

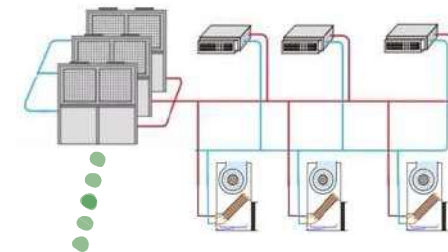
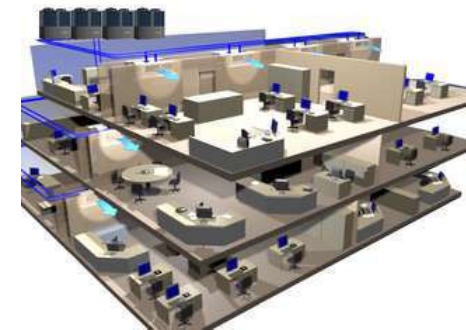


R32 Commercial Air Cooled Chiller & Heat Pump 12-24Ton 480V/575V



HOMY Heating & Cooling Solutions is new sustainable and highly efficient air cooled chiller & heat pump, ideal for large commercial, industrial or multi dwelling residential applications.

By utilizing R32 refrigerant with very low Global Warming Potential (GWP 675) , this heat pump has a lower environmental impact when released into the atmosphere compared to other refrigerants. It delivers outstanding A+ performance.



Cascade max.8 unit modules



Fan speed control - option

The fan can be equipped with a temperature condensation control technology.

Condenser

Highly optimized heat exchanger design enables a refrigerant charge reduction of 50%: Less than 10.5lbs of A2L refrigerant (R32).

Electronic expansion valve

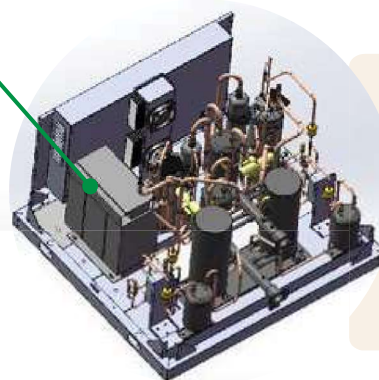
This reliable and high-performant valve minimises overheating of the evaporator. It is directly managed from the control system.

Controller

This new high standard control system provides excellent pressure control, as well as global and optimized unit management.

Removable panels

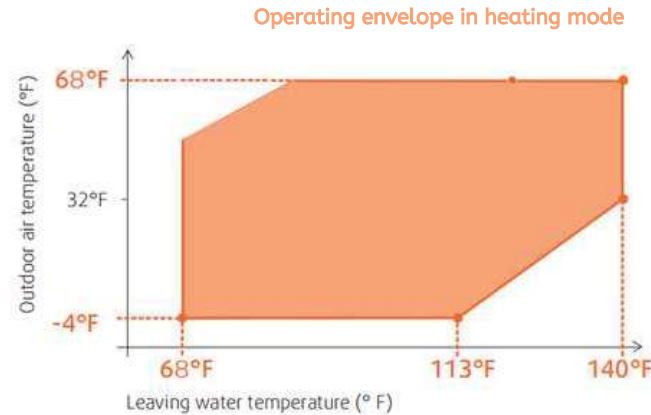
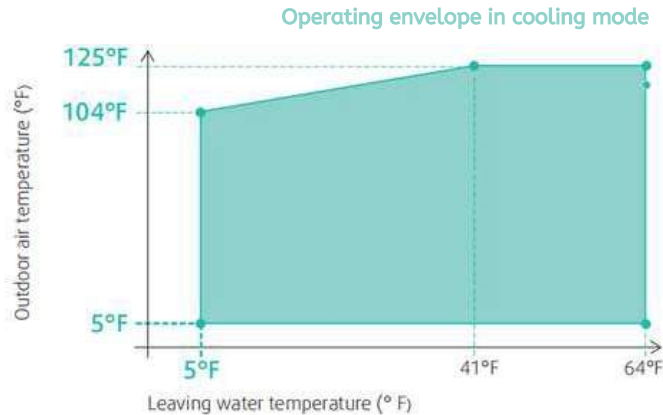
Great accessibility to internal components for service operations.



Built-in Transformer for 480V & 575V

Follow the USA & Canadian voltage standards, with transformer already pre installed, simplify and less expensive installation.

Operating limits



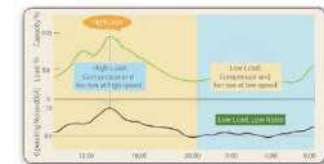
Boost your capacity up to 192 Ton



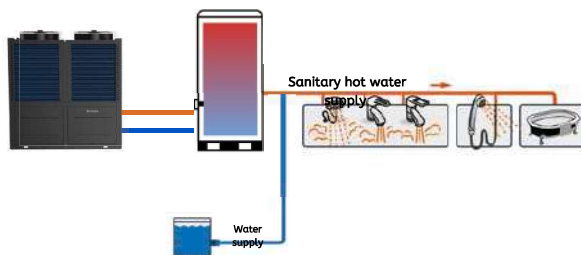
by combining up to 8 units together.

Active noise reduction

The unit with multiple quiet technologies and sound-efficient components. By dynamically adjusting speed based on current demand, ambient temperature, and other variables, it ensures operational noise remains at a minimal 56dB(A).



Easy operation



Access anywhere anytime

Whether from the office or on the road, using a desktop PC, tablet or smartphone, the cloud solution ensures you always have full control of your machine. For adjusting set points, access to all the relevant data and functions, just a quick check or a detailed analysis,



Technical features-12Ton

Model		12Ton
IP rating	IPXX	IPX4
Power Supply	V/Hz/Ph	480V~500V/60Hz/3Ph for USA 575V~600V/60Hz/3Ph for Canada
Hot Water Volume(1)	L	860
Hot water Heating Capacity(1)	Ton	12 Ton
Heating Power input(1)	W	8,800
C.O.P(1)		4.55
Min/Max Heating Capacity (2)	Ton	3.5~12 Ton
EL. Heating Power input Min/Max (2)	W	2,828~ 12,253
C.O.P Min/Max(2)		3.55~4.42
Min/Max Heating Capacity (3)	Ton	3.5~12 Ton
EL. Heating Power Input Min/Max (3)	W	4,023~14,381
C.O.P Min/Max(3)		2.99~3.38
Min/Max Heating Capacity (4)	Ton	3.0~8.5 Ton
EL.Heating Power Input Min/Max(4)	W	4,525~14,020
C.O.P Min/Max(4)		2.14~2.54
Energy class	/	A+
Min/Max Cooling Capacity(5)	Ton	3~8.5 Ton
EL. Cooling Power input Min/Max(5)	W	3,119~11,840
E.E.R Min/Max(5)		2.58~3.27
Min/Max Ambient Temp.in Heating Mode	°F	-13~108
Min/Max Ambient Temp.in Cooling Mode	°F	68~108
Max Flower Temp. in Heating Mode	°F	140
Min Flower Temp. in Heating Mode	°F	50
Min Flower Temp.in Cooling Mode	°F	41
Net Dimension(L×D×H)	Inch	44.68*40.78*75.59in
Net weight	lbs	

HOMY
BUILDING SOLUTIONS

COP
4.55

A+

Energy efficiency class
According to Delegated
Regulation No. 813/2013 of
the European Commission



Note:

- (1) Hot Water Condition: Ambient temperature (DB/WB): 68°F/59°F, Water Circulation is from 59°F to 131°F
- (2). Heating condition: water inlet/outlet temperature: 86°F/95°F, Ambient temperature (DB/WB): 44.6°F/42.8°F
- (3) .Heating conditilon: water inlet/outlet temperature: 104°F/113°F, Ambient temperature (DB/WB): 44.6°F/42.8°F
- (4). Heating conditilon: water inlet/outlet temperature:97°F106°F, Ambient temperature (DB/WB) :10.4°F/6.8°F
- (5) .Cooling condition: water inlet/outlet temperature:53.6°F/44.6°F, Ambient temperature (DB/WB):95°F/75.2°F

CE ErP ✓RoHS

CS US

ETL

AIR CERTIFIED

Technical features-24Ton

Model		24Ton
IP rating	IPXX	IPX4
Power Supply	V/Hz/Ph	480V-500V/60Hz/3Ph for USA 575V-600V/60Hz/3Ph for Canada
Hot Water Volume(1)	L	1930
Hot water Heating Capacity(1)	Ton	24 Ton
Heating Power input(1)	W	19,700
C.O.P(1)		4.57
Min/Max Heating Capacity (2)	Ton	7.5-25 Ton
EL. Heating Power input Min/Max (2)	W	7,320-24,723
C.O.P Min/Max(2)		3.62-4.47
Min/Max Heating Capacity (3)	Ton	7.5-25 Ton
EL. Heating Power Input Min/Max (3)	W	7,971-28,525
C.O.P Min/Max(3)		3.12-3.45
Min/Max Heating Capacity (4)	Ton	6.5-17 Ton
EL.Heating Power Input Min/Max(4)	W	9,050-26,900
C.O.P Min/Max(4)		2.23-2.60
Energy class	/	A+
Min/Max Cooling Capacity(5)	Ton	6.5-17.5 Ton
EL. Cooling Power input Min/Max(5)	W	6,969-24,117
E.E.R Min/Max(5)		2.55-3.30
Min/Max Ambient Temp.in Heating Mode	°F	-13~108
Min/Max Ambient Temp.in Cooling Mode	°F	68~108
Max Flower Temp. in Heating Mode	°F	140
Min Flower Temp. in Heating Mode	°F	50
Min Flower Temp.in Cooling Mode	°F	41
Net Dimension(L×D×H)	Inch	84.64*45.27*88.58in
Net weight	lbs	

HOMY
BUILDING SOLUTIONS

COP
4.57

A+

Energy efficiency class
According to Delegated
Regulation No. 813/2013 of
the European Commission



Note:

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- (2). Heating condition: water inlet/outlet temperature: 86°F/95°F, Ambient temperature (DB/WB): 44.6°F/42.8°F
- (3). Heating condition: water inlet/outlet temperature: 104°F/113°F, Ambient temperature (DB/WB): 44.6°F/42.8°F
- (4). Heating condition: water inlet/outlet temperature: 97°F/106°F, Ambient temperature (DB/WB): 10.4°F/6.8°F
- (5). Cooling condition: water inlet/outlet temperature: 53.6°F/44.6°F, Ambient temperature (DB/WB): 95°F/75.2°F

