

UNITY

UniX

UNIVERSAL DC INVERTER DUCTED CENTRAL HEAT PUMP

UniX 18SEER 24V D.C inverter condensing unit, which is a newly designed and high efficiency air conditioners, are targeted at the North America market and mainly applied to villas, office buildings, supermarkets, hotels, restaurants etc.



2/3 Ton



4-5 Ton



2/3/4/5 Air Handler



Self-diagnosis



Comprehensive protection



High ESP



Wide operation range



High efficiency



Intelligent defrosting



Energy saving function



Inner groove copper

- Outdoor unit adopts inverter compressor, efficiency is up to 20SEER & 10.5HSPF.
- Adopt Gree two-stage compression EVI technology, small performance decline at extremely hot or cold area.
 Ultra Heat: strong heating at low ambient temperature:100% Heating Capacity down to -5°F(-20°C)*.
 78% Heating Capacity down to -22°F(-30°C)*.
 Ultra Cool: strong cooling at high ambient temperature:100% Cooling Capacity up to 115°F(46°C)*.
 78% Cooling Capacity up to 130°F(54°C)*.
- Compatible with most standard 24V thermostat in the market.
- Inverter technology, quieter, more comfortable, more energy saving.
- Installation similar to traditional air conditioner, few training needed for experienced installers.
- Compact space saving design; perfect for installation with space limitation such as zero-lot-line house.

*Notes: Test results based on condenser TU3-24WADU and air handler TU24-24AADU.



Max.piping length(m(ft.))	2 Ton	3 Ton	4 Ton	5 Ton
Max refrigerant pipe length between IDU and ODU	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
Max vertical height difference between IDU and ODU	15 (49.2)	15 (49.2)	15 (49.2)	15 (49.2)

Item	Nominal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		
	DB(°F/°C)	WB(°F/°C)	DB(°F/°C)	WB(°F/°C)	Outdoor condition DB(°F/°C)
Cooling	95/35	75/23.9	80/26.7	67/19.4	5~118.4/-15~48
Heating	47/8.3	43/6.1	70/21.1	60/15.6	-22~75.2/-30~24

● Specifications

Condensing Unit

Model		-	TU36-24WADU*2		TU60-24WADU*12	
Capacity range		Ton	2	3	4	5
Capacity	Cooling	Btu/h	24,000	36,000	48,000	54,000
	Heating	Btu/h	24,000	36,000	48,000	54,000
Power supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
SEER		/	20	18	18	17
EER		/	12.5	11	11	10.5
HSPF		/	10.5	10	10.5	10
MCA		A	24	24	35	35
MOP		A	35	35	45	45
Refrigerant Charge volume		lbs	9.3	9.3	12.3	12.3
Sound pressure level		dB(A)	62	62	61	61
Connecting pipe	Liquid	In.	3/8	3/8	3/8	3/8
	Vapor	In.	3/4	3/4	3/4	3/4
Dimension (W×D×H)	Outline	In.	37×18-1/8×32-1/4	37×18-1/8×32-1/4	42-3/4×16-7/8×53-3/4	42-3/4×16-7/8×53-3/4
	Package	In.	42-5/8×22-5/8×38-1/4	42-5/8×22-5/8×38-1/4	45×18-7/8×59-3/8	45×18-7/8×59-3/8
Net weight/Gross weight		lbs	217.2/240.3	217.2/240.3	309/338	309/338
Loading quantity	40' GP	set	84	84	48	48
	40' HQ	set	84	84	48	48
Temperature operation range for cooling (°F)			5~118.4	5~118.4	5~118.4	5~118.4
Temperature operation range for heating (°F)			-22~75.2	-22~75.2	-22~75.2	-22~75.2

Air Handler

Model		-	TU24-24AADU	TU36-24AADU	TU48-24AADU*1	TU60-24AADU*1
Capacity	Cooling	Btu/h	24,000	36,000	48,000	54,000
	Heating	Btu/h	24,000	36,000	48,000	54,000
Power supply		V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Power consumption		W	150	200	400	500
Air Flow Volume		m³/h	1600	1700	2500	2720
		CFM	940	1000	1470	1600
MCA		A	4	4	4	4
ESP		In,W,G	0.1	0.15	0.2	0.2
Sound pressure level		dB(A)	45	49	50	51
Connecting pipe	Liquid	In.	3/8	3/8	3/8	3/8
	Vapor	In.	3/4	3/4	3/4	3/4
Dimension (W×D×H)	Outline	In.	21-1/4×21-1/4×48-1/4	21-1/4×21-1/4×48-1/4	24-3/4×21-1/4×57	24-3/4×21-1/4×57
	Package	In.	23-1/2×24-3/4×50-3/4	26×23-3/4×50-3/8	27×24-1/2×60	27×24-1/2×60
Net weight/Gross weight		lbs	156.5/169.8	156.5/169.8	202.8/218.3	202.8/218.3
Loading Quantity	40' GP	set	85	85	85	85
	40' HQ	set	114	114	114	114

*Note: This product is under development. Please confirm the final specifications with sales representatives.

*Note: 3 Ton ODU can be switched to 2 Ton ODU. 5 Ton ODU can be switched to 4 Ton ODU.