

TECO AIRCON

Comfort, Energy Saving, Health, Earth Friendly.

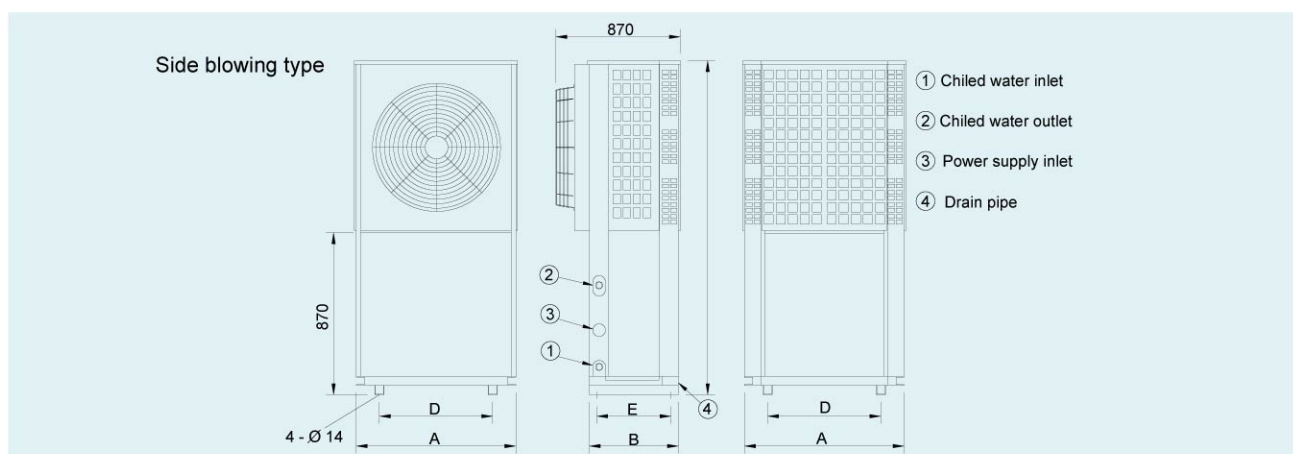


Driving and Connecting Globally

AIR-COOLED CHILLER UNITS



MADE IN TAIWAN



Specifications

Item \ Model			PU0033BKS	PU0043BKS	PU0053BKS	PU0083BKD	PU0103BKD
Power supply			1Ø- 220V-60Hz				
Refrigerating capacity		Kcal/hr	8,400	11,200	14,000	22,400	28,000
Temperature range			Ambit Temp. 10°C~37°C.,Chiller water Temp. 4°C~16°C				
Power consumption		kW	4.2	5.2	6.3	9.8	12.0
Running ampere		A	19.0	23.5	28.5	44.5	54.5
Starting ampere		A	95	132	175	155	205
Capacity control		%	0,100			0,50,100	
Compressor	Type		Hermetic				
	Quantity		1			2	
	Starting method		Direct starting			Sequential starting	
	Revolution	r.p.m	3500				
	Output	kW	2.2	3	3.8	3 x 2	3.8 x 2
	Input	kW	3	4	5.1	4 x 2	5.1 x 2
	Crankcase heater	W	62			62x2	
Refrigeration oil	Type		SUNISO 4GS				
	Quantity	L	2	2	2	2 x 2	2 x 2
Refrigerant	Type		R-22				
	Quantity	kg	2.5	2.7	3.2	2.7 x 2	3.2 x 2
	Control		Thermostatic expansion valve				
Chiller	Type		plate			Shell and tube	
	Pipe size	B	PT 1-1/2"				
	Water flow rate	m³/h	1.68	2.24	2.8	4.48	5.6
	Pump output	HP	1/2			1	
	Input	kW	0.55			1.05	
	Head	M	18	16	15	18	16
Fan	Draft Direction		Side blowing type				
	Type		Propeller type				
	O.P.×Quantity	kW	0.28 x 1				
	Input	kW	0.62				
	Air flow rate	m³/min	180				
Protection devices			High/low pressure switch,chilled water low temp. switch,thermal overload,thermostat.				
Dimensions	A	mm	880	880	880	1210	1210
	B	mm	480	480	480	550	550
	C	mm	1800	1800	1800	1920	1920
	D	mm	610	610	610	480	480
	E	mm	400	400	400	500	500
Net weight		kg	190	203	230	360	370
Operating weight		kg	200	215	245	380	390

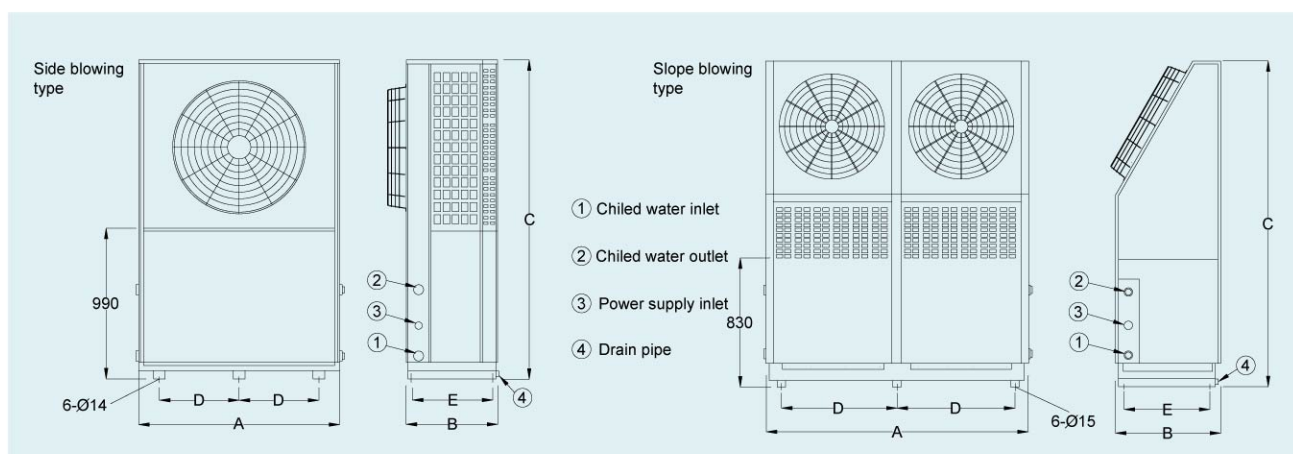
Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C, Ambit temperature. 35°CDB, 24°C WB, Fouling factor : 0.000018m²°C/W.

2. Specifications are subject to change without notice for further improvement.

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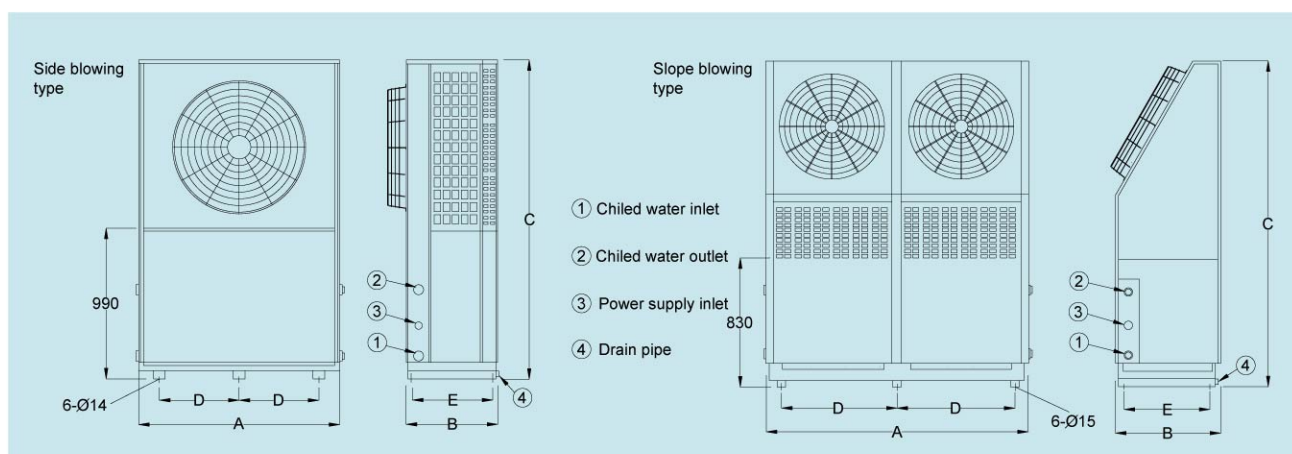
AIR-COOLED CHILLER UNITS



Specifications

Item			Model	PU0033SKS R	PU0043SKS R	PU0053SKS R	PU0083SKS R	PU0103SKS R	PU0133SKS R	PU0153SKS R	
Power supply			3ø - 220V / 380V / 440V - 60Hz								
Refrigerating capacity		kcal/hr	8,400	11,200	14,000	21,000	28,000	33,600	42,000		
Temperature range			Ambit Temp. 10°C~37°C;Chiller water Temp. 4 °C~16°C								
Power consumption		kW	4.3	5.2	6.2	9.3	12.1	14.1	18.0		
220V	Running ampere	A	13.0	15.8	18.8	28.2	36.9	43.0	54.9		
380V	Running ampere	A	7.5	9.1	10.9	16.3	21.4	24.9	31.8		
440V	Running ampere	A	6.5	7.9	9.4	14.1	18.5	21.5	27.5		
220V	Starting ampere	A	58	80	104	173	214	271	334		
380V	Starting ampere	A	33	46	60	100	124	157	193		
440V	Starting ampere	A	29	40	52	86	107	135	167		
Capacity control		%	0, 100								
Compressor	Type		Hermetic								
	Quantity		1								
	Starting method		Direct starting								
	Revolution	r.p.m	3500								
	Out put	kW	2.2	3	3.8	6	7.5	9.7	11.2		
	Input	kW	3	3.9	4.9	7.5	9.9	11.1	15		
	Crankcase heater	W	62								
Refrigeration Oil	Type		SUNISO 4GS								
	Quantity	L	1.24	2.13	1.7	2.5	3.3	4.1	4.1		
Refrigerant	Type		R-22								
	Quantity	kg	2.6	2.8	3	3.8	4.6	6.1	8.5		
	Control		Thermostatic expansion valve								
Chiller	Type		Plate				Shell and tube				
	Pipe size	B	PT 1-1/2"					PT2"			
	Water flow rate	m³/h	1.68	2.24	2.8	4.2	5.6	6.72	8.4		
	Pump output	HP	1/2			1		2			
	Input	kW	0.56			1.04		1.84			
	Head	M	18	16	15	18	16	21	20		
Fan	Draft Direction		Side blowing type								
	Type		Propeller type								
	O.P.×Quantity	kW	0.3 x 1				0.59 x 1				
	Input	kW	0.65 x 1				1.1 x 1				
	Air flow rate	m³/min	200				250				
Protection devices			High/low pressure switch,chilled water low temp. switch,thermal overload,thermostat.								
Dimensions	A	mm	880	880	880	880	1210	1210	1500		
	B	mm	480	480	480	480	550	550	700		
	C	mm	1800	1800	1800	1800	1920	1920	2000		
	D	mm	610	610	610	610	480	480	600		
	E	mm	400	400	400	400	500	500	670		
Net weight		kg	190	203	230	260	340	380	400		
Operating weight		kg	200	215	245	280	360	400	420		

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C,Ambit temperature. 35°CDB , 24°C WB,Fouling factor :0.000018m²°C/W.
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Specifications

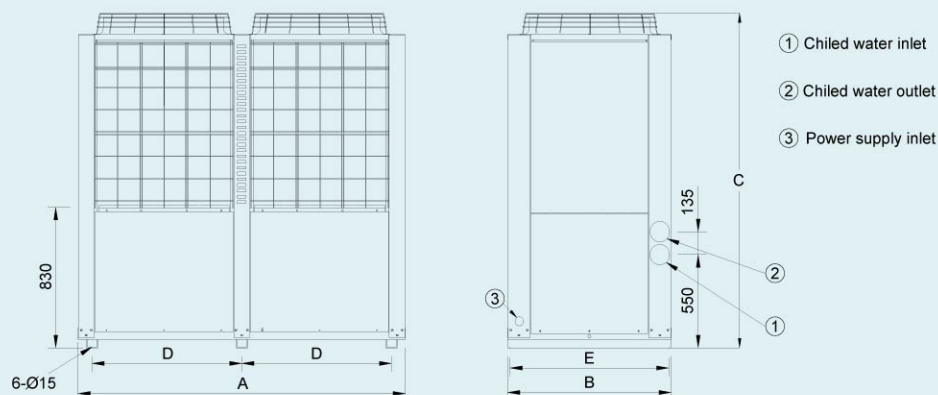
Item			Model	PU0083SKD R	PU0103SKD R	PU0133SKD R	PU0153SKD R	PU0203SKD R	PU0253SKD R	PU0303SKD R
Power supply			3ø - 220V / 380V / 440V - 60Hz							
Refrigerating capacity		kcal/hr	22,400	28,000	33,600	42,000	56,000	70,000	84,000	
Temperature range			Ambit Temp. 10°C~37°C;Chiller water Temp. 4 °C~16°C							
Power consumption		kW	10.06	12.06	15.06	18.06	23.06	27.24	35.04	
220V	Running ampere	A	30.7	36.8	46.0	55.1	70.4	83.1	106.9	
380V	Running ampere	A	17.8	21.3	26.6	31.9	40.7	48.1	61.9	
440V	Running ampere	A	15.4	18.4	23.0	27.6	35.2	41.6	53.5	
220V	Starting ampere	A	142	145	195	233	285	397	480	
380V	Starting ampere	A	67	75	84	140	167	222	254	
440V	Starting ampere	A	66	75	86	110	144	191	226	
Capacity control		%	0, 50, 100							
Compressor	Type		Hermetic							
	Quantity		2							
	Starting method		Sequential starting							
	Revolution	r.p.m	3500							
	Out put	kW	3 x 2	3.8 x 2	4.5 x 2	5.6 x 2	7.5 x 2	9.5 x 2	11.2 x 2	
	Input	kW	3.9 x 2	4.9 x 2	6.0 x 2	7.5 x 2	9.9 x 2	11.1 x 2	15.0 x 2	
	Crankcase heater	W	62 x 2							
Refrigeration Oil	Type		SUNISO 4GS							
	Quantity	L	2 x 2	2 x 2	2 x 2	2.5 x 2	3.3 x 2	4.1 x 2	4.1 x 2	
Refrigerant	Type		R-22							
	Quantity	kg	2.4 x 2	3 x 2	3.6 x 2	4.5 x 2	6 x 2	7.5 x 2	9 x 2	
	Control		Thermostatic expansion valve							
Chiller	Type		Shell and tube							
	Pipe size	B	PT 1-1/2"		PT2"			PT2-1/2"		
	Water flow rate	m³/h	4.48	5.6	6.72	8.4	11.2	14	16.8	
	Water pump	HP	1		2			3		
	Input	kW	1.04		1.84			2.72		
	Head	M	18	16	21	20	18	20	18	
Fan	Draft Direction		Side blowing type				Slope blowing type			
	Type		Propeller type							
	O.P.×Quantity	kW	0.59 x 1				0.3 x 2	0.59 x 2		
	Input	kW	1.1 x 1				0.65 x 2	1.1 x 2		
	Air flow rate	m³/min	250				330	350	450	
Protection devices			High/low pressure switch,chilled water low temp. switch,thermal overload, thermostat.							
Dimensions	A	mm		1210		1500	2000	2000	2000	
	B	mm		550		700	700	700	760	
	C	mm		1920		2000	1870	1870	2080	
	D	mm		480		600	912	912	912	
	E	mm		500		670	650	650	710	
Net weight		kg		370		400	550	620	700	
Operating weight		kg		390		420	580	650	730	

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C, Ambit temperature. 35°CDB, 24°C WB, Fouling factor : 0.000018m²°C/W.
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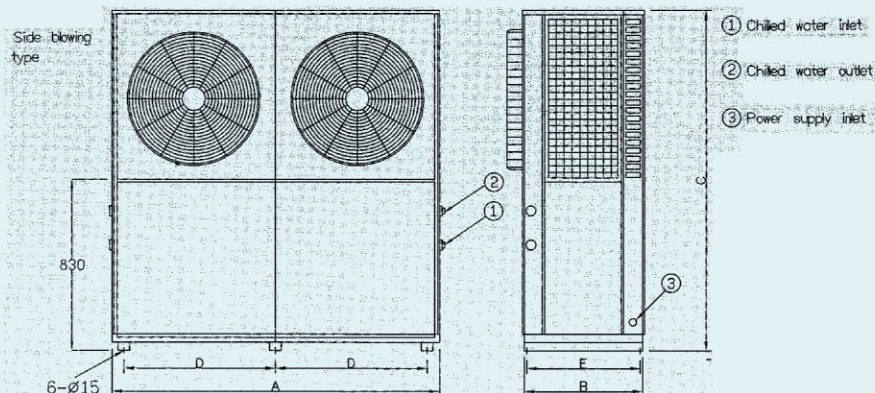
AIR-COOLED CHILLER UNITS

Above blowing type



Specifications

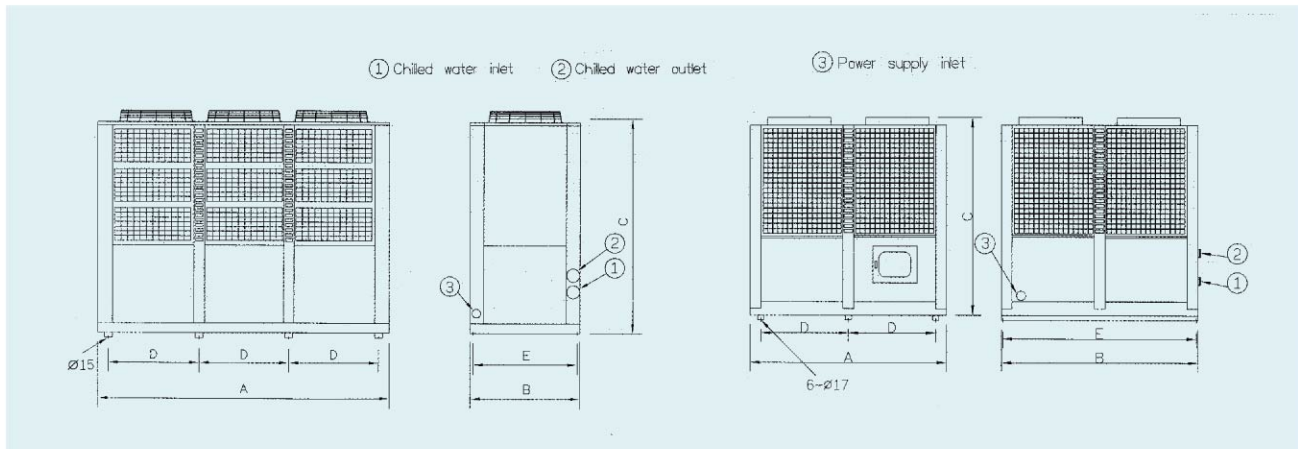
Item			Model	PU0153SKD R	PU0203SKD R	PU0253SKD R	PU0303SKD R
Power supply			3ø - 220V / 380V / 440V - 60Hz				
Refrigerating capacity		kcal/hr	42,000	56,000	70,000	84,000	
Temperature range			Ambit Temp. 10°C~37°C.,Chiller water Temp. 4°C~16°C				
Power consumption		kW	18.264	23.064	27.244	35.044	
220V	Running ampere	A	55.7	70.4	83.1	106.9	
380V	Running ampere	A	32.3	40.7	48.1	61.9	
440V	Running ampere	A	27.9	35.2	41.6	53.5	
220V	Starting ampere	A	233	285	397	480	
380V	Starting ampere	A	140	167	222	254	
440V	Starting ampere	A	110	144	191	226	
Capacity control		%	0, 50, 100				
Compressor	Type		Hermetic				
	Quantity		2				
	Starting method		Sequential starting				
	Revolution	r.p.m	3500				
	Out put	kW	5.6 x 2	7.5 x 2	9.5 x 2	11.2 x 2	
	Input	kW	7.5 x 2	9.9 x 2	11.1 x 2	15 x 2	
	Crankcase heater	W	62x2				
Refrigeration Oil	Type		SUNISO 4GS				
	Quantity	L	2.5 x 2	3.3 x 2	4.1 x 2		
Refrigerant	Type		R-22				
	Quantity	kg	4.5 x 2	6 x 2	7.5 x 2	9 x 2	
	Control		Thermostatic expansion valve				
Chiller	Type		Shell and tube				
	Pipe size	B	PT2"			PT2-1/2"	
	Water flow rate	m³/h	8.4	11.2	14	16.8	
	Water pump	HP	2			3	
	Input	kW	1.84			2.72	
	Head	M	20	18	20	18	
	Fan	Draft Direction		Above blowing type			
Type			Propeller type				
O.P.×Quantity		kW	0.3 x 2			0.59 x 2	
Input		kW	0.65 x 2			1.1 x 2	
Air flow rate		m³/min	400			500	
Protection devices			High/low pressure switch,chilled water low temp. switch, thermal overload,thermostat.				
Dimensions	A	mm	2000				
	B	mm	1000				
	C	mm	2000				
	D	mm	915				
	E	mm	970				
Net weight		kg	460	550	620	700	
Operating weight		kq	480	580	650	730	



Specifications

Item			Model	PU0203SKD R	PU0253SKD R	PU0303SKD R
Power supply				3ø - 220V / 380V / 440V - 60Hz		
Refrigerating capacity			kcal/hr	56,000	70,000	84,000
Temperature range				Ambit Temp. 10°C~37°C;Chiller water Temp. 4 °C~16°C		
Power consumption			kW	23.064	27.244	35.044
220V	Running ampere	A		70.4	83.1	106.9
380V	Running ampere	A		40.7	48.1	61.9
440V	Running ampere	A		35.2	41.6	53.5
220V	Starting ampere	A		285	397	480
380V	Starting ampere	A		167	222	254
440V	Starting ampere	A		144	191	226
Capacity control			%	0, 50, 100		
Compressor	Type		Hermetic			
	Quantity		2			
	Starting method		Sequential starting			
	Revolution	r.p.m	3500			
	Out put	kW	7.5 x 2	9.5 x 2	11.2 x 2	
	Input	kW	9.9 x 2	11.1 x 2	15 x 2	
	Crankcase heater	W	62x2			
Refrigeration Oil	Type		SUNISO 4GS			
	Quantity	L	3.3 x 2	4.1 x 2		
Refrigerant	Type		R-22			
	Quantity	kg	6 x 2	7.5 x 2	9 x 2	
	Control		Thermostatic expansion valve			
Chiller	Type		Shell and tube			
	Pipe size	B	PT2"	PT2-1/2"		
	Water flow rate	m³/h	11.2	14	16.8	
	Water pump	HP	2	3		
	Input	kW	1.84	2.72		
	Head	M	18	20	18	
	Fan	Draft Direction		Side blowing type		
Type			Propeller type			
O.P.×Quantity		kW	0.3 x 2	0.59 x 2		
Input		kW	0.65 x 2	1.1 x 2		
Air flow rate		m³/min	400	500		
Protection devices			High/low pressure switch,chilled water low temp. switch,thermal overload,thermostat.			
Dimensions	A	mm	1975	1975		
	B	mm	680	740		
	C	mm	1840	2040		
	D	mm	915	915		
	E	mm	650	710		
Net weight			kg	550	620	700
Operating weight			kq	580	650	730

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C,Ambit temperature. 35°CDB , 24°C WB,Fouling factor :0.000018m²°C/W.
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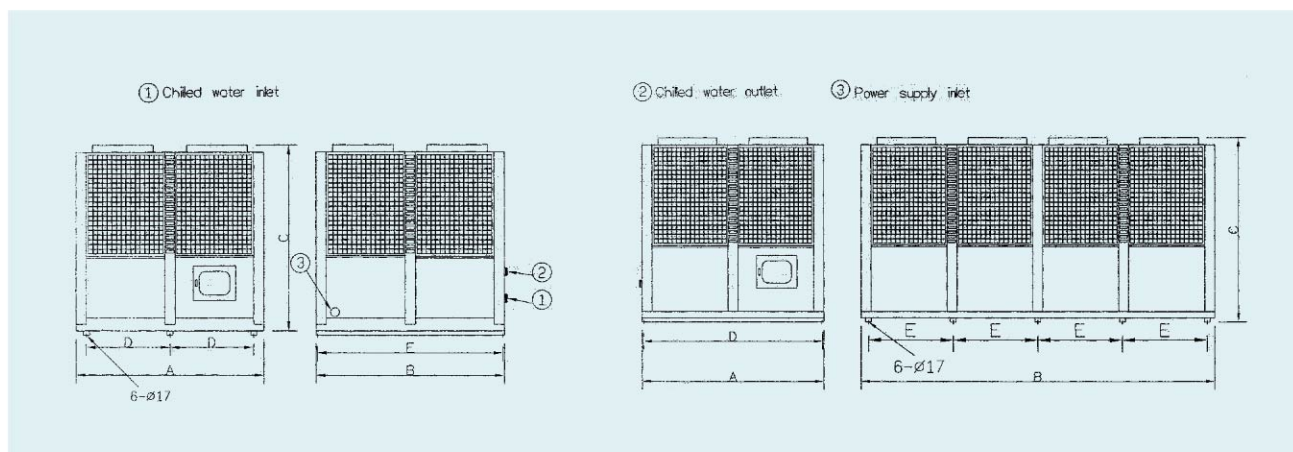
Specifications

Item			Model	PU0403 ^C _{SKT} _R	PU0503 ^C _{SKF} _R	PU0603 ^C _{SKF} _R
Power supply				3ø - 220V / 380V / 440V - 60Hz		
Refrigerating capacity			kcal/hr	105,000	140,000	168,000
Temperature range				Ambit Temp. 10°C~37°C;Chiller water Temp. 4°C~16°C		
Power consumption			kW	43.99	58.65	68.65
220V	Running ampere	A		134.2	179.0	209.5
380V	Running ampere	A		77.7	103.6	121.3
440V	Running ampere	A		67.1	89.5	104.7
220V	Starting ampere	A		440	485	585
380V	Starting ampere	A		247	273	315
440V	Starting ampere	A		212	234	278
Capacity control			%	0, 33, 66, 100	0, 25, 50, 75, 100	
Compressor	Type			Hermetic		
	Quantity			3	4	
	Starting method			Sequential starting		
	Revolution	r.p.m		3500		
	Out put	kW		9.3 x 3	9.7 x 4	11.2 x 4
	Input	kW		13.5 x 3	13.5 x 4	16 x 4
	Crankcase heater	W		62 x 3	62 x 4	
Refrigeration Oil	Type			SUNISO 4GS		
	Quantity	L		4.1 x 3	4.1 x 4	4.1×4
Refrigerant	Type			R-22		
	Quantity	kg		6 x 3	7.5 x 4	9 x 4
	Control			Thermostatic expansion valve		
Chiller	Type			Shell and tube		
	Pipe size	B		PT 3"		
	Water flow rate	m³/h		21	28	33.6
	Head loss	M		4.5	4.5	5
Fan	Draft Direction			Above blowing type		
	Type			Propeller type		
	O.P.xQuantity	kW		0.59 x 3	0.59 x 4	
	Input	kW		1.1 x 3	1.1 x 4	
	Air flow rate	m³/min		750	1000	950
Protection devices				High/low pressure switch,chilled water low temp. switch,thermal overload,thermostat.		
Dimensions	A	mm		3000	2200	2200
	B	mm		1000	2200	2200
	C	mm		2100	2250	2250
	D	mm		915/950/915	900	900
	E	mm		960	2170	2170
Net weight			kg	1000	1600	1800
Operating weight			kg	1100	1720	1950

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C, Ambit temperature. 35°CDB , 24°C WB, Fouling factor : 0.000018m²°C/W.

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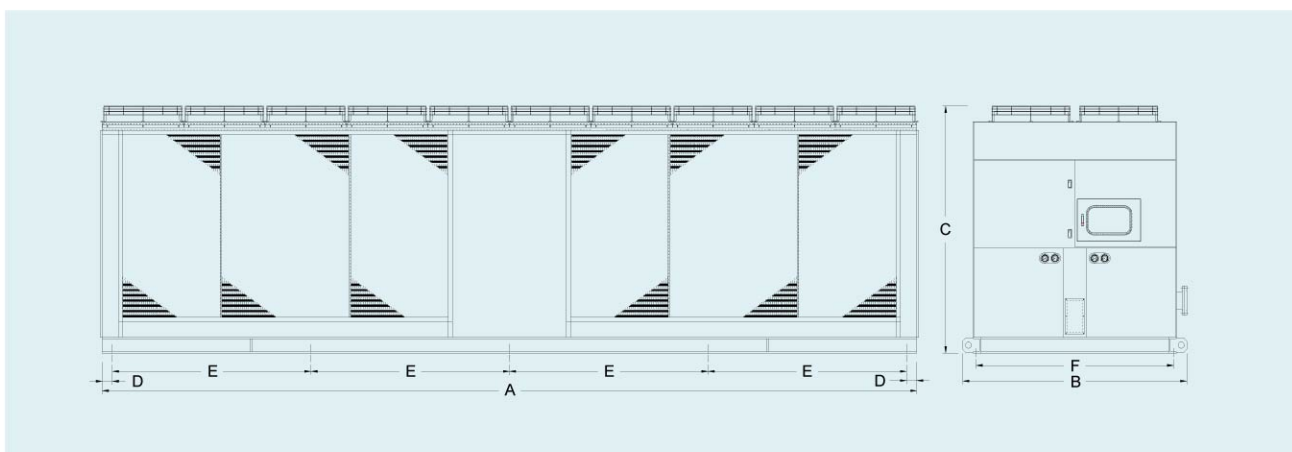
Specifications

Item			Model	C PU0503SSS R	C PU0603SSS R	C PU0803SSD R	C PU1003SSD R	C PU1203SSD R
Power supply			3ø - 220V / 380V / 440V - 60Hz					
Refrigerating capacity		kcal/hr	140,000	168,000	224,000	280,000	336,000	
Temperature range			Ambit Temp. 10°C~37°C;Chiller water Temp. 4 °C~16°C					
Power consumption		kW	61.4	72.8	102.5	122.7	145.5	
220V	Running ampere	A	187.2	222.0	312.8	374.4	444.0	
380V	Running ampere	A	108.4	128.5	181.1	216.8	257.1	
440V	Running ampere	A	93.6	111.0	156.4	187.2	222.0	
220V	Starting ampere	A	447	543	492	649	780	
380V	Starting ampere	A	263	300	288	380	437	
440V	Starting ampere	A	230	272	246	331	390	
Capacity control		%	0, 75, 100		0, 25, 50, 75, 100			
Compressor	Type		Semi-hermetic					
	Quantity		1		2			
	Starting method		Y-Δ					
	Revolution	r.p.m	3550					
	Out put	kW	37	45	30 x 2	37 x 2	45 x 2	
	Input	kW	56.8	68.2	47.8 x 2	56.8 x 2	68.2 x 2	
	Crankcase heater	W	150		150 x 2			
Refrigeration Oil	Type		SUNISO 4GS					
	Quantity	L	7.5		7.5×2			
Refrigerant	Type		R-22					
	Quantity	kg	30	36	24 x 2	30 x 2	36×2	
	Control		Thermostatic expansion valve					
Chiller	Type		Shell and tube					
	Pipe size	B	PT 3"		PT 4"			
	Water flow rate	m ³ /h	28	33.6	44.8	56	67.2	
	Head loss	M	5.8	5.8	5.2	6	6.3	
Fan	Draft Direction		Above blowing type					
	Type		Propeller type					
	O.P.×Quantity	W	0.59 x 4		0.59 x 6	0.59 x 8		
	Input		1.1 x 4		1.1 x 8	1.1 x 8		
	Air flow rate	m ³ /min	1000	950	1500	2100	2000	
Protection devices			High/low pressure switch,chilled water low temp. switch, thermal overload,thermostat.					
Dimensions	A	mm	2200	2200	2200	2200	2200	
	B	mm	2200	2200	3240	4280	4280	
	C	mm	2250	2250	2250	2250	2250	
	D	mm	900	900	2170	2170	2170	
	E	mm	2170	2170	1400	900/1025/1025/900	900/1025/1025/900	
Net weight		kg	1800	2100	3000	3600	4200	
Operating weight		kg	1920	2250	3150	3840	4500	

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C, Ambit temperature. 35°CDB, 24°C WB, Fouling factor : 0.00018m²°C/W.

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Specifications

Item		Model	PU1603SSD R	PU2003SSD R	PU2403SSD R
Power supply			3ø - 220V / 380V / 440V - 60Hz		
Refrigerating capacity		kcal/hr	448,000	560,000	672,000
Temperature range			Ambit Temp. 10°C~37°C;Chiller water Temp. 4 °C~16°C		
Power consumption		kW	191	235.4	288.2
380V	Running ampere	A	336.7	414.9	508.0
440V	Running ampere	A	291.4	359.2	439.7
380V	Starting ampere	A	555	712	901
440V	Starting ampere	A	479	605	779
Capacity control		%	0, 25, 50, 75, 100		
Compressor	Type		Semi-hermetic Screw		
	Quantity		2		
	Starting method		Y-△ Star-delta		
	Revolution	r.p.m	3550		
	Out put	kW	60 x 2	75 x 2	90 x 2
	Power		84.2 x 2	117.4 x 2	143.8 x 2
	Crankcase heater	w	300 x 2		
Refrigeration Oil	Type		SUNISO 4GS		
	Quantity	L	13		
Refrigerant	Type		R-22		
	Quantity	kg	48 x 2	60 x 2	72 x 2
	Control		Thermostatic expansion valve		
	Type		Shell and tube		
	Pipe size	B	6"		
	Water flow rate	m³/h	89.6	112.0	134.4
	Head loss	M	6	6.6	7
Fan	Draft Direction		Above blowing type		
	Type		Propeller type		
	O.P. xQuantity	kW	0.59 x 20		
	Input	kW	1.1 x 20		
	Air flow rate	m³/min	5300	5200	5100
Protection devices			High/low pressure switch,chilled water low temp. switch,thermal overload,thermostat.		
Dimensions	A	mm	8040		
	B	mm	2200		
	C	mm	2350		
	D	mm	100		
	E	mm	1950		
	F	mm	1940		
Net weight		kg	6020	6520	6800
Operating weight		kg	6300	6720	6950

Note: 1. Nominal cooling capacity conditions : chilled water in 12°C, outlet temp 7°C,Ambit temperature. 35°CDB , 24°C WB,Fouling factor :0.000018m²°C/W.

2. Specifications are subject to change without notice for further improvement.

3. If you have any special requirement , please inform us before placing order .

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