

R454B Split Type Variable Speed Reheat Heat Recovery Air Conditioner Heat Pump			
Parameter	Item / Detail	Condition / Value Order	Value — U.S. (International)
Model & Power supply			
Model	Indoor Unit	-	UCHA-60HTD4N4
Model	Outdoor Unit	-	UCHA-60HTDS4N4
Power supply	Indoor	Ph-V-Hz	1Ph-277V-60Hz
Power supply	Outdoor	Ph-V-Hz	3Ph-460V-60Hz
Cooling			
Capacity		Rated (minimum~maximum)	54,000(23,900~62,000) Btu/h (15.8(7.0~18.2) kW)
Sensible Cooling Capacity		Rated MBH/Kw	22.3/6.54
Latent Cooling Capacity		Rated MBH/Kw	3.17/9.29
Input / Current		Rated	5,400 W / 9.69 A
EER2 / SEER2			10 / 18 Btu/h.W (2.93 / 5.28 W/W)
Hot Gas Reheat			
Hot Gas Reheat Capacity		Rated MBH/Kw	22/6.45
Heating			
Capacity		Rated (minimum~maximum)	54,000(27,000~62,000) Btu/h (15.8(7.9~18.2) kW)
Input / Current / COP2		Rated	4396
Low-temperature capacity	Capacity	17°F (-8.3°C) / 5°F (-15.0°C) / -13°F (-25.0°C)	48,000 / 39,000 / 32,000 Btu/h (14.1 / 11.4 / 9.4 kW)
Low-temperature COP2	COP2	17°F (-8.3°C) / 5°F (-15.0°C) / -13°F (-25.0°C)	2.4 / 2.1 / 2.0 W/W
HSPF2 IV/V	IV / V		10 / 8.5 Btu/h.W (2.93 / 2.49 W/W)
Dehumidification			
Dehumidification in cooling mode	Dehumidification capacity	Indoor environment temperature: DB80°F / 60%RH (DB26.7°C / 60%RH)	710 pint/D / 29.59 pint/h (14 L/h)
	Dehumidification capacity	Indoor environment temperature: DB75°F / 50%RH (DB23.9°C / 50%RH)	396 pint/D / 16.48 pint/h (7.8 L/h)
	Dehumidification capacity	Indoor environment temperature: DB59°F / 50%RH (DB15.0°C / 50%RH)	223 pint/D / 9.30 pint/h (4.4 L/h)
Constant temperature dehumidification mode	Dehumidification capacity	Indoor environment temperature: DB80°F / 60%RH (DB26.7°C / 60%RH)	691 pint/D / 28.81 pint/h (13.63 L/h)
	Dehumidification capacity	Indoor environment temperature: DB75°F / 50%RH (DB23.9°C / 50%RH)	379 pint/D / 15.79 pint/h (7.47 L/h)
	Dehumidification capacity	Indoor environment temperature: DB59°F / 50%RH (DB15.0°C / 50%RH)	209 pint/D / 8.71 pint/h (4.12 L/h)
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Electrical & Indoor Unit			
Max. input consumption / Max. current			7,200 W / 15 A
Indoor air flow	High / Medium-high / Medium / Medium-low / Low		2,002 / 1,795 / 1,500 / 1,201 / 1,003 CFM (3,401 / 3,050 / 2,549 / 2,041 / 1,704 m³/h)
Indoor sound pressure level			≤64 dB(A)
ESP	Rated / Range	In.W.C(Pa)	0.3 In.W.C (75 Pa) / 0-0.8 In.W.C (0-200 Pa)
Indoor fan motor (Multi speed ECM)	Type / Structure / Qty / Output		Constant Airflow ECM / Internal rotor / 1 / 1 HP (0.75 kW)
Indoor throttle type		-	EEV*2
Indoor dimension	Unit / Packing (W*H*D)	inch (mm)	57.3×16.1×36.9 inch (1455×409×937 mm) / 63.5×22.2×37.3 inch (1613×564×947 mm)
Indoor Net/Gross weight	Net / Gross	lbs (kg)	171 / 186 lbs (77.6 / 84.4 kg)
Outdoor Unit			
Outdoor sound pressure level			≤59 dB(A)
Outdoor throttle type		-	EEV*1
Outdoor fan motor	Type / Structure / Qty / Output		DC / Internal rotor / 2 / 85 W
Compressor	Brand / Type / Model		GMCC / DC Twin ROTARY / KTF420D62UNT
Outdoor dimension	Unit / Packing (W*H*D)	inch (mm)	40.55×52.52×14.96 inch (1030×1334×380 mm) / 45.6×54.3×19.7 inch (1158×1379×500 mm)
Outdoor Net/Gross weight	Net / Gross	lbs (kg)	229.5/249.7(104.1/113.3kg)
Refrigerant & Piping			
Refrigerant	Type	-	R454B
Refrigerant pipe	Liquid side / Reheat side / Gas side	in (mm)	3/8 inch (Φ9.53 mm) / 5/8 inch (Φ15.88 mm) / 3/4 inch (Φ19.05 mm)
Installation limits	Max. pipe length / Max. difference in level	ft (m)	150 ft (45.7 m) / 50 ft (15.2 m)
Operating Range			
Operation temp		°F (°C)	50 ~ 86°F (10 ~ 30°C)
Humidity setting		%RH	30 ~ 90%RH
Ambient temp	Cooling / Heating / Constant Temperature & Dehumidify	°F (°C)	-13 ~ 118 / -13 ~ 75 / -13 ~ 118°F (-25.0 ~ 47.8 / -25.0 ~ 23.9 / -25.0 ~ 47.8°C)
Rated Test Conditions & Reference			
Rated cooling test conditions	Outdoor DB/WB / Indoor DB/WB	°F (°C)	95.0°F\75.0°F / 80.0°F\67.0°F (35.0°C/23.9°C / 26.7°C/19.4°C)
Rated heating test conditions	Outdoor DB/WB / Indoor DB/WB	°F (°C)	47.0°F\43.0°F / 70.0°F\60.0°F (8.3°C/6.1°C / 21.1°C/15.6°C)
Reference			AHRI Standard 210.240-2024