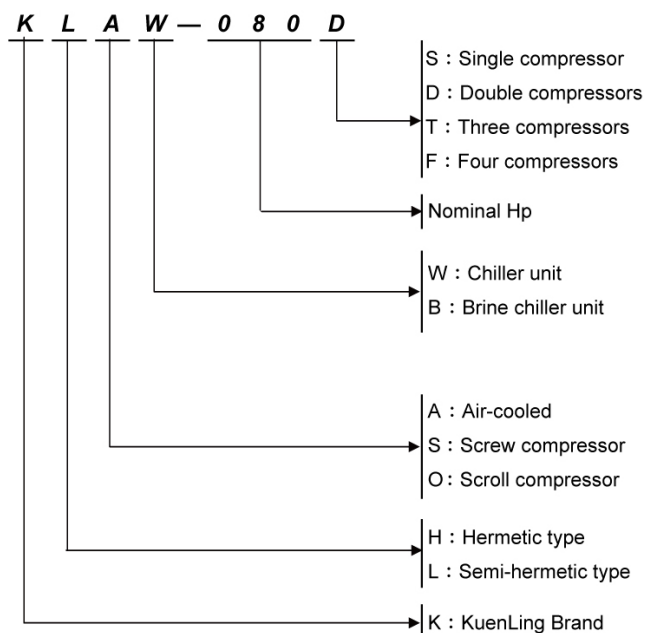
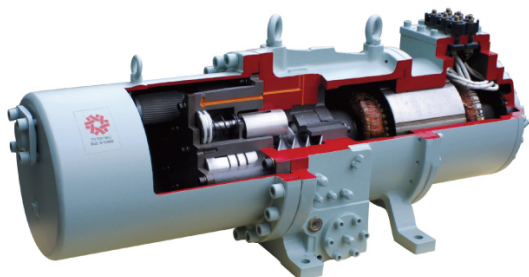


Nomenclature



Hermetic scroll compressor



Semi-hermetic screw compressor

Introduction of Chiller Units



Air cooled Chiller Unit(Side-blast type)

R-22	KHAW-005S~015S
	KHAW-015D



Air-cooled Chiller Unit(Raked-blast type)

R-22	KHAW-020D~030D
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Air-cooled Chiller Unit(Up-blast type)

R-22	KHAW-015D~030D	KLAW-050S~060S
	KHAW-040T	KLAW-080D~240D
	KHAW-050~060F	

Water-cooled Chiller Unit(Scroll type)

R-22	KHOW-05S~15S
	KHOW-20D~30D
	KHOW-40T~45T
	KHOW-50F~60F

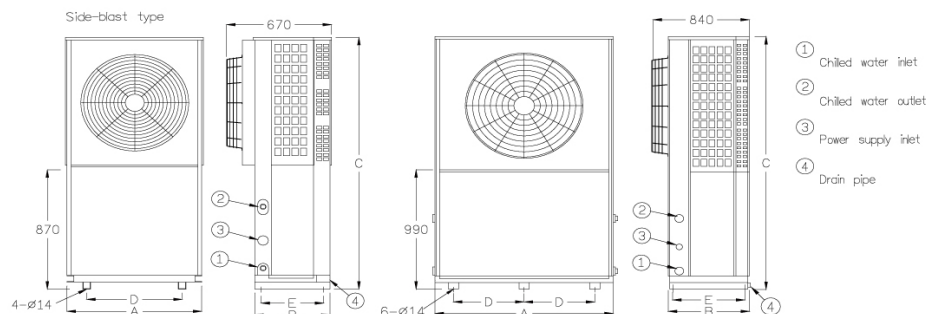


Water-cooled Chiller Unit(Screw type)

R-134a	KLSW-040S~125S
	KLSW-080D~250D
R-22	KLSW-040S~200S
	KLSW-080D~400D



Air-Cooled Chiller Units



Specifications

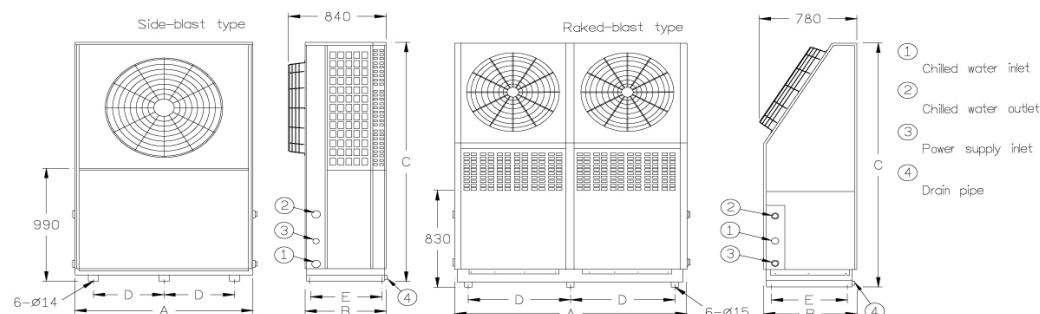
Item		model	KHAW-005S	KHAW-008S	KHAW-010S	KHAW-012S	KHAW-015S
Power supply			3Φ-380V/415V-50Hz				
Refrigerating capacity		kcal/hr	12,600	18,900	25,200	30,240	37,800
Temperature range			Ambit Temp. 10°C~37°C : Chiller water Temp. 4°C~16°C				
Power consumption		kW	5.6	7.8	10.3	12.1	15.3
380V Running ampere		A	9.9	13.8	18.2	21.4	27.0
415V Running ampere		A	9.1	12.6	16.7	19.6	24.8
380V Starting ampere		A	65	95	125	167	198
415V Starting ampere		A	60	87	114	153	181
Capacity control		%	0.100				
Compressor	Type		Scroll				
	Quantity		1				
	Starting method		Direct starting				
	Revolution	r.p.m	2950				
	Out put	kW	3.8	6	7.5	8.95	11.2
	Input	kW	3.96	6.1	8.1	9.1	12.3
Refrigeration oil	Crankcase heater	W	62				
	Type		SUNISO 3GS				
Refrigerant	Quantity	L	1.7	2.5	3.2	4.1	4.1
	Type		R-22				
Refrigerant	Quantity	kg	3	3.8	4.6	6.1	8.5
	Control		Thermostatic expansion valve				
Chiller	Type		Plate		Shell and tube		
	Pipe size		PT 1-1/2		PT2		
	Water flow rate	m³/h	2.52	3.78	5.04	6.05	7.56
	Pump output	HP	1/2	1		2	
	Input	kW	0.56	1.04		1.84	
	Head loss	m	15	18	16	21	20
Fan	Draft Direction		Side-blast type				
	Type		Propeller type				
	O.P.×Quantity	kW	0.59×1				
	Input	kW	1.1x1				
Air flow rate		m³/min	250				
Protection devices			High / low pressure switch, chilled water low temp switch, thermal overload, thermostat.				
Dimensions	A	mm	880	880	1210	1210	1500
	B	mm	480	480	550	550	700
	C	mm	1800	1800	1920	1920	2000
	D	mm	610	610	480	480	600
	E	mm	400	400	500	500	670
Net weight		kg	230	260	340	380	400
Operating weight		kg	245	280	360	400	420

Note: 1. Nominal cooling capacity conditions : chilled water inlet temp 12°C, outlet temp 7°C, Ambit temperature: 35°CDB, 24°CWB, Fouling factor : 0.000018m²C/W.

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

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Air-Cooled Chiller Units



Specifications

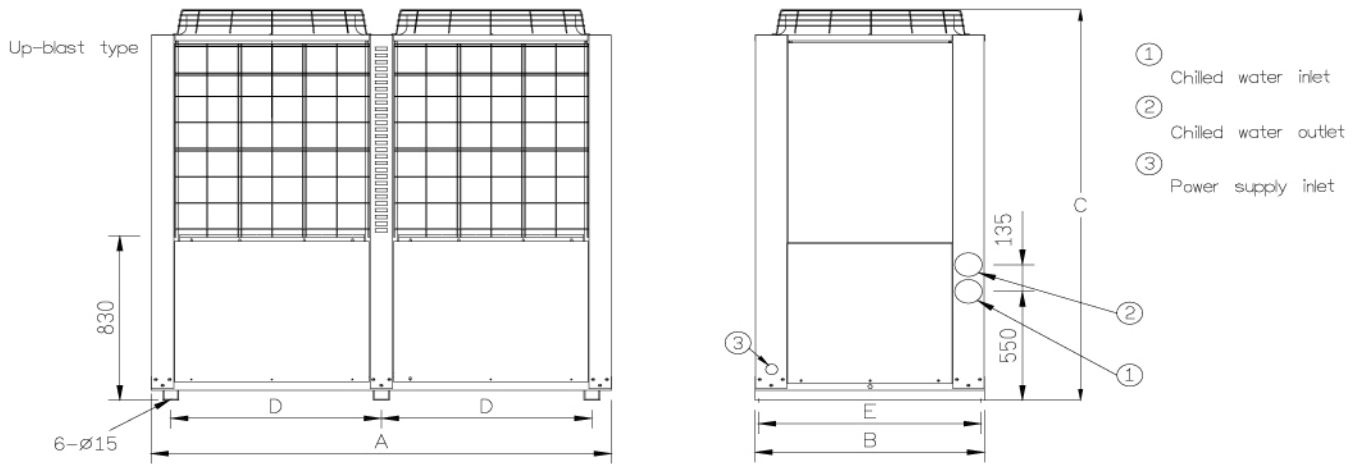
Item			model	KHAW-015D	KHAW-020D	KHAW-025D	KHAW-030D
Power supply				3Φ-380V/415V-50Hz			
Refrigerating capacity			kcal/hr	34,800	46,800	57,000	68,000
Temperature range				Ambit Temp. 10℃~37℃ : Chiller water Temp. 4℃~16℃			
Power consumption			kW	15.1	20.2	25.4	30.0
380V Running ampere			A	26.7	35.7	44.9	53.0
415V Running ampere			A	24.4	32.7	41.1	48.5
380V Starting ampere			A	108	143	190	225
415V Starting ampere			A	99	131	174	206
Capacity control			%	0.50,100			
Compressor	Type		Scroll				
	Quantity		2				
	Starting method		Sequential starting				
	Revolution	r.p.m	2950				
	Out put	kW	5.6×2	7.5×2	9.3×2	11.2×2	
	Input	kW	6.1x2	8.1x2	10.2x2	12.3x2	
Refrigeration oil	Crankcase heater	W	62x2				
	Type		SUNISO 3GS				
Refrigerant	Quantity	L	2.5x2	3.3x2	4.1x2		
	Type		R-22				
Chiller	Quantity	kg	4.5x2	6x2	7.5x2	9x2	
	Control		Thermostatic expansion valve				
	Type		Shell and tube				
	Pipe size		PT2		PT2-1/2		
	Water flow rate	m³/h	6.96	9.36	11.4	13.6	
	Pump output	HP	2		3		
Fan	Input	kW	1.84	2.72			
	Head loss	m	20	18	20	18	
	Draft Direction		Side-blast type	Raked-blast type			
	Type		Propeller type				
Fan	O.P.×Quantity	kW	0.59×1	0.59×2			
	Input	kW	1.1x1	1.1x2			
	Air flow rate	m³/min	250	350		450	
Protection devices				High / low pressure switch,chilled water low temp switch,thermal overload,thermostat.			
Dimensions	A	mm	1500	2000	2000	2000	
	B	mm	700	700	700	760	
	C	mm	2000	1870	1870	2080	
	D	mm	600	912	912	912	
	E	mm	670	650	650	710	
Net weight			kg	400	550	620	700
Operating weight			kg	420	580	650	730

Note: 1. Nominal cooling capacity conditions : chilled water inlet temp 12°C, outlet temp 7°C, Ambit temperature: 35°CDB, 24°CWB, Fouling factor : 0.000018m²C/W.

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Air-Cooled Chiller Units



Specifications

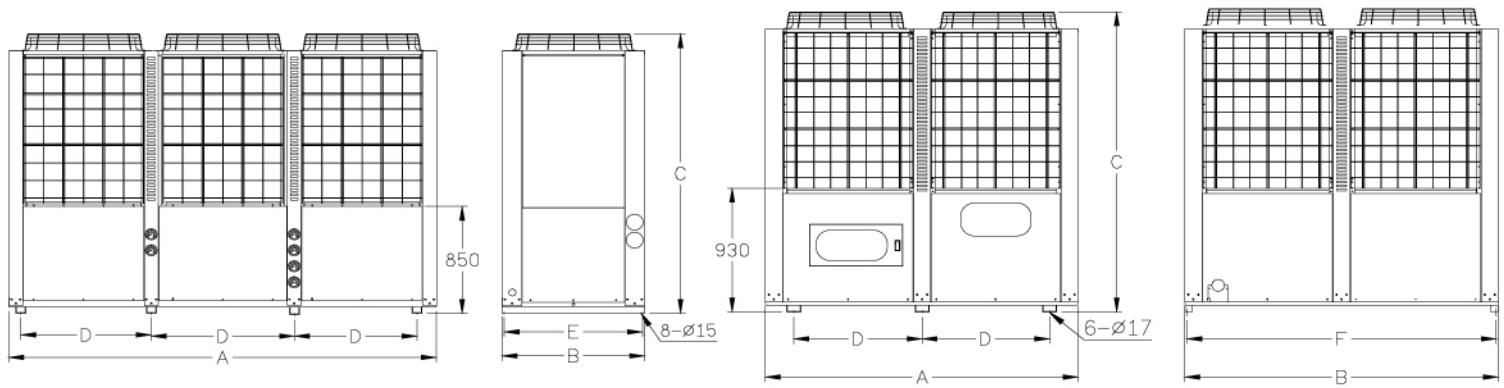
model			KHAW-015DU	KHAW-020DU	KHAW-025DU	KHAW-030DU
Item						
Power supply			3Φ-380V/415V-50Hz			
Refrigerating capacity		kcal/hr	37,800	50,400	63,000	75,600
Temperature range			Ambit Temp. 10℃~37℃ : Chiller water Temp. 4℃~16℃			
Power consumption		kW	16.3	20.3	25.4	30.0
380V	Running ampere	A	28.8	35.9	44.9	53.0
415V	Running ampere	A	26.4	32.9	41.1	48.5
380V	Starting ampere	A	109	143	190	225
415V	Starting ampere	A	100	131	174	206
Capacity control		%	0,50,100			
Compressor	Type		Scroll			
	Quantity		2			
	Starting method		Sequential starting			
	Revolution	r.p.m	2950			
	Out put	kW	5.6×2	7.5×2	9.3×2	11.2×2
	Input	kW	6.1x2	8.1x2	10.2x2	12.3x2
	Crankcase heater	W	62x2			
Refrigeration oil	Type		SUNISO 3GS			
	Quantity	L	2.5x2	3.3x2	4.1x2	
Refrigerant	Type		R-22			
	Quantity	kg	4.5x2	6x2	7.5x2	9x2
	Control		Thermostatic expansion valve			
Chiller	Type		Shell and tube			
	Pipe size		PT2		PT2-1/2	
	Water flow rate	m³/h	7.56	10.08	12.6	15.12
	Pump output	HP	2		3	
	Input	kW	1.84		2.72	
	Head loss	m	20	18	20	18
Fan	Draft Direction		Up-blast type			
	Type		Propeller type			
	O.P.×Quantity	kW	0.59×2			
	Input	kW	1.1x2			
	Air flow rate	m³/min	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		kg	480	580	650	730

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

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Air-Cooled Chiller Units



Specifications

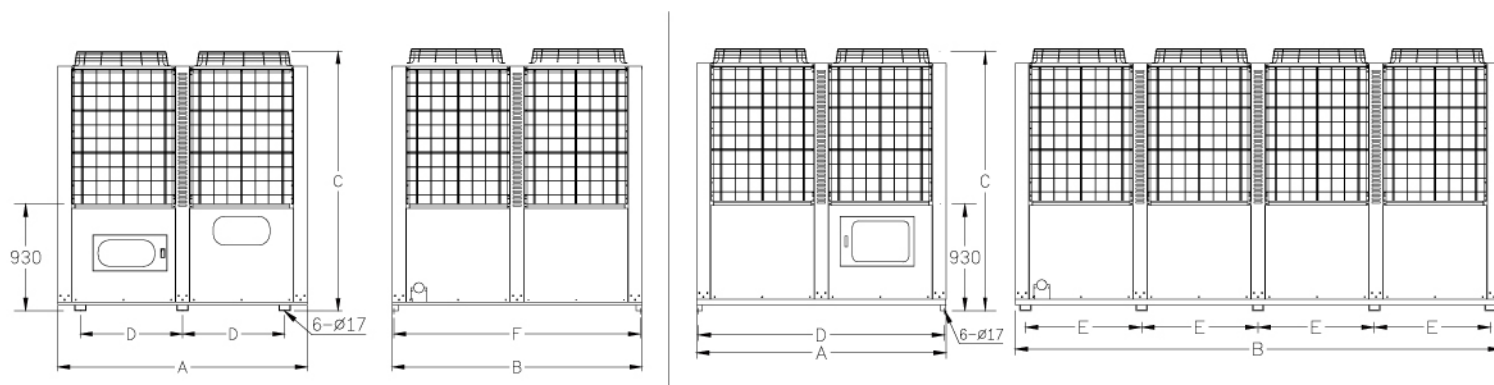
model			KHAW-040TU	KHAW-050FU	KHAW-060FU
Item					
Power supply			3Φ-380V/415V-50Hz		
Refrigerating capacity		kcal/hr	94,500	126,000	151,200
Temperature range			Ambit Temp. 10℃~37℃ : Chiller water Temp. 4℃~16℃		
Power consumption		kW	34.0	45.2	53.6
380V	Running ampere	A	60.1	79.9	94.7
415V	Running ampere	A	55.0	73.1	86.7
380V	Starting ampere	A	200	227	270
415V	Starting ampere	A	183	208	247
Capacity control		%	0,33,66,100	0,25,50,75,100	
Compressor	Type		Scroll		
	Quantity		3	4	
	Starting method		Sequential starting		
	Revolution	r.p.m	2950		
	Out put	kW	9.3×3	9.3×4	11.2×4
	Input	kW	10.2x3	10.2x4	12.3x4
	Crankcase heater	W	62x3	62x4	
Refrigeration oil	Type		SUNISO 3GS		
	Quantity	L	4.1x3	4.1x4	
Refrigerant	Type		R-22		
	Quantity	kg	6x3	7.5x4	9x4
	Control		Thermostatic expansion valve		
Chiller	Type		Shell and tube		
	Pipe size		PT3		
	Water flow rate	m³/h	18.9	25.2	30.24
	Head loss	m	4.5	4.5	5
Fan	Draft Direction		Up-blast type		
	Type		Propeller type		
	O.P.×Quantity	kW	0.59x3	0.59x4	
	Input	kW	1.1x3	1.1x4	
	Air flow rate	m³/min	750	1000	
Protection devices			High / low pressure switch,chilled water low temp switch,thermal overload,thermostat.		
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°C, outlet temp 7°C, Ambit temperature. 35°CDB, 24°CWB, Fouling factor : 0.000018m²°C/W..

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Air-Cooled Chiller Units



Specifications

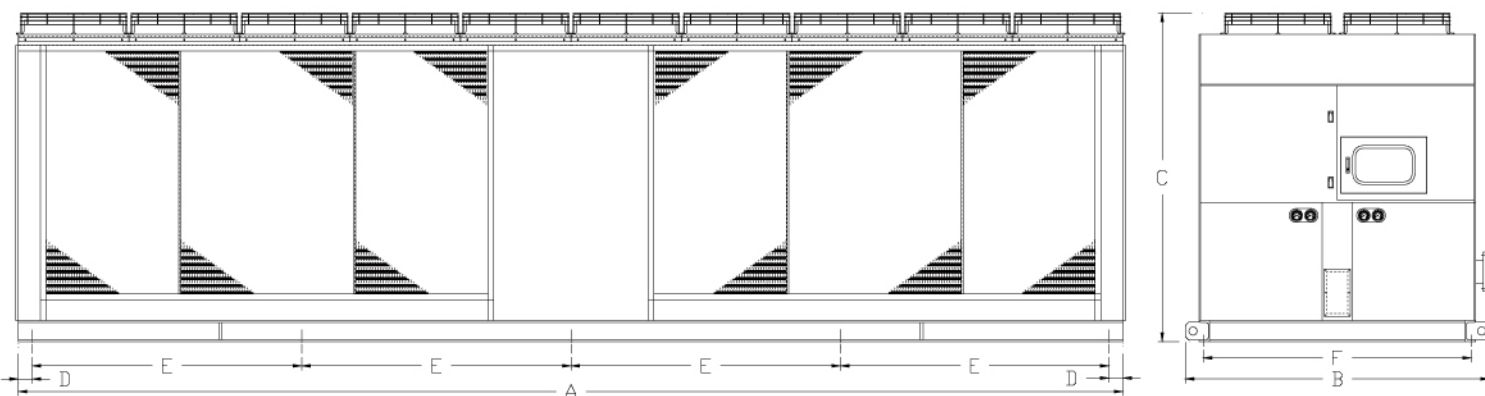
model			KLAW-050SU	KLAW-060SU	KLAW-080DU	KLAW-100DU	KLAW-120DU
Item							
Power supply			3Φ-380V/415V-50Hz				
Refrigerating capacity		kcal/hr	130,200	156,240	208,320	260,400	312,480
Temperature range			Ambit Temp. 10℃~37℃ : Chiller water Temp. 4℃~16℃				
Power consumption		kW	51.7	61.3	86.2	103.4	122.6
380V Running ampere		A	91.3	108.3	152.3	182.7	216.6
415V Running ampere		A	83.6	99.2	139.4	167.3	198.3
380V Starting ampere		A	509	611	504	601	719
415V Starting ampere		A	466	599	461	550	659
Capacity control		%	0,50,75,100		0,25,50,75,100		
Compressor	Type		Screw				
	Quantity		1		2		
	Starting method		Y-△				
	Revolution	r.p.m	2950				
	Out put	kW	37	45	30×2	37×2	45×2
	Input	kW	47.3	56.9	39.8x2	47.3x2	56.9x2
	Crankcase heater	W	150		150x2		
Refrigeration oil	Type		SUNISO 4GS				
	Quantity	L	11		9x2	11x2	
Refrigerant	Type		R-22				
	Quantity	kg	30	36	24x2	30x2	36x2
	Control		Thermostatic expansion valve				
Chiller	Type		Shell and tube				
	Pipe size		PT3		PT4		
	Water flow rate	m³/h	26.0	31.2	41.7	52.1	62.5
	Head loss	m	5.8	5.8	5.2	6	6.3
Fan	Draft Direction		Up-blast type				
	Type		Propeller type				
	O.P.×Quantity	kW	0.59x4		0.59x6	0.59x8	
	Input	kW	1.1x4		1.1x6	1.1x8	
	Air flow rate	m³/min	1000		1500	2000	
Protection devices			High / low pressure switch,chilled water low temp switch,thermal overload,thermostat.				
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	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°C, outlet temp 7°C, Ambit temperature. 35°CDB, 24°CWB, Fouling factor : 0.000018m²°C/W..

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Air-Cooled Chiller Units



Specifications

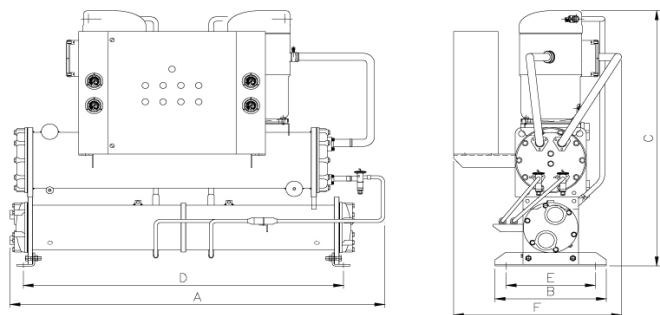
Item \ model			KLAW-160DU	KLAW-200DU	KLAW-240DU
Power supply			3Φ-380V/415V-50Hz		
Refrigerating capacity		kcal/hr	416,640	520,800	624,960
Temperature range			Ambit Temp. 10°C~37°C ; Chiller water Temp. 4°C~16°C		
Power consumption		kW	162.4	218	262
380V	Running ampere	A	286.3	384.3	461.8
415V	Running ampere	A	262.1	351.9	422.9
380V	Starting ampere	A	906	1248	1520
415V	Starting ampere	A	830	1143	1392
Capacity control		%	0,25,50,75,100		
Compressor	Type		Screw		
	Quantity		2		
	Starting method		Y-△		
	Revolution	r.p.m	2950		
	Out put	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		R-22		
	Quantity	kg	48×2	60×2	72×2
	Control		Thermostatic expansion valve		
Chiller	Type		Shell and tube		
	Pipe size		6B		
	Water flow rate	m³/h	83.3	104.2	125.0
	Head loss	m	6	6.6	7
Fan	Draft Direction		Up-blast type		
	Type		Propeller type		
	O.P.×Quantity	kW	0.59 x 20		
	Input	kW	1.1 x20		
	Air flow rate	m³/min	5300		
Protection devices			High / low pressure switch,chilled water low temp switch,thermal overload,thermostat.		
Dimensions	A	mm	8000		
	B	mm	2200		
	C	mm	2300		
	D	mm	100		
	E	mm	1950		
	F	mm	1940		
Net weight		kg	6020	6980	7200
Operating weight		kg	6300	7230	7500

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

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Water-Cooled Chiller Units



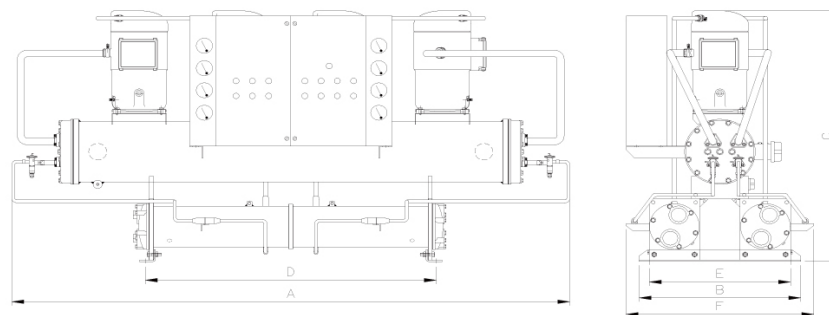
Specifications

model			KHOW-05S	KHOW-08S	KHOW-10S	KHOW-12S	KHOW-15S	KHOW-20D	KHOW-25D	KHOW-30D
Power supply			3Φ-380V/415V-50Hz							
Refrigerating capacity		kcal/hr	15,000	22,500	30,000	37,500	45,000	60,000	75,000	90,000
Power consumption		kW	3.9	6.3	8.2	9.8	11.5	16.4	20.6	24
380V	Running ampere	A	7.4	12.0	15.6	18.6	21.8	31.1	39.1	45.6
415V	Running ampere	A	6.8	11.0	14.3	17.0	20.0	28.5	35.8	41.7
380V	Starting ampere	A	44.4	71.8	93.4	111.7	131.0	109.0	136.9	159.5
415V	Starting ampere	A	40.7	65.7	85.6	102.3	120.0	99.8	125.4	146.1
Capacity control		%	0,100					0,50,100		
Compressor	Type		Scroll							
	Quantity		1					2		
	Starting method		Direct					Sequential starting		
	Revolution	r.p.m	2950							
	Out put	kW	3.79	6.71	7.5	9.7	11.8	7.5x2	9.7×2	11.8×2
	Crankcase heater	W	62					62x2		
Refrigeration oil	Type		SUNISO 3GS							
	Quantity	L	1.7	2.5	3.3	4.1	4.1	3.3x2	4.1x2	4.1x2
Refrigerant	Type		R-22							
	Quantity	kg	2.5	4	5	6.3	7.5	10	12.5	15
	Control		Thermostatic expansion valve							
Chiller	Type		Shell and tube							
	Quantity		1							
	Water flow rate	m³/h	3	4.5	6	7.5	9	12	15	18
	Head loss	m	1.3	2.1	3	3	3	3.6	4	4.3
	Pipe size		PT1-1/4	PT1-1/2		PT2			PT2-1/2	
Condenser	Type		Shell and tube							
	Quantity		1							
	Water flow rate	m³/h	3.8	5.7	7.5	9.3	11.3	15	18.8	22.5
	Head loss	m	4	4	4.7	4.7	5	5.5	6	6
	Pipe size		PT1-1/2			PT2		PT2-1/2		
Protection devices			High / low pressure switch,chilled water low temp switch,fusible plug,thermal overload compressor internal thermostat,thermostat,phase reversal relay							
Dimensions	A	mm	1250	1300	1300	1300	1350	1600	1650	1750
	B	mm	500	500	500	500	500	500	500	500
	C	mm	1000	1000	1100	1200	1200	1250	1300	1300
	D	mm	790	940	1040	1040	1240	1240	1240	1440
	E	mm	400	400	400	400	400	400	400	400
	F	mm	-	-	-	-	-	750	750	800
Net weight		kg	160	195	245	310	350	540	545	550
Operating weight		kg	175	220	270	360	400	600	610	615

Note: 1. Nominal cooling capacity conditions : chilled water inlet 12°C, outlet 7°C; Fouling factor : 0.000018 m²°C/W.
cooling water inlet 30°C, outlet 35°C; Fouling factor : 0.000044 m²°C/W.

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Water-Cooled Chiller Units



Specifications

model			KHOW-40T	KHOW-45T	KHOW-50F	KHOW-60F
Power supply			3Φ-380V/415V-50Hz			
Refrigerating capacity		kcal/hr	120,000	135,000	150,000	180,000
Power consumption		kW	32	35.5	39	47
380V	Running ampere	A	60.8	67.4	74.1	89.3
415V	Running ampere	A	55.6	61.7	67.8	81.7
380V	Starting ampere	A	162.1	179.8	166.7	200.8
415V	Starting ampere	A	148.4	164.6	152.6	183.9
Capacity control		%	0 ,33,66,100		0,25,50,75,100	
Compressor	Type		Scroll			
	Quantity		3		4	
	Starting method		Sequential starting			
	Revolution	r.p.m	2950			
	Out put	kW	9.7×3	11.8×3	9.7×4	11.8×4
	Crankcase heater	W	62×3		62×4	
Refrigeration oil	Type		SUNISO 3GS			
	Quantity	L	4.1x3	4.1x3	4.1x4	4.1x4
Refrigerant	Type		R-22			
	Quantity	kg	20	22.5	25	30
Chiller	Control		Thermostatic expansion valve			
	Type		Shell and tube			
	Quantity		1			
	Water flow rate	m³/h	24	27	30	36
	Head loss	m	4.5	4.6	4.5	5
	Pipe size		PT3			
Condenser	Type		Shell and tube			
	Quantity		1		2	
	Water flow rate	m³/h	30	33	36.7	44.1
	Head loss	m	5.8	6	6	6
Protection devices	Pipe size		PT3		PT2-1/2x2	
	High / low pressure switch,chilled water low temp switch,fusible plug,thermal overload compressor internal thermostat,thermostat,phase reversal relay .					
Dimensions	A	mm	2600	2850	2550	2800
	B	mm	500	500	800	800
	C	mm	1350	1350	1400	1400
	D	mm	1940	2240	1240	1440
	E	mm	400	400	700	700
	F	mm	750	800	950	950
Net weight		kg	750	790	1020	1070
Operating weight		kg	870	910	1150	1210

Note: 1. Nominal cooling capacity conditions : chilled water inlet 12°C, outlet 7°C; Fouling factor : 0.000018 m²°C/W.
cooling water inlet 30°C, outlet 35°C; Fouling factor : 0.000044 m²°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.

Water-Cooled Chiller Units

R-134a

Specifications

Item \ model		KLSW-040S	KLSW-050S	KLSW-070S	
Power supply		3Φ - 380V/415V-50Hz			
Cooling capacity	kcal/hr	120,960	151,200	211,680	
	USRT	40	50	70	
Power consumption	kW	32.0	40.0	54.8	
380V Running ampere	A	56.2	70.3	96.3	
415V Running ampere	A	51.5	64.3	88.1	
380V Starting ampere	A	337	422	578	
415V Starting ampere	A	309	386	529	
Capacity control		%			0,50,75,100
Compressor	Type	Screw			
	Quantity	1			
	Starting method	Y-△			
	Revolution	r.p.m 2950			
	Crankcase heater	kW 150	300		
Refrigeration oil	Type	SOLEST 120			
	Quantity	L 11	13	13	
Refrigerant	Type	R-134a			
	Quantity	kg 24	30	42	
	Control	Thermostatic expansion valve			
Chiller	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m³/h 24.2	30.2	42.3	
	Head loss	m 4.5	4.8	4.8	
	Pipe size	PT3	PT3	4B	
Condenser	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m³/h 29.7	37.1	51.8	
	Head loss	m 4.0	5.8	6.0	
	Pipe size	PT3	PT3	PT4	
Protection devices		High/low pressure switch, chilled water low temp switch, fusible plug, thermal overload, compressor internal thermostat, thermostat, phase reversal relay .			

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/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.

Water-Cooled Chiller Units

R-134a

Specifications

Item		model	KLSW-085S	KLSW-110S	KLSW-125S
Power supply			3Φ - 380V/415V-50Hz		
Cooling capacity		kcal/hr	257,040	322,640	378,000
		USRT	85	110	125
Power consumption		kW	66.3	85.3	96.8
380V Running ampere		A	116.5	149.8	170.0
415V Running ampere		A	106.6	137.2	155.7
380V Starting ampere		A	699	899	1020
415V Starting ampere		A	640	823	934
Capacity control		%	0,50,75,100		
Compressor	Type		Screw		
	Quantity		1		
	Starting method		Y-△		
	Revolution	r.p.m	2950		
	Crankcase heater	kW	300		
Refrigeration oil	Type		SOLEST 120		
	Quantity	L	13	19	23
Refrigerant	Type		R-134a		
	Quantity	kg	51	66	75
	Control		Thermostatic expansion valve		
Chiller	Type		Shell and tube		
	Quantity		1		
	Water flow rate	m³/h	51.4	66.5	75.6
	Head loss	m	4.2	6.3	6.3
	Pipe size		4B	4B	4B
Condenser	Type		Shell and tube		
	Quantity		1		
	Water flow rate	m³/h	62.8	81.2	92.2
	Head loss	m	4.0	6.0	6.0
	Pipe size		PT4	PT4	PT4
Protection devices			High/low pressure switch,chilled water low temp switch,fusible plug,thermal overload, compressor internal thermostat,thermostat,phase reversal relay .		

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/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.

Water-Cooled Chiller Units

R-134a

Specifications

Item \ model		KLSW-080D	KLSW-100D	KLSW-140D	
Power supply		3Φ - 380V/415V-50Hz			
Cooling capacity	kcal/hr	241,920	302,400	423,360	
	USRT	80	100	140	
Power consumption	kW	64.0	80.0	109.6	
380V Running ampere	A	112	141	193	
415V Running ampere	A	103	129	176	
380V Starting ampere	A	393	492	674	
415V Starting ampere	A	360	450	617	
Capacity control		%			0,25,50,75,100
Compressor	Type	Screw			
	Quantity	2			
	Starting method	Y-△			
	Revolution	r.p.m 2950			
	Crankcase heater	kW	150x2	300x2	
Refrigeration oil	Type	SOLEST 120			
	Quantity	L	11x2	13x2	13x2
Refrigerant	Type	R-134a			
	Quantity	kg	24x2	30x2	42x2
	Control	Thermostatic expansion valve			
Chiller	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m³/h	48.4	60.5	84.6
	Head loss	m	5.8	6.3	6.6
	Pipe size		4B	4B	5B
Condenser	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m³/h	59.4	74.2	103.6
	Head loss	m	6.0	7.0	7.0
	Pipe size		PT4	PT4	5B
Protection devices		High/low pressure switch, chilled water low temp switch, fusible plug, thermal overload, compressor internal thermostat, thermostat, phase reversal relay .			

Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²/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.

Water-Cooled Chiller Units

R-134a

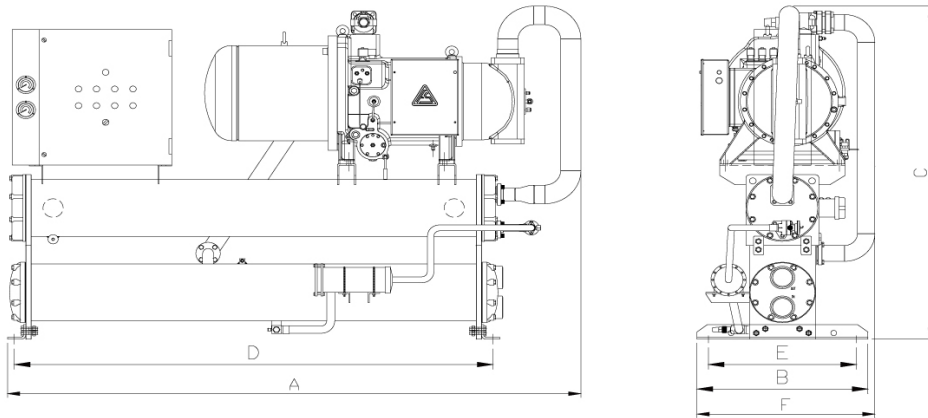
Specifications

Item \ model		KLSW-170D	KLSW-220D	KLSW-250D
Power supply		3Φ - 380V/415V-50Hz		
Cooling capacity	kcal/hr	514,080	665,280	756,000
	USRT	170	220	250
Power consumption	kW	132.6	170.6	193.6
380V Running ampere	A	233	300	340
415V Running ampere	A	213	274	311
380V Starting ampere	A	815	1049	1190
415V Starting ampere	A	746	960	1090
Capacity control	%	0,25,50,75,100		
Compressor	Type	Screw		
	Quantity	2		
	Starting method	Y-△		
	Revolution	r.p.m 2950		
	Crankcase heater	kW 300x2		
Refrigeration oil	Type	SOLEST 120		
	Quantity	L 13x2	19x2	23x2
Refrigerant	Type	R-134a		
	Quantity	kg 51x2	66x2	75x2
	Control	Thermostatic expansion valve		
Chiller	Type	Shell and tube		
	Quantity	1		
	Water flow rate	m³/h 102.8	133.0	151.2
	Head loss	m 6.6	6.6	7.0
	Pipe size	5B	6B	6B
Condenser	Type	Shell and tube		
	Quantity	1		
	Water flow rate	m³/h 125.6	162.4	184.4
	Head loss	m 9.0	9.0	9.0
	Pipe size	5B	6B	6B
Protection devices		High/low pressure switch,chilled water low temp switch,fusible plug,thermal overload, compressor internal thermostat,thermostat,phase reversal relay .		

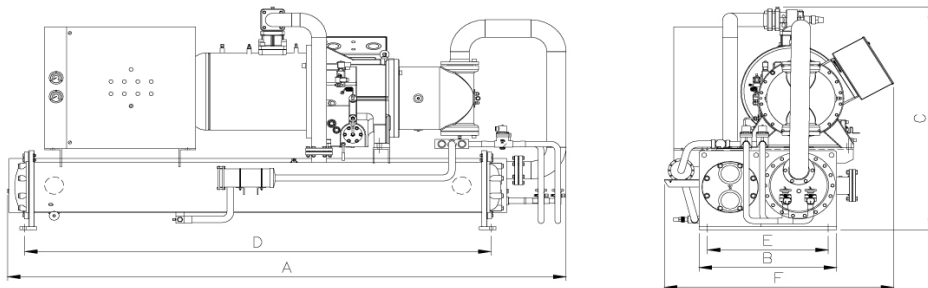
Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²/W.

2. Specifications are subject to change without notice for further improvement.
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R-134a

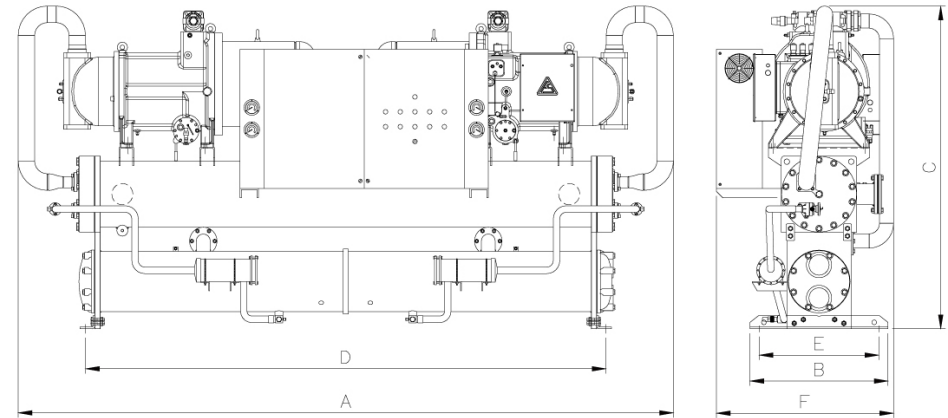


Model			KLSW-040S	KLSW-050S
Dimensions	A	mm	2550	2550
	B	mm	750	750
	C	mm	1400	1650
	D	mm	2100	2100
	E	mm	650	650
	F	mm	-	800
Net weight			1160	1350
Operating weight			1260	1450

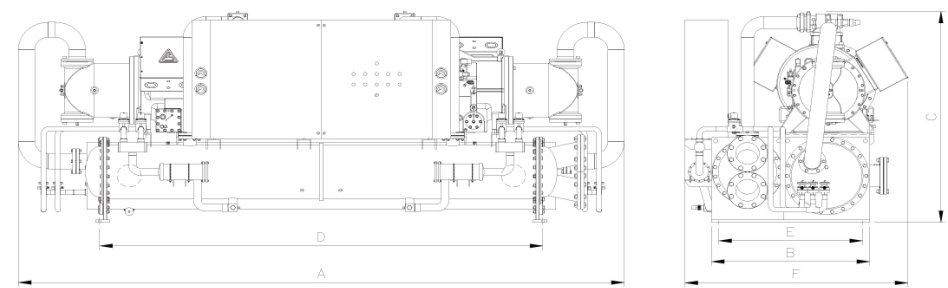


Model			KLSW-070S	KLSW-085S	KLSW-110S	KLSW-125S
Dimensions	A	mm	2950	2950	3350	3350
	B	mm	700	800	820	820
	C	mm	1400	1450	1500	1500
	D	mm	2450	2450	2780	2780
	E	mm	600	700	720	720
	F	mm	1200	1250	1400	1400
Net weight			1700	2000	2400	2650
Operating weight			1850	2150	2600	2850

R-134a



Model			KLSW-080D	KLSW-100D
Dimensions	A	mm	3200	3600
	B	mm	750	750
	C	mm	1500	1750
	D	mm	2700	2830
	E	mm	650	650
	F	mm	1050	1000
Net weight			2400	3050
Operating weight			2600	3100



Model			KLSW-140D	KLSW-170D	KLSW-220D	KLSW-250D
Dimensions	A	mm	3900	4000	4200	4250
	B	mm	950	950	1100	1100
	C	mm	1500	1500	1650	1650
	D	mm	2780	3080	3080	3080
	E	mm	850	850	1000	1000
	F	mm	1400	1400	1600	1600
Net weight			3400	3700	4200	4800
Operating weight			3900	4000	4500	5100

Water-Cooled Chiller Units

Specifications

R-22

Item \ model		KLSW-040S	KLSW-050S	KLSW-060S	KLSW-080S
Power supply		3Φ - 380V/415V-50Hz			
Cooling capacity	kcal/hr	124,000	151,500	181,500	242,000
	USRT	41	50	60	80
Power consumption	kW	33.2	41.0	47.8	63.1
380V Running ampere	A	58.3	72.0	84.0	110.8
415V Running ampere	A	53.4	65.9	76.9	101.5
380V Starting ampere	A	350	432	504	665
415V Starting ampere	A	320	396	461	609
Capacity control	%	0,50,75,100			
Compressor	Type	Screw			
	Quantity	1			
	Starting method	Y-Δ			
	Revolution	r.p.m 2950			
	Crankcase heater	kW 150			300
Refrigeration oil	Type	SUNISO 4GS			
	Quantity	L 9	11	11	13
Refrigerant	Type	R-22			
	Quantity	kg 24	30	36	48
	Control	Thermostatic expansion valve			
Chiller	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m ³ /h 24.8	30.3	36.3	48.4
	Head loss	m 4.8	4.8	4.4	3.6
	Pipe size	PT3	PT3	PT3	4B
Condenser	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m ³ /h 30.5	37.4	44.5	59.3
	Head loss	m 3.3	4.0	4.0	4.0
	Pipe size	PT3	PT3	PT4	PT4
Protection devices		High/low pressure switch, chilled water low temp switch, fusible plug, thermal overload, compressor internal thermostat, thermostat, phase reversal relay .			

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/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.

Water-Cooled Chiller Units

Specifications

R-22

Item \ model		KLSW-100S	KLSW-120S	KLSW-160S	KLSW-200S
Power supply		3Φ - 380V/415V-50Hz			
Cooling capacity	kcal/hr	311,500	369,000	483,840	604,800
	USRT	103	122	160	200
Power consumption	kW	80.7	95.5	125.5	156.8
380V Running ampere	A	141.8	167.7	220.4	275.4
415V Running ampere	A	129.8	153.6	201.9	252.2
380V Starting ampere	A	851	1006	1323	1653
415V Starting ampere	A	779	922	1211	1513
Capacity control	%	0,50,75,100			
Compressor	Type	Screw			
	Quantity	1			
	Starting method	Y-Δ			
	Revolution	r.p.m 2950			
	Crankcase heater	kW 300			
Refrigeration oil	Type	SUNISO 4GS			
	Quantity	L 13	13	19	23
Refrigerant	Type	R-22			
	Quantity	kg 60	72	96	120
	Control	Thermostatic expansion valve			
Chiller	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m ³ /h 62.3	73.8	96.8	121.0
	Head loss	m 5.8	6.3	6.6	6.6
	Pipe size	4B	4B	5B	5B
Condenser	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m ³ /h 76.2	90.2	118.4	147.9
	Head loss	m 4.0	6.0	7.5	9.0
	Pipe size	PT4	PT4	5B	5B
Protection devices		High/low pressure switch, chilled water low temp switch, fusible plug, thermal overload, compressor internal thermostat, thermostat, phase reversal relay .			

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/W.
2. Specifications are subject to change without notice for further improvement.
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Water-Cooled Chiller Units

R-22

Specifications

Item		model	KLSW-080D	KLSW-100D	KLSW-120D	KLSW-160D
Power supply			3Φ - 380V/415V-50Hz			
Cooling capacity		kcal/hr	248,000	303,000	363,000	484,000
		USRT	82	100	120	160
Power consumption		kW	66.4	82.2	95.6	126.2
380V Running ampere		A	117	144	168	222
415V Running ampere		A	107	132	154	203
380V Starting ampere		A	408	504	588	776
415V Starting ampere		A	374	462	538	710
Capacity control		%	0.25,50,75,100			
Compressor	Type		Screw			
	Quantity		2			
	Starting method		Y-△			
	Revolution	r.p.m	2950			
	Crankcase heater	kW	150x2			300x2
Refrigeration oil	Type		SUNISO 4GS			
	Quantity	L	9x2	11x2	11x2	13x2
Refrigerant	Type		R-22			
	Quantity	kg	24x2	30x2	36x2	48x2
	Control		Thermostatic expansion valve			
Chiller	Type		Shell and tube			
	Quantity		1			
	Water flow rate	m³/h	49.6	60.6	72.6	96.8
	Head loss	m	5.8	5.8	5.8	6.6
	Pipe size		4B	4B	4B	5B
Condenser	Type		Shell and tube			
	Quantity		1			
	Water flow rate	m³/h	61.0	74.7	89.0	118.5
	Head loss	m	6.0	6.0	6.0	7.0
	Pipe size		PT4	PT4	PT4	5B
Protection devices			High/low pressure switch,chilled water low temp switch,fusible plug,thermal overload, compressor internal thermostat,thermostat,phase reversal relay .			

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/W.
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Water-Cooled Chiller Units

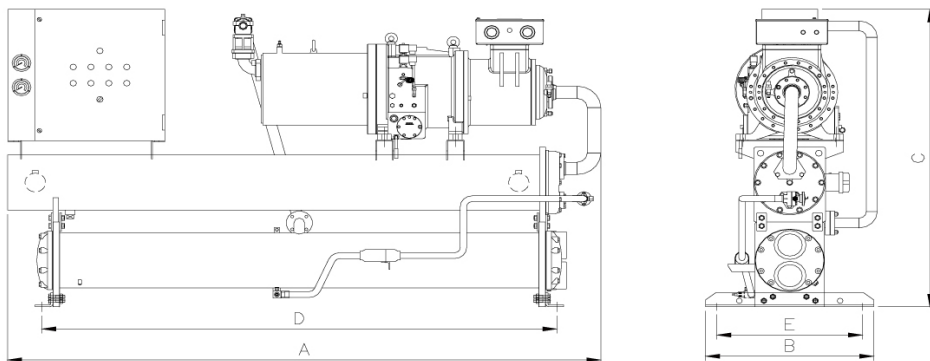
R-22

Specifications

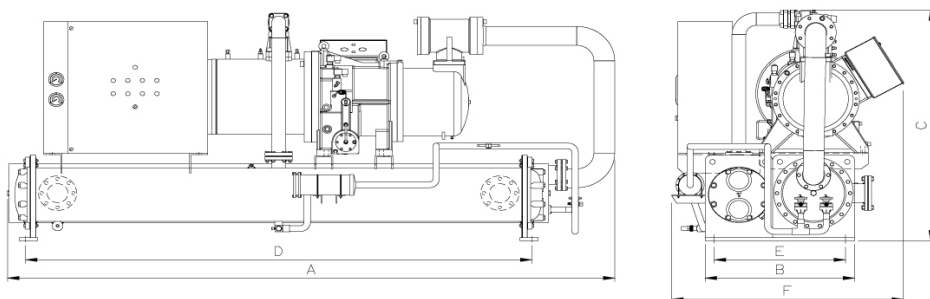
Item \ model		KLSW-200D	KLSW-240D	KLSW-320D	KLSW-400D
Power supply		3Φ - 380V/415V-50Hz			
Cooling capacity	kcal/hr	623,000	738,000	967,680	1,209,600
	USRT	206	244	320	400
Power consumption	kW	161.4	191.0	251.0	313.6
380V Running ampere	A	284	335	441	551
415V Running ampere	A	260	307	404	504
380V Starting ampere	A	992	1174	1543	1928
415V Starting ampere	A	909	1075	1413	1765
Capacity control		%			
Compressor	Type	Screw			
	Quantity	2			
	Starting method	Y-△			
	Revolution	r.p.m 2950			
	Crankcase heater	kW 300x2			
Refrigeration oil	Type	SUNISO 4GS			
	Quantity	L 13x2	13x2	19x2	23x2
Refrigerant	Type	R-22			
	Quantity	kg 60x2	72x2	96x2	120x2
	Control	Thermostatic expansion valve			
Chiller	Type	Shell and tube			
	Quantity	1			
	Water flow rate	m³/h 124.6	147.6	193.5	241.9
	Head loss	m 6.6	6.6	8.0	8.0
	Pipe size	5B	6B	6B	8B
Condenser	Type	Shell and tube			
	Quantity	1		2	
	Water flow rate	m³/h 152.4	180.5	236.7	295.9
	Head loss	m 9.0	9.0	7.5	7.5
	Pipe size	5B	6B	5Bx2	5Bx2
Protection devices		High/low pressure switch, chilled water low temp switch, fusible plug, thermal overload, compressor internal thermostat, thermostat, phase reversal relay .			

- Note: 1. Nominal cooling capacity conditions : chilled water inlet temp. 12℃, outlet temp. 7℃ ,Fouling factor :0.000018m²℃/W.
cooling water inlet temp. 30℃, outlet temp. 35℃,Fouling factor :0.000044m²℃/W.
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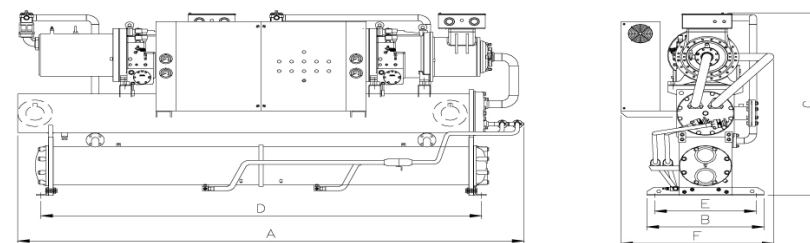


Model			KLSW-040S	KLSW-050S	KLSW-060S
Dimensions	A	mm	2550	2550	2700
	B	mm	750	750	750
	C	mm	1400	1500	1500
	D	mm	2100	2100	2300
	E	mm	650	650	650
	F	mm	-	-	-
Net weight			1000	1300	1300
Operating weight			1100	1450	1500

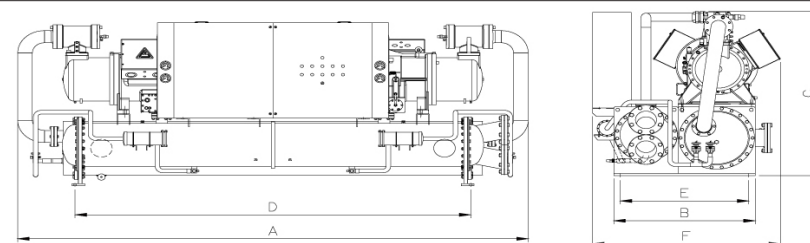


Model			KLSW-080S	KLSW-100S	KLSW-120S	KLSW-160S	KLSW-200S
Dimensions	A	mm	2900	3150	3450	3350	3700
	B	mm	700	820	820	950	1050
	C	mm	1350	1450	1450	1550	1650
	D	mm	2450	2450	2780	2780	3080
	E	mm	600	720	720	850	950
	F	mm	1050	1300	1300	1450	1550
Net weight			1850	1900	2000	3500	3650
Operating weight			2150	2080	2250	3750	3940

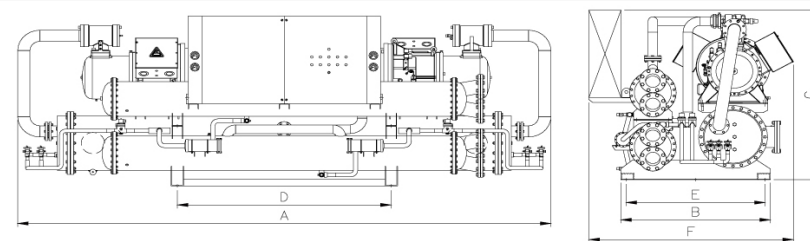
R-22



Model			KLSW-080D	KLSW-100D	KLSW-120D
Dimensions	A	mm	3150	3300	3350
	B	mm	750	750	750
	C	mm	1500	1600	1600
	D	mm	2700	2500	2830
	E	mm	650	650	650
	F	mm	1050	1050	1050
Net weight			1800	2400	2400
Operating weight			1980	2600	2600



Model			KLSW-160D	KLSW-200D	KLSW-240D
Dimensions	A	mm	3700	4000	4000
	B	mm	950	1050	1100
	C	mm	1400	1550	1600
	D	mm	2780	3080	3080
	E	mm	850	950	1000
	F	mm	1250	1450	1500
Net weight			3300	4200	4500
Operating weight			3600	4550	4900



Model			KLSW-320D	KLSW-400D
Dimensions	A	mm	4300	5000
	B	mm	1400	1400
	C	mm	1750	1850
	D	mm	2000	2000
	E	mm	1300	1300
	F	mm	1950	2100
Net weight			6800	7950
Operating weight			7200	8400