

Multi Heat Pump Outdoor Unit Technical Specification

Model No.		HNT-IP27VMCL/O	
Control type		Remote Controller	
Cooling capacity	Btu/h	27000(6820~32000)	
	W	7900(2000~9400)	
Heating capacity	Btu/h	28000(6820~35000)	
	W	8200(2000~10250)	
Phdesignnc	Btu/h	27000	
	W	7900	
Phdesignh	Btu/h	21150	
	W	6400	
SEER (Class)	W/W	7.2 (A++)	
SCOP (Class)	W/W	4.6 (A++)	
EER	W/W	3.50	
COP	W/W	3.90	
Declare capacity(-10°C)		W	6240
Elbu (Backup eletrical capacity)		W	160
Outdoor sound power level		dB(A)	65
Phdesignh warmer		W	6400
SCOP warmer (Class)		W/W	5.1(A+++)
Declare capacity(2°C)		W	6400
Elbu (Backup eletrical capacity)		W	0
Phdesignh Colder		W	6200
SCOP Colder (Class)		W/W	3.6
Declare capacity(-22°C)		W	6200
Elbu (Backup eletrical capacity)		W	0
Power supply			220-240V~/50HZ
Voltage Range		V	165~265
Power input	Cooling	W	2250(290~3450)
	Heating	W	2100(290~3450)
Operating Current	Cooling	A	9.8(1.3~15.0)
	Heating	A	9.1(1.3-15.0)

Annual electricity consumption	Cooling	KWh	384
	Average	KWh	1948
	Warmer	KWh	1757
	Colder	KWh	3617
Refrigerant/Charge		Gram	R32/1800g
CO2 equivalent		Tonnes	1.485
Compressor type			Twin Rotary
Compressor brand&model			GMCC KTM240D43UMT2
Compressor oil type			PEO VG74
Compressor oil charge		ml	620ml
Outdoor fan type			axial-flow
Outdoor fan motor model			22001-000643
Outdoor fan speed		rpm	910
Outdoor fan motor output		W	≤85
Number of rows		/	2
Number of U tube		/	36
Tube outside dia		mm	7
Tube type		/	Rifled tube
Fin spacing		mm	1.4
Fin type			Corrugated sheet
Tube pitch(a)x row pitch(b)		mm	18.2x21
Refrigerant coupling			Flare
High & low pressure valve	Liquid	Inches	1/4"
	Gas	Inches	3/8"
Net dimensions (W x H x D)		mm	982 x 804 x 421
Net weight		kg	53
Packing dimensions (W x H x D)		mm	1022×480×835
Gross weight		kg	58
Communication wires			4*0.75mm ²
Power supply wires			3*2.5mm ²
Outdoor sound pressure level		dB(A)	61

Outdoor air circulation		m3/h	3500
Ambient temperature range	Outdoor (only with indoor unit)	°C	Cooling:-15-53/Heating:-20-30
	Outdoor (with indoor unit and water tank)	°C	Cooling:5~43/Heating:-15-30
	Indoor	°C	Cooling:17-32/Heating:0-30
	only water tank	°C	Cooling:15-43/Heating:5~43
Standard precharge total pipe length(Without adding refrigerant)		m	20
Maximum total distance between indoor and outdoor unit		m	80
Maximum single distance between indoor and outdoor unit		m	30
Max. length between water tank and outdoor unit		m	30
Max. diff. in level between indoor and outdoor unit		m	15
Max. height difference between water tank and outdoor unit		m	20
Additional refrigerant charge		g/m	15
Simultaneity coefficient			33%(one indoor unit)~150%
CONNECTION OPTIONS WITH INDOOR UNITS AND WATER TANK			
Standard indoor combination under Erp			09+09+09
One unit			/
Two units			09+09,09+12,09+18, 12+12,12+18,18+18, 09+TANK,12+TANK, 18+TANK, 24+TANK
Three units			09+09+09, 09+09+12, 09+09+18, 09+12+12, 09+12+18, 12+12+12, 09+09+TANK, 09+12+TANK, 09+18+TANK, 12+12+TANK, 12+18+TANK
Four units			09+09+09+TANK,09+09+12+TANK, 09+09+18+TANK,09+12+12+TANK, 09+12+18+TANK,12+12+12+TANK
Five units			None