

R404A series (USDP~GR) Standard Specification Chart:

Model			USDP25GR	USDP30GR	USDP40GR	USDP50GR
Power	Main Circuit Control Circuit		3 phase AC 380,400, 415, 440V 50/60MHz (3 phase AC 110V 50/60MHz)			
Painting Color			New Light Blue (7.5GB7/2), DK Black			
Dimensions	H×W×D	mm	1,650×2,000×1,250		1,550×2,000×1,800	
*1 Cooling Capacity		kW	- / 87	- / 103	- / 136	- / 165
*2 Cooling Water Flow Rate		ℓ/min	275 / 300	300 / 360	440 / 480	550 / 600
*3 Heating Capacity		kW	106	132	170	212
*4 Humidifying Capacity		kg/h	30	36	48	60
Head Loss			19.8 / 20.7	11.8 / 15.7	13.7 / 16.7	19.6 / 22.5
Compressor	Model		JT335DDFYEX2	(JT300DDFYEX2) + (JT300DDFYEX1)	(JT300DDFYEX2) + (JT300DDFYEX2)	(JT335DDFYEX2) + (JT335DDFYEX1)
	Type		Hermetic Scroll Type			
	Speed	r.p.m	2,900 / 3,450			
	Motor Power	kW	9.0×2	(7.5×2) + (7.5×1)	(7.5×2) + (7.5×2)	(9.0×2) + (9.0×2)
	Starting Manner		Direct Start			
Water Cooling Condenser	Model		CXS1919B×1	(CXS1919B×1) + (CXS1919B×1)	(CXS1919B×1) + (CXS1919B×1)	
	Type		Water Cooled Shell & Finned Tube			
	Material	Tube	Copper Alloy Seamless Tube (C6871T)			
		Fin	Aluminium Fins (A1050R-24H)			
		Shell	Steel Tube (KSTBG38)			
		Tube Plate	Naval Clad (C4621P + KPV24)			
No.		1	2	2		
Evaporator	Model		CRB-USDP25G	CRB-USDP30G	CRB-USDP50G	
	Type		Crossfincoil Type			
	Material	Tube Fin	Copper Tubes Aluminium Fins			
Fan	Model		D3Y×1		TD3B×1	
	Type		Multi Blade Fan			
	Air Flow Rate	m ³ /min	140/140	165/165	220/220	255/270

	External Static Press	Pa	860/1,225	1,100/1,520	920/1,700	860/1,630
	Motor Power	kW	7.5	11	11	15
	Drive			Belt Drive		
Heater	Type			Crossfincoil Type		
	Material			Copper Pipe, Aluminium Fins		
Humidifier				Steam Spray Type		
Air Filter				Polyvinyle Chloride Fiber (Washable)		
Temperature Control				Thermostat		
Capacity Step		%	100-50-0	100-67-0		100-50-0
Protective Devices			Non-Fuse Breaker, Over-Current Relay (For Comp. & Fan Monitor), Fusible Plug, Reverse Phase Protector, Comp. Monitor Protection Thermostat, High Pressure Switch, Low Pressure Switch, Safety Valve			
Thermal & Sound Isolator				Glass Fiber		
Piping Connection	Chilled Water Inlet/Outlet		2B (With Flanges)		3B (With Flanges)	
	Upper Drain Outlet			1 ¼B(32A)		
	Lower Drain Outlet			1B(25A)		
Refrigerant	Kind			R404A		
	Charged	kg	11.7	11.2+10.3	11.2+11.2	11.7+11.7
Lubricant Oil	Kind			DAPHNE FVC68D		
	Charged	ℓ	2.7×2	(2.7×1) + (2.7×2)	(2.7×2) + (2.7×2)	
Machine Weight		kg	1,100	1,250	1,575	1,600
Operating Weight		kg	1,110	1,265	1,600	1,625
Standard Spare Parts			Fuse (100V×1, 400V×1)	Fuse (100V×1, 400V×1), Cooling water thermometer×2		
Applicable Standard				NK		

Notes:

- *1. Cooling Capacity is based on the following conditions:
Evaporator: Inlet air temp, 31°C D.B, 24°C W.B.
- *2. Condenser: Inlet water temp. 32°C.
- *3. The heater inlet condition: Inlet air temp. 10°C D.B. Inlet steam press. 0.4MPa
- *4. Humidifying capacity's value is the condition of saturated steam at the 0.035MPs.