

Air-cooled Chiller

Scroll type : 5RT ~ 60RT

Screw type : 50RT ~ 240RT

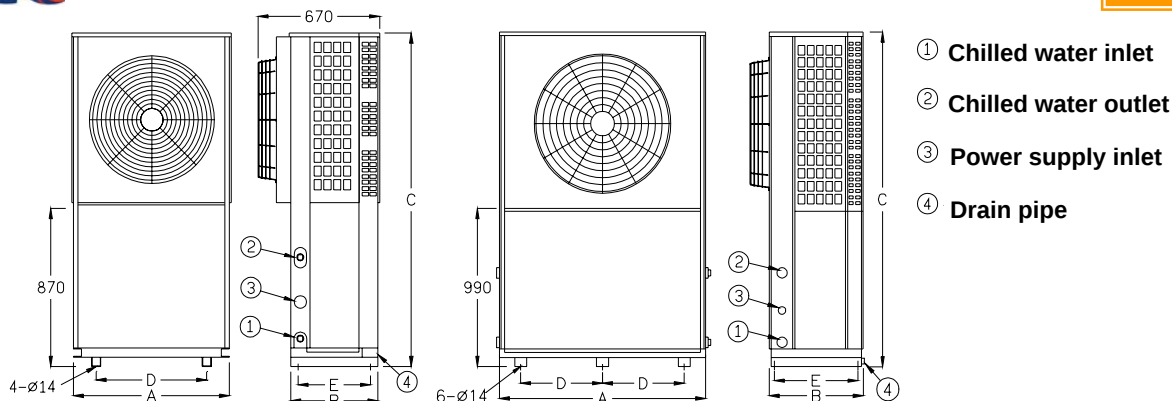
R-22

50 Hz



Technology-Rooted Service-Oriented
MADE IN TAIWAN

The information provided in this catalog may vary as a result of further development of the products,
It is not the obligation of the Company to keep the Customer informed for such changes.



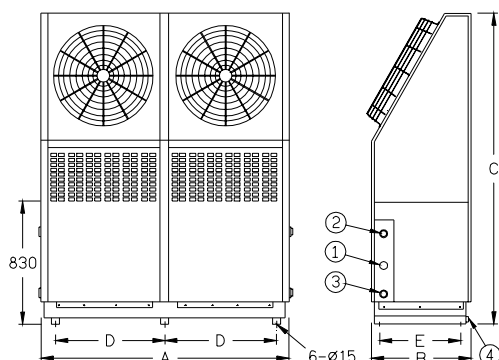
Specifications

Model			PUA-Z 15MLS-D3	PUA-Z 22MLS-D3	PUA-Z 29MLS-D3	PUA-Z 35MLS-D3	PUA-Z 44MLS-D3	PUA-Z 40MLD-D3	
Power supply			3φ- 380V- 50Hz						
Refrigerating capacity		kW	14.6	21.9	29.3	35.1	43.9	40.4	
		Kcal/hr	12,600	18,900	25,200	30,240	37,800	34,800	
Temperature range			Ambit Temp. 10℃~37℃ ； Chiller water Temp. 4℃~16℃						
Power consumption		kW	5.6	7.8	10.3	12.1	15.3	15.1	
Running ampere		A	9.9	13.8	18.2	21.4	27.0	26.7	
Starting ampere		A	65	95	125	167	198	108	
Capacity control		%	100 , 0						100 , 50 , 0
Compressor	Type		Hermetic Scroll						
	Quantity		1						2
	Starting method		Directly Start						Sequential Start
	Revolution	r.p.m	2950						
	Output	kW	3.8	6	7.5	8.95	11.2	5.6 * 2	
	Input	kW	3.96	6.1	8.1	9.1	12.3	6.1 * 2	
	Crankcase heater	W	62						62 * 2
Refrigeration Oil	Type		SUNISO 4GS						
	Quantity	L	1.7	2.5	3.3	4.1	4.1	2.5 * 2	
Refrigerant	Type		R22						
	Quantity	kg	3	3.8	4.6	6.1	8.5	4.5 * 2	
	Control		Thermostatic expansion valve						
Chiller	Type		Plate		Shell and tube				
	Pipe size	B	PT 1-1/2"			PT 2"			
	Water flow rate	m³/h	2.52	3.78	5.04	6.048	7.56	6.69	
	Pump output	HP	1/2	1		2			
	Input	kW	0.56	1.04		1.84			
	Head loss	M	2.5	2.5	2.5	2.5	2.5	2.5	
Fan	Draft Direction		Side blowing type						
	Type		Propeller type						
	O.P. * Quantity	kW	0.59 * 1						
	Input	kW	1.1 * 1						
	Air flow rate	m³/min	250						
Control devices			Mechanical Control						
Protection devices			High/low pressure switch, chilled water low temp. switch, thermal overload, thermostat.						
Outline Dimensions	A	mm	880	880	1,210	1,210	1,500	1,500	
	B	mm	480	480	480	550	700	700	
	C	mm	1,800	1,800	1,920	1,920	2,000	2,000	
	D	mm	610	610	480	480	600	600	
	E	mm	400	400	500	500	670	670	
Net Weight		kg	230	260	340	380	400	400	
Operating weight		kg	245	280	360	400	420	420	

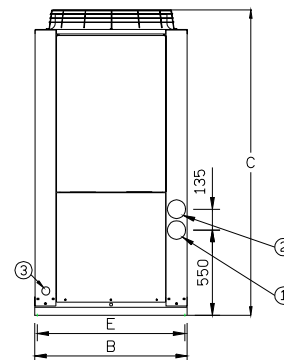
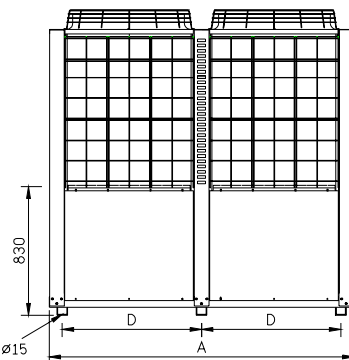
Note : 1. Nominal cooling capacity conditions : chilled water inlet temp 12℃, outlet temp 7℃, Ambit temperature. 35℃DB , 24℃ WB,Fouling factor :0.0001m²℃/W..

2. For the continuous development, the specifications are subjected to modification without notice. The specification is in compliance with the product plate if the content and data altered. If you have any special requirment, please inform us before placing order.

Slope blowing type



Above blowing type



- ① Chilled water inlet
- ② Chilled water outlet
- ③ Power supply inlet
- ④ Drain pipe

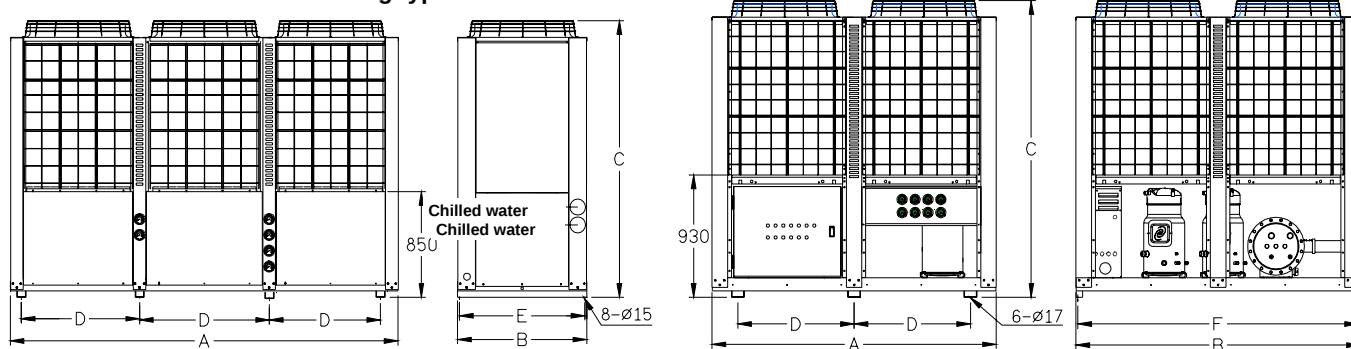
Specifications

Model			PUA-Z 54MLD-D3	PUA-Z 66MLD-D3	PUA-Z 79MLD-D3	PUA-Z 44MLD-D3	PUA-Z 59MLD-D3	PUA-Z 73MLD-D3	PUA-Z 88MLD-D3
Power supply			3φ- 380V- 50Hz						
Refrigerating capacity		kW	54.4	66.2	79.0	43.9	58.6	73.2	87.9
		Kcal/hr	46,800	57,000	68,000	37,800	50,400	63,000	75,600
Temperature range			Ambit Temp. 10℃~37℃ ； Chiller water Temp. 4℃~16℃						
Power consumption		kW	20.2	25.4	30	16.3	20.3	25.4	30
Running ampere		A	35.7	44.9	53	28.8	35.9	44.9	53
Starting ampere		A	143	190	225	109	143	190	225
Capacity control		%	100 , 50 , 0						
Compressor	Type		Hermetic Scroll						
	Quantity		2						
	Starting method		Sequential Start						
	Revolution	r.p.m	2950						
	Output	kW	7.5 * 2	9.3 * 2	11.2 * 2	5.6 * 2	7.5 * 2	9.3 * 2	11.2 * 2
	Input	kW	8.1 * 2	10.2 * 2	12.3 * 2	6.1 * 2	8.1 * 2	10.2 * 2	12.3 * 2
	Crankcase heater	W	62 * 2						
Refrigeration Oil	Type		SUNISO 4GS						
	Quantity	L	3.3 * 2	4.1 * 2		2.5 * 2	3.3 * 2	4.1 * 2	
Refrigerant	Type		R22						
	Quantity	kg	6 * 2	7.5 * 2	9 * 2	4.5 * 2	6 * 2	7.5 * 2	9 * 2
	Control		Thermostatic expansion valve						
Chiller	Type		Shell and tube						
	Pipe size	B	PT 2"	PT 2-1/2"		PT 2"		PT 2-1/2"	
	Water flow rate	m ³ /h	9.36	11.4	13.6	7.56	10.08	12.6	15.12
	Pump output	HP	2	3		2		3	
	Input	kW	1.84	2.72		1.84		2.72	
	Head loss	M	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Fan	Draft Direction		Slope blowing type			Above blowing type			
	Type		Propeller type						
	O.P. * Quantity	kW	0.59 * 2						
	Input	kW	1.1 * 2						
	Air flow rate	m ³ /min	350		450	500			
Control devices			Mechanical Control						
Protection devices			High/low pressure switch, chilled water low temp. switch, thermal overload, thermostat.						
Outline Dimensions	A	mm	2,000	2,000	2,000	2,000			
	B	mm	700	700	760	1,000			
	C	mm	1,870	1,870	2,080	2,000			
	D	mm	912	912	912	915			
	E	mm	650	650	710	970			
Net Weight		kg	550	620	700	460	550	620	700
Operating weight		kg	580	650	730	480	580	650	730

Note : 1. Nominal cooling capacity conditions : chilled water inlet temp 12℃, outlet temp 7℃, Ambit temperature. 35℃DB , 24℃ WB,Fouling factor :0.0001m²℃/W..

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Above blowing type



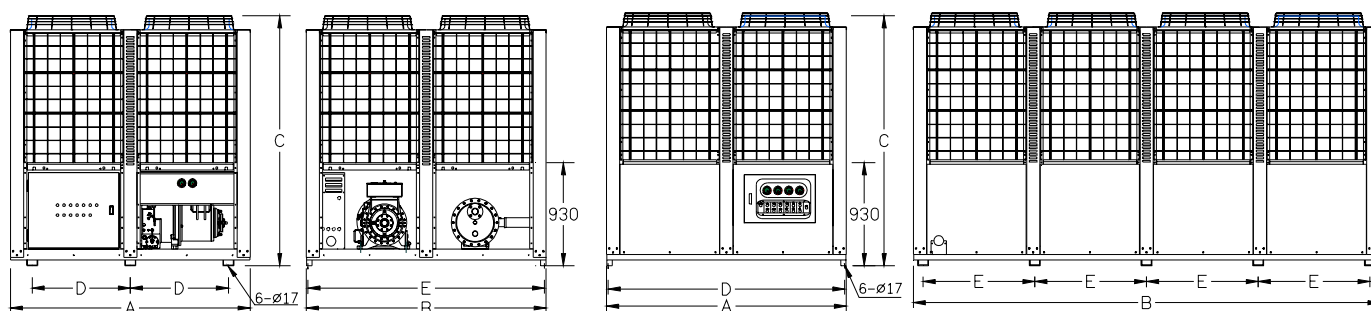
Specifications

Model			PUA-Z110MLT-D3	PUA-Z147MLF-D3	PUA-Z176MLF-D3
Item					
Power supply			3φ- 380V- 50Hz		
Refrigerating capacity		kW	109.8	146.5	175.8
		Kcal/hr	94,500	126,000	151,200
Temperature range			Ambit Temp. 10℃~37℃ ； Chiller water Temp. 4℃~16℃		
Power consumption		kW	34	45.2	53.6
Running ampere		A	60.1	79.9	94.7
Starting ampere		A	200	227	270
Capacity control		%	100 , 66 , 33 , 0	100 , 75 , 50 , 25 , 0	
Compressor	Type		Hermetic Scroll		
	Quantity		3	4	
	Starting method		Sequential Start		
	Revolution	r.p.m	2950		
	Output	kW	9.3 * 3	9.3 * 4	11.2 * 4
	Input	kW	10.2 * 3	10.2 * 4	12.3 * 4
	Crankcase heater	W	62 * 3	62 * 4	
Refrigeration Oil	Type		SUNISO 4GS		
	Quantity	L	4.1 * 3	4.1 * 4	
Refrigerant	Type		R22		
	Quantity	kg	6 * 3	7.5 * 4	9 * 4
	Control		Thermostatic expansion valve		
Chiller	Type		Shell and tube		
	Pipe size	B	PT 3"		
	Water flow rate	m³/h	18.9	25.2	30.24
	Head loss	M	4.5	4.5	5
Fan	Draft Direction		Above blowing type		
	Type		Propeller type		
	O.P. * Quantity	kW	0.59 * 3	0.59 * 4	
	Input	kW	1.1 * 3	1.1 * 4	
	Air flow rate	m³/min	750	1000	
Control devices			Mechanical Control		
Protection devices			High/low pressure switch, chilled water low temp. switch, thermal overload, thermostat.		
Outline Dimensions	A	mm	3000	2200	
	B	mm	1000	2200	
	C	mm	2100	2250	
	D	mm	915 / 950 / 915	900	
	E	mm	970	2170	
Net Weight		kg	1000	1600	1800
Operating weight		kg	1100	1720	1950

Note : 1. Nominal cooling capacity conditions : chilled water inlet temp 12℃, outlet temp 7℃, Ambit temperature. 35℃DB , 24℃WB,Fouling factor :0.0001m²℃/W..

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Above blowing type



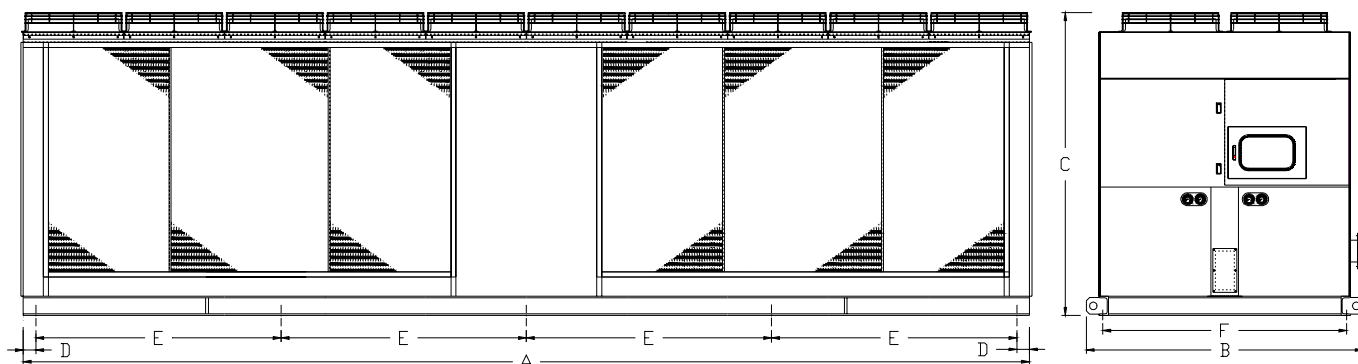
Specifications

Model			PUA-Z151MSS-D3	PUA-Z182MSS-D3	PUA-Z242MSD-D3	PUA-Z303MSD-D3	PUA-Z363MSD-D3
Item							
Power supply			3φ- 380V- 50Hz				
Refrigerating capacity		kW	151.3	181.6	242.2	302.7	363.2
		Kcal/hr	130,200	156,240	208,320	260,400	312,400
Temperature range			Ambit Temp. 10℃~37℃ ； Chiller water Temp. 4℃~16℃				
Power consumption		kW	51.7	61.3	86.2	103.4	122.6
Running ampere		A	91.3	108.3	152.3	182.7	216.6
Starting ampere		A	509	611	504	601	719
Capacity control		%	100 , 75 , 0		100 , 75 , 50 , 25 , 0		
Compressor	Type		Semi-hermetic Screw				
	Quantity		1		2		
	Starting method		Y-△ Star-delta				
	Revolution	r.p.m	2950				
	Output	kW	37	45	30 * 2	37 * 2	45 * 2
	Input	kW	47.3	56.9	39.8 * 2	47.3 * 2	56.9 * 2
	Crankcase heater	W	150		150 * 2		
Refrigeration Oil	Type		SUNISO 4GS				
	Quantity	L	7.5		7.5 * 2		
Refrigerant	Type		R22				
	Quantity	kg	30	36	24 * 2	30 * 2	36 * 2
	Control		Thermostatic expansion valve				
Chiller	Type		Shell and tube				
	Pipe size	B	PT 3"		PT 4"		
	Water flow rate	m³/h	26.04	31.248	41.664	52.08	62.496
	Head loss	M	5.8	5.8	5.2	6	6.3
Fan	Draft Direction		Above blowing type				
	Type		Propeller type				
	O.P. * Quantity	kW	0.59 * 4		0.59 * 6	0.59 * 8	
	Input	kW	1.1 * 4		1.1 * 6	1.1 * 8	
	Air flow rate	m³/min	1000		1500	2000	
Control devices			Mechanical Control				
Protection devices			High/low pressure switch, chilled water low temp. switch, thermal overload, thermostat.				
Outline Dimensions	A	mm	2200		2200	2200	
	B	mm	2200		3240	4280	
	C	mm	2250		2250	2250	
	D	mm	900		2170	2170	
	E	mm	2170		1400	900 / 1025 / 1025 / 900	
Net Weight		kg	1800	2100	2700	3600	4200
Operating weight		kg	1920	2250	2900	3840	4500

Note : 1. Nominal cooling capacity conditions : chilled water inlet temp 12℃, outlet temp 7℃, Ambit temperature. 35℃DB , 24℃ WB,Fouling factor :0.0001m²℃/W..

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Above blowing type



Specifications

Model			PUA-Z484MSD-D3		PUA-Z606MSD-D3		PUA-Z727MSD-D3	
Item								
Power supply			3φ- 380V- 50Hz					
Refrigerating capacity		kW	484.4		605.5		726.6	
		Kcal/hr	416,640		520,800		624,960	
Temperature range			Ambit Temp. 10℃~37℃ ; Chiller water Temp. 4℃~16℃					
Power consumption		kW	162.4		218		262	
Running ampere		A	286.3		384.3		461.8	
Starting ampere		A	906		1,248		1,520	
Capacity control		%	100 , 75 , 50 , 25 , 0					
Compressor	Type		Semi-hermetic Screw					
	Quantity		2					
	Starting method		Y-△ Star-delta					
	Revolution	r.p.m	2950					
	Output	kW	60 * 2		75 * 2		90 * 2	
	Input	kW	70.2 * 2		97.8 * 2		119.8 * 2	
	Crankcase heater	W	300 * 2					
Refrigeration Oil	Type		SUNISO 4GS					
	Quantity	L	13 * 2					
Refrigerant	Type		R22					
	Quantity	kg	48 * 2		60 * 2		72 * 2	
	Control		Thermostatic expansion valve					
Chiller	Type		Shell and tube					
	Pipe size	B	6"					
	Water flow rate	m³/h	83.3		104.2		125	
	Head loss	M	6		6.6		7	
Fan	Draft Direction		Above blowing type					
	Type		Propeller type					
	O.P. * Quantity	kW	0.59 * 20					
	Input	kW	1.1 * 20					
	Air flow rate	m³/min	5300					
Control devices			Mechanical Control					
Protection devices			High/low pressure switch, chilled water low temp. switch, thermal overload, thermostat.					
Outline Dimensions	A	mm	8000					
	B	mm	2200					
	C	mm	2300					
	D	mm	100					
	E	mm	1950					
	F	mm	1940					
Net Weight		kg	6020		6520		6800	
Operating weight		kg	6300		6800		7100	

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Outstanding Technique Global **TECO**



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