

PRODUCT GUIDE

KE-E-SERIES

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EBM(Germany) FAN MOTOR & Double Drain Application

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

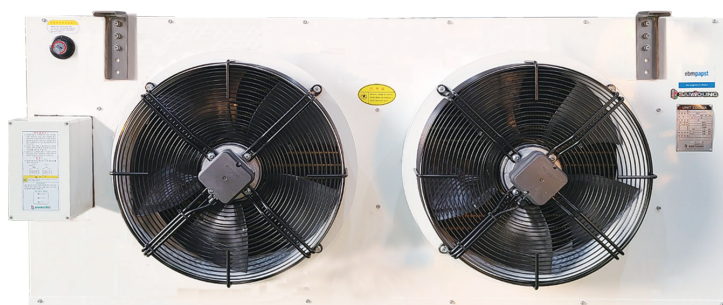
Capacity 50Hz

R404A / R507A / R448A

Model	Room Temp	F.P	Surface	TD & Capacity									Weight
				12°C		10°C		7°C		5°C			
				°C	mm	m²	kW	kcal/h	kW	kcal/h	kW	kcal/h	
SYU-KE100PE	M	-10	6.5	44.9	18.31	15,749	13.71	11,794	7.29	6,267	4.75	4,081	131
	L	-25	8.0	56.1	22.87	19,667	17.13	14,728	9.10	7,827	5.93	5,096	157
	F	-40	10	61.9	25.22	21,686	18.88	16,240	10.04	8,630	6.53	5,620	162
SYU-KE150PE	M	-10	6.5	67.4	27.47	23,623	20.57	17,691	10.93	9,401	7.12	6,122	156
	L	-25	8.0	74.8	30.49	26,223	22.83	19,638	12.13	10,435	7.90	6,795	180
	F	-40	10	85.7	34.90	30,013	26.13	22,475	13.89	11,943	9.04	7,777	193
SYU-KE200PE	M	-10	6.5	84.3	34.34	29,530	25.71	22,113	13.66	11,751	8.90	7,652	177
	L	-25	8.0	93.5	38.12	32,779	28.54	24,547	15.17	13,044	9.88	8,494	205
	F	-40	10	96.7	39.40	33,886	29.51	25,375	15.68	13,485	10.21	8,781	214
SYU-KE250PE	M	-10	6.5	101.1	41.20	35,435	30.86	26,536	16.40	14,101	10.68	9,182	191
	L	-25	8.0	112.3	45.74	39,335	34.25	29,456	18.20	15,653	11.85	10,193	234
	F	-40	10	116.0	47.28	40,662	35.41	30,450	18.82	16,181	12.25	10,537	239
SYU-KE300PE	M	-10	6.5	112.4	45.78	39,372	34.28	29,484	18.22	15,668	11.86	10,203	205
	L	-25	8.0	132.0	53.80	46,266	40.29	34,646	21.41	18,411	13.94	11,989	285
	F	-40	10	136.5	55.61	47,827	41.65	35,816	22.13	19,032	14.41	12,393	288
SYU-KE350PE	M	-10	6.5	131.6	53.63	46,122	40.16	34,539	21.34	18,354	13.90	11,952	244
	L	-25	8.0	142.5	58.04	49,918	43.47	37,382	23.10	19,865	15.04	12,935	297
	F	-40	10	147.3	60.00	51,602	44.93	38,643	23.88	20,535	15.55	13,372	301
SYU-KE400PE	M	-10	6.5	150.9	61.48	52,871	46.04	39,593	24.47	21,040	15.93	13,701	268
	L	-25	8.0	163.3	66.54	57,223	49.83	42,852	26.48	22,772	17.24	14,828	324
	F	-40	10	168.8	68.78	59,154	51.51	44,298	27.37	23,540	17.82	15,329	331
SYU-KE450PE	M	-10	6.5	171.1	69.72	59,958	52.21	44,900	27.74	23,860	18.07	15,537	293
	L	-25	8.0	180.7	73.62	63,310	55.13	47,411	29.30	25,194	19.08	16,406	368
	F	-40	10	186.8	76.10	65,447	56.99	49,011	30.28	26,044	19.72	16,960	376
SYU-KE500PE	M	-10	6.5	196.2	79.92	68,733	59.85	51,471	31.80	27,352	20.71	17,811	330
	L	-25	8.0	225.9	92.02	79,138	68.91	59,263	36.62	31,493	23.85	20,507	435
	F	-40	10	224.1	91.32	78,537	68.39	58,813	36.34	31,253	23.66	20,351	445

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

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



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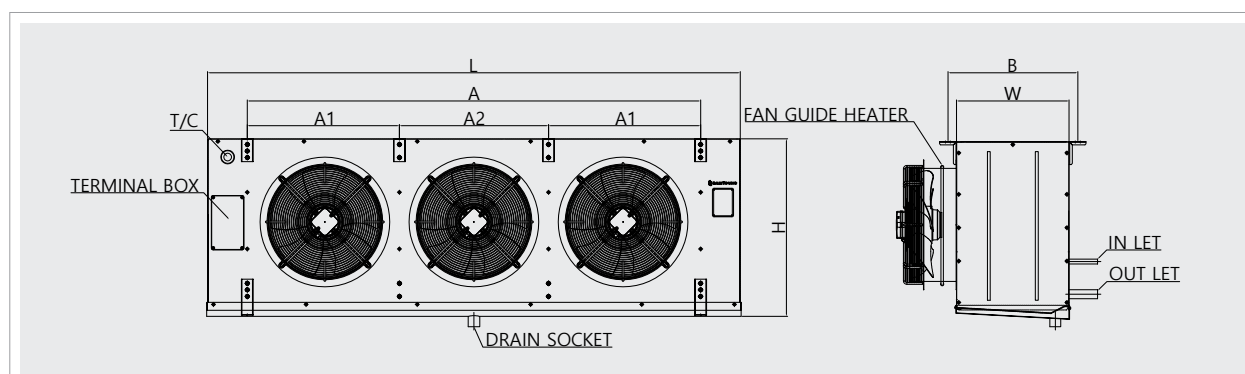
Propeller Fan + Electric Heater Defrost

Specifications

Model	Ventilator	Air Flow	Defrost (kW)			Connections (mmø)			Dimensions						
			Coil	Drain	Fan	IN	OUT	Drain	L	A	A1	A2	B	W	H
	Ø x W x N x EA	CMM										mm			
SYU-KE100PE	M	232	2.0 x 3	1.0 x 2		15.88	34.92		1,795	1,430			596	516	814
	L 500 x 690 x 4 x 2	207	2.0 x 6	1.0 x 2	0.65 x 2			40A	1,795	1,430			596	516	814
	F	182	2.0 x 6	1.0 x 2	0.65 x 2	22.22	41.28		1,795	1,430			596	516	814
SYU-KE150PE	M	205	2.0 x 6	1.0 x 2					1,795	1,430			596	516	814
	L 500 x 690 x 4 x 2	181	2.0 x 6	1.0 x 2	0.65 x 2	22.22	41.28	40A	1,795	1,430			596	516	814
	F	184	2.2 x 9	1.1 x 2	0.65 x 2				1,945	1,580			662	582	814
SYU-KE200PE	M	234	2.4 x 6	1.2 x 2					2,145	1,780			596	516	814
	L 500 x 690 x 4 x 2	218	2.4 x 6	1.2 x 2	0.65 x 2	22.22	41.28	40A	2,145	1,780			596	516	814
	F	202	2.4 x 9	1.2 x 2	0.65 x 2				2,145	1,780			662	582	814
SYU-KE250PE	M	201	2.4 x 6	1.2 x 2					2,145	1,780			596	516	738
	L 500 x 690 x 4 x 2	240	2.4 x 8	1.2 x 2	0.65 x 2	22.22	41.28	40A	2,145	1,780			596	516	967
	F	228	2.4 x 11	1.2 x 2	0.65 x 2				2,145	1,780			662	582	967
SYU-KE300PE	M 500 x 690 x 4 x 2	217	2.4 x 6	1.2 x 2					2,145	1,780			596	516	814
	L 500 x 690 x 4 x 3	318	2.7 x 8	1.3 x 2	0.65 x 3	22.22	53.98	40A	2,295	1,930	648	634	596	516	1,043
	F	291	2.6 x 12	1.3 x 2	0.65 x 3				2,295	1,930	648	634	662	582	1,043
SYU-KE350PE	M	270	2.8 x 6	1.5 x 2					2,445	2,080	698	684	596	516	814
	L 500 x 690 x 4 x 3	334	2.8 x 8	1.5 x 2	0.65 x 3	22.22	53.98	40A	2,445	2,080	698	684	596	516	1,043
	F	313	2.8 x 12	1.5 x 2	0.65 x 3				2,445	2,080	698	684	662	582	1,043
SYU-KE400PE	M	302	3.1 x 6	1.6 x 2					2,745	2,380	798	784	596	516	814
	L 500 x 690 x 4 x 3	355	3.1 x 8	1.6 x 2	0.65 x 3	22.22	66.68	40A	2,745	2,380	798	784	596	516	1,043
	F	338	3.1 x 12	1.6 x 2	0.65 x 3				2,745	2,380	798	784	662	582	1,043
SYU-KE450PE	M 500 x 690 x 4 x 3	334	2.8 x 8	1.5 x 2					2,445	2,080	698	684	596	516	1,043
	L 500 x 690 x 4 x 4	429	3.4 x 8	1.8 x 2	0.65 x 4	28.58	66.68	40A	2,995	2,630	665	650	596	516	1,043
	F	396	3.4 x 12	1.8 x 2	0.65 x 4				2,995	2,630	665	650	662	582	1,043
SYU-KE500PE	M 500 x 690 x 4 x 3	354	3.1 x 8	1.6 x 2					2,745	2,380	798	784	596	516	1,043
	L 500 x 690 x 4 x 4	395	3.4 x 12	1.8 x 2	0.65 x 4	28.58	66.68	40A	2,995	2,630	665	650	662	582	1,043
	F	363	3.4 x 14	1.8 x 2	0.65 x 4				2,995	2,630	665	650	728	648	1,043

※ Electric power for fan motor : 1PH x 220V x 50Hz or 3PH x 220V / 380V x 50Hz

※ Fan shroud heater is applied at Room temperature -25°C



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EBM(Germany) FAN MOTOR

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

Capacity 50Hz

R404A / R507A / R448A

Model	Room Temp		F.P	Surface	TD & Capacity								Weight
	°C	mm			12°C		10°C		7°C		5°C		
					kW	kcal/h	kW	kcal/h	kW	kcal/h	kW	kcal/h	kg
SYU-KE100PW	M	-10	6.5	44.9	18.31	15,749	13.71	11,794	7.29	6,267	4.75	4,081	131
	L	-25	8.0	56.1	22.87	19,667	17.13	14,728	9.10	7,827	5.93	5,096	157
	F	-40	10	61.9	25.22	21,686	18.88	16,240	10.04	8,630	6.53	5,620	162
SYU-KE150PW	M	-10	6.5	67.4	27.47	23,623	20.57	17,691	10.93	9,401	7.12	6,122	156
	L	-25	8.0	74.8	30.49	26,223	22.83	19,638	12.13	10,435	7.90	6,795	180
	F	-40	10	85.7	34.90	30,013	26.13	22,475	13.89	11,943	9.04	7,777	193
SYU-KE200PW	M	-10	6.5	84.3	34.34	29,530	25.71	22,113	13.66	11,751	8.90	7,652	177
	L	-25	8.0	93.5	38.12	32,779	28.54	24,547	15.17	13,044	9.88	8,494	205
	F	-40	10	96.7	39.40	33,886	29.51	25,375	15.68	13,485	10.21	8,781	214
SYU-KE250PW	M	-10	6.5	101.1	41.20	35,435	30.86	26,536	16.40	14,101	10.68	9,182	191
	L	-25	8.0	112.3	45.74	39,335	34.25	29,456	18.20	15,653	11.85	10,193	234
	F	-40	10	116.0	47.28	40,662	35.41	30,450	18.82	16,181	12.25	10,537	239
SYU-KE300PW	M	-10	6.5	112.4	45.78	39,372	34.28	29,484	18.22	15,668	11.86	10,203	205
	L	-25	8.0	132.0	53.80	46,266	40.29	34,646	21.41	18,411	13.94	11,989	285
	F	-40	10	136.5	55.61	47,827	41.65	35,816	22.13	19,032	14.41	12,393	288
SYU-KE350PW	M	-10	6.5	131.6	53.63	46,122	40.16	34,539	21.34	18,354	13.90	11,952	244
	L	-25	8.0	142.5	58.04	49,918	43.47	37,382	23.10	19,865	15.04	12,935	297
	F	-40	10	147.3	60.00	51,602	44.93	38,643	23.88	20,535	15.55	13,372	301
SYU-KE400PW	M	-10	6.5	150.9	61.48	52,871	46.04	39,593	24.47	21,040	15.93	13,701	268
	L	-25	8.0	163.3	66.54	57,223	49.83	42,852	26.48	22,772	17.24	14,828	324
	F	-40	10	168.8	68.78	59,154	51.51	44,298	27.37	23,540	17.82	15,329	331
SYU-KE450PW	M	-10	6.5	171.1	69.72	59,958	52.21	44,900	27.74	23,860	18.07	15,537	293
	L	-25	8.0	180.7	73.62	63,310	55.13	47,411	29.30	25,194	19.08	16,406	368
	F	-40	10	186.8	76.10	65,447	56.99	49,011	30.28	26,044	19.72	16,960	376
SYU-KE500PW	M	-10	6.5	196.2	79.92	68,733	59.85	51,471	31.80	27,352	20.71	17,811	330
	L	-25	8.0	225.9	92.02	79,138	68.91	59,263	36.62	31,493	23.85	20,507	435
	F	-40	10	224.1	91.32	78,537	68.39	58,813	36.34	31,253	23.66	20,351	445

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

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



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Propeller Fan + Water Spray Defrost

Specifications

Model	Ventilator		Air Flow	Defrost Water Volume	Pipe (A)		Heater (kW)		Connections (mmø)		Dimensions				
											L	A	B	W	H
	Ø x W x N x EA		CMM	LPM	IN	OUT	Drain	Fan	IN	OUT	mm				
SYU-KE100PW	M		232	34							1,790	1,430	678	576	1,227
	L	500 x 690 x 4 x 2	207	61	32	50		0.65 x 2	15.88	34.92	1,790	1,430	744	642	1,227
	F		182	82			1.2 x 2	0.65 x 2	22.22	41.28	1,790	1,430	810	708	1,227
SYU-KE150PW	M		205	50	32	50					1,790	1,430	744	642	1,227
	L	500 x 690 x 4 x 2	181	81				0.65 x 2	22.22	41.28	1,790	1,430	810	708	1,227
	F		184	113	40	65		0.65 x 2			1,940	1,580	876	774	1,227
SYU-KE200PW	M		234	63	32	50					2,140	1,780	744	642	1,227
	L	500 x 690 x 4 x 2	218	101			1.2 x 2	0.65 x 2	22.22	41.28	2,140	1,780	810	708	1,227
	F		202	127	40	65		0.65 x 2			2,140	1,780	876	774	1,227
SYU-KE250PW	M		201	76	40	65					2,140	1,780	810	708	1,151
	L	500 x 690 x 4 x 2	240	122			1.4 x 2	0.65 x 2	22.22	41.28	2,140	1,780	810	708	1,379
	F		228	153	50	80		0.65 x 2			2,140	1,780	876	774	1,379
SYU-KE300PW	M	500 x 690 x 4 x 2	217	84	40	65					2,140	1,780	810	708	1,227
	L	500 x 690 x 4 x 3	318	143			1.2 x 3	0.65 x 3	22.22	53.98	2,290	1,930	810	708	1,456
	F		291	180	50	80		0.65 x 3			2,290	1,930	876	774	1,456
SYU-KE350PW	M		270	98	40	65					2,440	2,080	810	708	1,227
	L	500 x 690 x 4 x 3	334	154	50	80	1.2 x 3	0.65 x 3	22.22	53.98	2,440	2,080	810	708	1,456
	F		313	194				0.65 x 3			2,440	2,080	876	774	1,456
SYU-KE400PW	M		302	113	40	65					2,740	2,380	810	708	1,227
	L	500 x 690 x 4 x 3	355	177	50	80	1.4 x 3	0.65 x 3	22.22	66.68	2,740	2,380	810	708	1,456
	F		338	223				0.65 x 3			2,740	2,380	876	774	1,456
SYU-KE450PW	M	500 x 690 x 4 x 3	334	128	40	65					2,440	2,080	810	708	1,456
	L	500 x 690 x 4 x 4	429	196	50	80	1.5 x 3	0.65 x 4	28.58	66.68	2,990	2,630	810	708	1,456
	F		396	246				0.65 x 4			2,990	2,630	876	774	1,456
SYU-KE500PW	M	500 x 690 x 4 x 3	354	146							2,740	2,380	810	708	1,456
	L	500 x 690 x 4 x 4	395	245	65	100	1.5 x 3	0.65 x 4	28.58	66.68	2,990	2,630	876	774	1,456
	F		363	295				0.65 x 4			2,990	2,630	942	840	1,456

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

