14,000	18,000	21,600	24,000
Min - Max heating (Btu/h)	3,500~18,000	4,500~20,000	5,500~25,000	5,500~26,000
EER	12.5	12.5	12.5	9.0
HSPF (IV)	11.4	9.6	10.6	10.0
SEER	22.5	21.5	21.0	19.0
Air-conditioning T° scale °F(°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating T° scale °F(°C)	-4~75 (-20~24)	-4~75 (-20~24)	-4~75 (-20~24)	-4~75 (-20~24)
Dehumidification Pt/h	3.2	3.2	5.1	6.8
V, Hz, Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Recommended fuse size (A)	20	20	25	25
Air flow (CFM): Super high	408	504	512	545
High	381	467	478	512
Moyenne	330	410	420	444
Low	214	306	310	344
Noise level (dB): Super high	45	47	48	50
High	44	44	45	49
Moyenne	39	41	42	44
Low	27	32	33	36
Fan speed, stage	5 + auto	5 + auto	5 + auto	5 + auto
Air direction: horizontal	manual	manual	manual	manual
Air direction: vertical	automatic	automatic	automatic	automatic
Air filter	washable	washable	washable	washable
Connection method	flared	flared	flared	flared
Max. combined length ft (m)	66 (20) (preset: 33')	66 (20) (preset: 33')	98 (30) (preset: 33')	98 (30) (preset: 33')
Max. height ft (m)	33 (10)	33 (10)	33 (10)	33 (10)
Connection diameter in.	Gas 3/8 Liquid 1/4	Gas 1/2 Liquid 1/4	Gas 1/2 Liquid 1/4	Gas 1/2 Liquid 1/4
Net weight lb (kg)	21 (9.5) 85 (38.5)	26 (11.5) 91 (41)	29 (13) 103 (46.5)	29 (13) 103 (46.5)
Dimensions: Width in.	36-7/32	30-23/32	38	33-15/32
Height in.	11-13/32	21-1/4	12-5/16	12-5/16
Depth in.	9-7/16	10-19/32	13	13
SHARP	AY-XP12TU INDOOR	AE-X12TU OUTDOOR	AY-XP15TU INDOOR	AE-X15TU OUTDOOR



Rotating shutter pivots up to 180°

From the center, the damper can be rotated through approximately 180°, generating an airflow that is conducive to heating and cooling. The angle of the damper can also be adjusted to suit your needs using the remote control.



SHARP

*1 - Viruses are suspended in a 1 m³ box, and the percentage of viruses eliminated is measured after ten minutes. The concentration of microbes suspended in a 40 m³ room is measured after 38 minutes using the Plasmacluster air purification system. Test results may vary from those obtained under actual room conditions. *2 - Air purification efficiency depends on ambient conditions (temperature, humidity and air flow), operating time and operating mode. *3 - Compared to ions not surrounded by water molecules in tests carried out by SHARP.



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

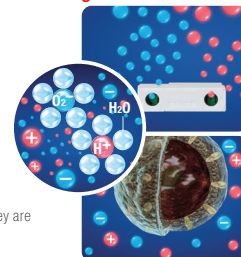
- Suppresses the activity of airborne viruses
- Suppresses the activity of airborne microbes
- Acts on both airborne and adhering mold
- Inactivates and removes airborne allergens like dust mite feces and dead dust mites
- Inactivates and removes adhering odors (like tobacco smoke)
- Removes static electricity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

Plasmacluster's Microbe-Removing Mechanisms

1 Ions are released.

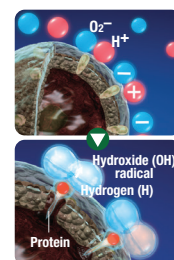
Plasmacluster Ions, the same positive and negative ions found in nature, are generated by plasma discharge and released into the air.

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



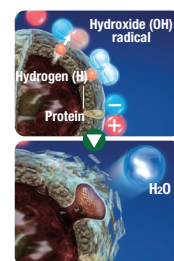
2 The ions act on airborne microbes.

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.



Operation and functions



AUTHORIZED DEALER