

PRODUCT GUIDE KA-SERIES

Product designed for high air volume, electric heater defrost of circulation cold air

• Inner Grooved Copper Tube : $\phi 12.7$ • Pipe Pitch : 33mm x 38.1mm

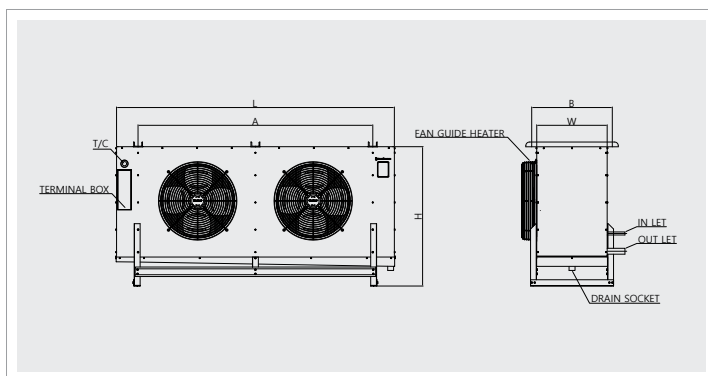
Capacity 50Hz

R404A / R507A / R448A

Model	Room Temp		F.P	Surface	TD & Capacity						Weight
	°C				10°C	7°C		5°C			
			mm	m²	kW	kcal/h	kW	kcal/h	kW	kcal/h	kg
SYU-KA100PE	M	-5	6.5	41.7	12.73	10,952	6.76	5,817	4.41	3,791	160
	L	-25	8.0	56.1	17.13	14,730	9.10	7,823	5.93	5,098	180
SYU-KA150PE	M	-5	6.5	75.1	22.92	19,714	12.17	10,470	7.93	6,824	200
	L	-25	8.0	69.5	21.21	18,237	11.26	9,686	7.34	6,312	210
SYU-KA200PE	M	-5	6.5	79.5	24.25	20,851	12.88	11,075	8.39	7,218	210
	L	-25	8.0	88.2	26.97	23,194	14.29	12,294	9.32	8,012	240
SYU-KA250PE	M	-5	6.5	97.6	29.78	25,611	15.82	13,603	10.31	8,865	240
	L	-25	8.0	109.1	33.28	28,618	17.67	15,199	11.52	9,906	270
SYU-KA300PE	M	-5	6.5	105.9	32.33	27,802	17.17	14,766	11.19	9,623	250
	L	-25	8.0	125.1	38.17	32,825	20.27	17,434	13.21	11,362	330
SYU-KA350PE	M	-5	6.5	136.4	41.61	35,789	22.10	19,009	14.40	12,388	310
	L	-25	8.0	141	43.03	37,005	22.85	19,655	14.89	12,808	360
SYU-KA400PE	M	-5	6.5	146.4	44.67	38,418	23.73	20,405	15.46	13,298	340
	L	-25	8.0	161.2	49.20	42,309	26.13	22,471	17.03	14,645	390
SYU-KA450PE	M	-5	6.5	169.4	51.71	44,466	27.46	23,618	17.90	15,391	380
	L	-25	8.0	175.8	53.64	46,132	28.49	24,502	18.57	15,968	410
SYU-KA500PE	M	-5	6.5	198.7	60.62	52,133	32.20	27,690	20.98	18,045	430
	L	-25	8.0	219.8	67.06	57,673	35.62	30,632	23.21	19,962	470

※ The specifications of this unit may be changed without notice for improvements in performance.)

※ Temperature switch (TC) attached to prevent overheating during defrost



PRODUCT GUIDE

KA-SERIES

Propeller Fan + Electric Heater Defrost

— Specifications

Model	Ventilator Ø x W x N x EA	Air Flow CMM	Defrost (kW)			Connections (mmø)			Dimensions				
			Coil	Drain	Fan	IN	OUT	Drain	L	A	B mm	W	H
SYU-KA100PE	M	144	1.8 x 3	1.4 x 1					1,694	1,330	565	480	1,062
	500 x 400 x 6 x 2					15.88	34.92	40A					
	L	156	2.0 x 6	1.2 x 2	0.6 x 2				1,794	1,430	565	480	1,062
SYU-KA150PE	M	128							1,694	1,330	680	595	986
	500 x 400 x 6 x 2		1.8 x 6	1.2 x 2		22.22	41.28	40A					
	L	144			0.6 x 2				1,694	1,330	680	595	1,062
SYU-KA200PE	M	184							2,044	1,680	680	595	1,062
	550 x 400 x 6 x 2		2.2 x 6	1.2 x 2		22.22	41.28	40A					
	L	184			0.65 x 2				2,044	1,680	680	595	1,062
SYU-KA250PE	M	168	2.1 x 6	1.4 x 2					1,914	1,550	680	595	1,062
	550 x 400 x 6 x 2					22.22	41.28	40A					
	L	224	2.3 x 8		0.65 x 2				2,094	1,730	680	595	1,215
SYU-KA300PE	M	180	2.2 x 6	1.4 x 2					2,044	1,680	680	595	1,062
	550 x 400 x 6 x 2					22.22	53.98	40A					
	L	256	2.6 x 8	1.2 x 3	0.75 x 2				2,344	1,980	680	595	1,215
SYU-KA350PE	M	232	2.4 x 8	1.4 x 2					2,164	1,800	680	595	1,215
	600 x 750 x 6 x 2					22.22	53.98	50A					
	L	288	2.4 x 9	1.2 x 3	0.75 x 2				2,424	2,060	680	595	1,291
SYU-KA400PE	M	252	2.6 x 8	1.65 x 2					2,294	1,930	680	595	1,215
	600 x 750 x 6 x 2					28.58	66.68	50A					
	L	332	2.7 x 9	1.4 x 3	0.75 x 3				2,714	2,350	680	595	1,291
SYU-KA450PE	M	288	2.2 x 10	1.75 x 2					2,424	2,060	680	595	1,291
	600 x 750 x 6 x 2					28.58	66.68	50A					
	L	340	2.8 x 9	1.5 x 3	0.75 x 3				2,924	2,560	680	595	1,291
SYU-KA500PE	M	340	2.8 x 9	1.75 x 2					2,774	2,410	680	595	1,291
	600 x 750 x 6 x 3					28.58	66.68	50A					
	L	360	3.1 x 13	1.5 x 3	0.75 x 3				2,924	2,560	680	615	1,291

※ Electric power for fan motor : 3PH x 220V / 380V x 50Hz

PRODUCT GUIDE

KA-SERIES

Product designed for high air volume, electric heater defrost of circulation cold air

• Inner Grooved Copper Tube : $\phi 12.7$ • Pipe Pitch : 33mm x 38.1mm

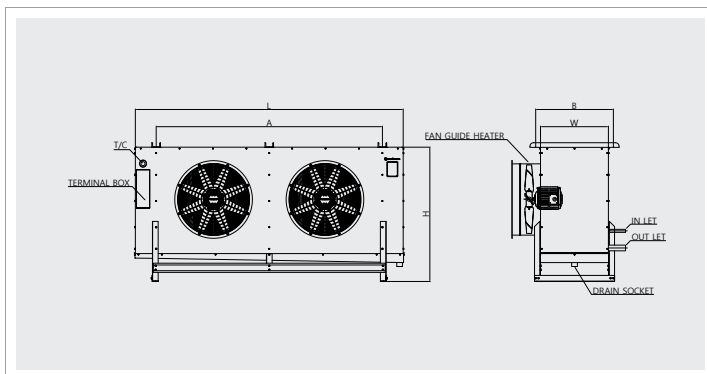
Capacity 50Hz

R404A / R507A / R448A

Model	Room Temp		F.P	Surface	TD & Capacity						Weight
					10℃		7℃		5℃		
	℃	mm			m	kW	kcal/h	kW	kcal/h	kW	
SYU-KA100AE	M	-5	6.5	41.7	12.73	10,952	6.76	5,817	4.41	3,791	200
	L	-25	8.0	56.1	17.13	14,730	9.10	7,823	5.93	5,098	220
	F	-40	10	68.1	20.77	17,862	11.03	9,487	7.19	6,182	260
SYU-KA150AE	M	-5	6.5	75.1	22.92	19,714	12.17	10,470	7.93	6,824	250
	L	-25	8.0	69.5	21.21	18,237	11.26	9,686	7.34	6,312	260
	F	-40	10	91.2	27.82	23,929	14.78	12,709	9.63	8,283	310
SYU-KA200AE	M	-5	6.5	79.5	24.25	20,851	12.88	11,075	8.39	7,218	270
	L	-25	8.0	88.2	26.97	23,194	14.29	12,294	9.32	8,012	290
	F	-40	10	100.3	30.61	26,326	16.26	13,983	10.60	9,113	330
SYU-KA250AE	M	-5	6.5	97.6	29.78	25,611	15.82	13,603	10.31	8,865	290
	L	-25	8.0	109.1	33.28	28,618	17.67	15,199	11.52	9,906	350
	F	-40	10	127.1	38.78	33,348	20.60	17,713	13.42	11,543	390
SYU-KA300AE	M	-5	6.5	105.9	32.33	27,802	17.17	14,766	11.19	9,623	300
	L	-25	8.0	125.1	38.17	32,825	20.27	17,434	13.21	11,362	380
	F	-40	10	145.8	44.50	38,272	23.64	20,327	15.40	13,247	420
SYU-KA350AE	M	-5	6.5	136.4	41.61	35,789	22.10	19,009	14.40	12,388	360
	L	-25	8.0	141.0	43.03	37,005	22.85	19,655	14.89	12,808	420
	F	-40	10	164.8	50.30	43,257	26.72	22,975	17.41	14,972	490
SYU-KA400AE	M	-5	6.5	146.4	44.67	38,418	23.73	20,405	15.46	13,298	380
	L	-25	8.0	161.2	49.20	42,309	26.13	22,471	17.03	14,645	470
	F	-40	10	187.2	57.12	49,121	30.34	26,090	19.77	17,003	540
SYU-KA450AE	M	-5	6.5	169.4	51.71	44,466	27.46	23,618	17.90	15,391	410
	L	-25	8.0	175.8	53.64	46,132	28.49	24,502	18.57	15,968	490
	F	-40	10	205.0	62.54	53,787	33.22	28,568	21.65	18,617	560
SYU-KA500AE	M	-5	6.5	198.7	60.62	52,133	32.20	27,690	20.98	18,045	500
	L	-25	8.0	219.8	67.06	57,673	35.62	30,632	23.21	19,962	550
	F	-40	10	240.4	73.36	63,090	38.96	33,509	25.39	21,838	620

※ The specifications of this unit may be changed without notice for improvements in performance.)

※ Temperature switch (TC) attached to prevent overheating during defrost



PRODUCT GUIDE

KA-SERIES

Propeller Fan + Electric Heater Defrost

— Specifications

Model	Ventilator	Air Flow	Defrost (kW)			Connections (mmø)			Dimensions				
									L	A	B	W	H
			Ø x W x N x EA	CMM	Coil	Drain	Fan	IN	OUT	Drain	mm		
SYU-KA100AE	M	500 x 400 x 4 x 2	144	1.8 x 3	1.4 x 1	15.88	34.92	40A	1,694	1,330	565	480	1,062
	L		156	2.0 x 6	1.2 x 2				0.60 x 2	1,794	1,430	565	480
	F		156	2.0 x 7	22.22	41.28	1,794	1,430	680	595	1,139		
SYU-KA150AE	M	500 x 400 x 4 x 2	128	1.8 x 6	1.2 x 2	22.22	41.28	40A	1,694	1,330	680	595	986
	L		144	1.8 x 6	0.60 x 2				1,694	1,330	680	595	1,062
	F		160	1.6 x 11	1,894	1,530	680	615	1,139				
SYU-KA200AE	M	550 x 750 x 4 x 2	184	2.2 x 6	1.2 x 2	22.22	41.28	40A	2,044	1,680	680	595	1,062
	L		184	2.2 x 6	0.65 x 2				2,044	1,680	680	595	1,062
	F		184	1.9 x 11	2,044	1,680	680	615	1,139				
SYU-KA250AE	M	550 x 750 x 4 x 2	168	2.1 x 6	1.4 x 2	22.22	41.28	40A	1,914	1,550	680	595	1,062
	L		224	2.3 x 8	0.65 x 2				2,094	1,730	680	595	1,215
	F		224	2.4 x 12	2,164	1,800	680	615	1,291				
SYU-KA300AE	M	550 x 750 x 4 x 2	184	2.2 x 6	1.4 x 2	22.22	53.98	40A	2,044	1,680	680	595	1,062
	L		256	2.6 x 8	1.2 x 3				0.75 x 2	2,344	1,980	680	595
	F		256	2.2 x 13	2,424	2,060	680	615	1,291				
SYU-KA350AE	M	600 x 1500 x 4 x 2	232	2.4 x 8	1.4 x 2	22.22	53.98	50A	2,164	1,800	680	595	1,215
	L		288	2.4 x 9	1.2 x 3				0.75 x 2	2,424	2,060	680	595
	F		288	2.4 x 14	2,524	2,160	680	615	1,367				
SYU-KA400AE	M	600 x 1500 x 4 x 2	252	2.6 x 8	1.65 x 2	28.58	66.68	50A	2,294	1,930	680	595	1,215
	L		336	2.7 x 9	1.4 x 3				0.75 x 3	2,714	2,350	680	595
	F		336	2.7 x 14	2,814	2,450	680	615	1,367				
SYU-KA450AE	M	600 x 1500 x 4 x 2	288	2.2 x 10	1.75 x 2	28.58	66.68	50A	2,424	2,060	680	595	1,291
	L		340	2.8 x 9	1.5 x 3				0.75 x 3	2,924	2,560	680	595
	F		360	2.8 x 14	3,044	2,680	680	615	1,367				
SYU-KA500AE	M	600 x 1500 x 4 x 3	336	2.8 x 9	1.75 x 2	28.58	66.68	50A	2,774	2,410	680	595	1,291
	L		360	3.1 x 13	1.5 x 3				0.75 x 3	2,924	2,560	680	615
	F		360	3.1 x 16	3,294	2,930	680	615	1,444				

※ Electric power for fan motor : 3PH x 220V / 380V x 50Hz

PRODUCT GUIDE

KA-SERIES

Product designed for high air volume, electric heater defrost of circulation cold air

• Inner Grooved Copper Tube : ø12.7 • Pipe Pitch : 33mm x 38.1mm

— Capacity 50Hz

R404A / R507A / R448A

Model	Room Temp		F.P	Surface	TD & Capacity						Weight
					10℃		7℃		5℃		
	℃				mm	m²	kW	kcal/h	kW	kcal/h	kW
SYU-KA100AW	M	-5℃	6.5	41.7	12.73	10,952	6.76	5,817	4.41	3,791	250
	L	-25℃	8.0	56.1	17.13	14,730	9.10	7,823	5.93	5,098	280
	F	-40℃	10	68.1	20.77	17,862	11.03	9,487	7.19	6,182	300
SYU-KA150AW	M	-5℃	6.5	75.1	22.92	19,714	12.17	10,470	7.93	6,824	290
	L	-25℃	8.0	69.5	21.21	18,237	11.26	9,686	7.34	6,312	310
	F	-40℃	10	91.2	27.82	23,929	14.78	12,709	9.63	8,283	350
SYU-KA200AW	M	-5℃	6.5	79.5	24.25	20,851	12.88	11,075	8.39	7,218	320
	L	-25℃	8.0	88.2	26.97	23,194	14.29	12,294	9.32	8,012	350
	F	-40℃	10	100.3	30.61	26,326	16.26	13,983	10.60	9,113	380
SYU-KA250AW	M	-5℃	6.5	97.6	29.78	25,611	15.82	13,603	10.31	8,865	350
	L	-25℃	8.0	109.1	33.28	28,618	17.67	15,199	11.52	9,906	390
	F	-40℃	10	127.1	38.78	33,348	20.60	17,713	13.42	11,543	430
SYU-KA300AW	M	-5℃	6.5	105.9	32.33	27,802	17.17	14,766	11.19	9,623	370
	L	-25℃	8.0	125.1	38.17	32,825	20.27	17,434	13.21	11,362	420
	F	-40℃	10	145.8	44.50	38,272	23.64	20,327	15.40	13,247	460
SYU-KA350AW	M	-5℃	6.5	136.4	41.61	35,789	22.10	19,009	14.40	12,388	410
	L	-25℃	8.0	141.0	43.03	37,005	22.85	19,655	14.89	12,808	480
	F	-40℃	10	164.8	50.30	43,257	26.72	22,975	17.41	14,972	530
SYU-KA400AW	M	-5℃	6.5	146.4	44.67	38,418	23.73	20,405	15.46	13,298	430
	L	-25℃	8.0	161.2	49.20	42,309	26.13	22,471	17.03	14,645	540
	F	-40℃	10	187.2	57.12	49,121	30.34	26,090	19.77	17,003	580
SYU-KA450AW	M	-5℃	6.5	169.4	51.71	44,466	27.46	23,618	17.90	15,391	460
	L	-25℃	8.0	175.8	53.64	46,132	28.49	24,502	18.57	15,968	550
	F	-40℃	10	205.0	62.54	53,787	33.22	28,568	21.65	18,617	610
SYU-KA500AW	M	-5℃	6.5	198.7	60.62	52,133	32.20	27,690	20.98	18,045	550
	L	-25℃	8.0	219.8	67.06	57,673	35.62	30,632	23.21	19,962	620
	F	-40℃	10.0	240.4	73.36	63,090	38.96	33,509	25.39	21,838	660

※ The specifications of this unit may be changed without notice for improvements in performance.)

※ Temperature switch (TC) attached to prevent overheating during defrost

PRODUCT GUIDE

KA-SERIES

Axial Fan + Water Spray Defrost

Specifications

Model	Ventilator		Air Flow	Defrost Water		Heater (kW)		Connections (mmø)		Dimensions							
				Volume	Pipe (A)					L	A	B	W	H			
	Ø x W x N x EA	CMM	LPM	IN	OUT	Drain	Fan	IN	OUT	mm							
SYU-KA100AW	M	500 x 400 x 4 x 2	144	30	32	50	1.2 x 2	0.6 x 2	15.88	34.92	1,690	1,330	678	576	1227		
	L		156	55							1,790	1,430	744	642	1227		
	F		156	80							1,790	1,430	810	708	1303		
SYU-KA150AW	M	500 x 400 x 4 x 2	128	55	32	50	1.2 x 2	0.6 x 2	22.22	41.28	1,690	1,330	810	708	1151		
	L		144	65							1,690	1,330	810	708	1227		
	F		160	105							40	65	1,890	1,530	876	774	1303
SYU-KA200AW	M	550 x 750 x 4 x 2	184	60	32	50	1.2 x 2	0.65 x 2	22.22	41.28	2,040	1,680	744	642	1227		
	L		184	85							2,040	1,680	810	708	1227		
	F		184	120							40	65	2,040	1,680	876	774	1303
SYU-KA250AW	M	550 x 750 x 4 x 2	168	70	40	65	1.4 x 2	0.65 x 2	22.22	41.28	1,910	1,550	810	708	1227		
	L		224	105							2,090	1,730	810	708	1379		
	F		224	145							50	80	2,160	1,800	876	774	1456
SYU-KA300AW	M	550 x 750 x 4 x 2	184	75	40	65	1.2 x 3	0.75 x 2	22.22	53.98	2,040	1,680	810	708	1227		
	L		256	120							2,340	1,980	810	708	1379		
	F		256	170							50	80	2,420	2,060	876	774	1456
SYU-KA350AW	M	600 x 1500 x 4 x 2	232	100	40	65	1.2 x 3	0.75 x 2	22.22	53.98	2,160	1,800	810	708	1379		
	L		288	135							50	80	2,420	2,060	810	708	1456
	F		288	190							2,520	2,160	876	774	1532		
SYU-KA400AW	M	600 x 1500 x 4 x 2	252	105	40	65	1.4 x 3	0.75 x 2	28.58	66.68	2,290	1,930	810	708	1379		
	L		336	155							50	80	2,710	2,350	810	708	1453
	F		336	215							2,810	2,450	876	774	1529		
SYU-KA450AW	M	600 x 1500 x 4 x 2	288	120	40	65	1.5 x 3	0.75 x 2	28.58	66.68	2,420	2,060	810	708	1456		
	L		340	160							50	80	2,920	2,560	810	708	1453
	F		360	235							3,040	2,680	876	774	1529		
SYU-KA500AW	M	600 x 1500 x 4 x 3	336	145	65	100	1.5 x 3	0.75 x 3	28.58	66.68	2,770	2,410	810	708	1453		
	L		360	215							2,920	2,560	876	774	1453		
	F		360	285							3,290	2,930	876	774	1605		

※ Electric power for fan motor : 3PH x 220V / 380V x 50Hz

