

KDE 45



COMMERCIAL DUAL DISCHARGE

CONSTRUCTION CHARACTERISTICS

- ~ 12 mm O.D. seamless copper tube expanded into aluminium fins. Stainless Steel tube on request
- ~ casing in white pre-coated aluminium or inox on request
- ~ 230V/1F/50Hz motorfans with thermic protection, blowing on the coil
- ~ on request:
protective treatment of coils
brine mode use

DEFROST

- ~ AIR: "A" without defrost system
- ~ ELECTRIC: "E" stainless steel sheathed electric heaters, vulcanized terminals, connected at 230V/1F/50Hz in to a water resistant junction box.

COMMERCIALI DOPPIO FLUSSO

CARATTERISTICHE COSTRUTTIVE

- ~ batteria realizzata con tubo di rame Ø 12 mm ed aletta di alluminio. A richiesta realizzazione con tubo in acciaio inox
- ~ involucro in alluminio pre verniciato bianco o inox su richiesta
- ~ motoventilatori 230V/1F/50Hz con protezioni termiche, flusso aria premente sulla batteria
- ~ a richiesta possibilità di:
trattamenti protettivi della batteria
funzionamento ad acqua glicolata

SBRINAMENTO

- ~ ARIA: "A" senza sistema di sbrinamento
- ~ ELETTRICO: "E" a mezzo resistente corazzate in acciaio inossidabile con terminali vulcanizzati. Le resistenze sono collegate in scatola di derivazione stagna per essere alimentate a 230V/1F/50Hz.

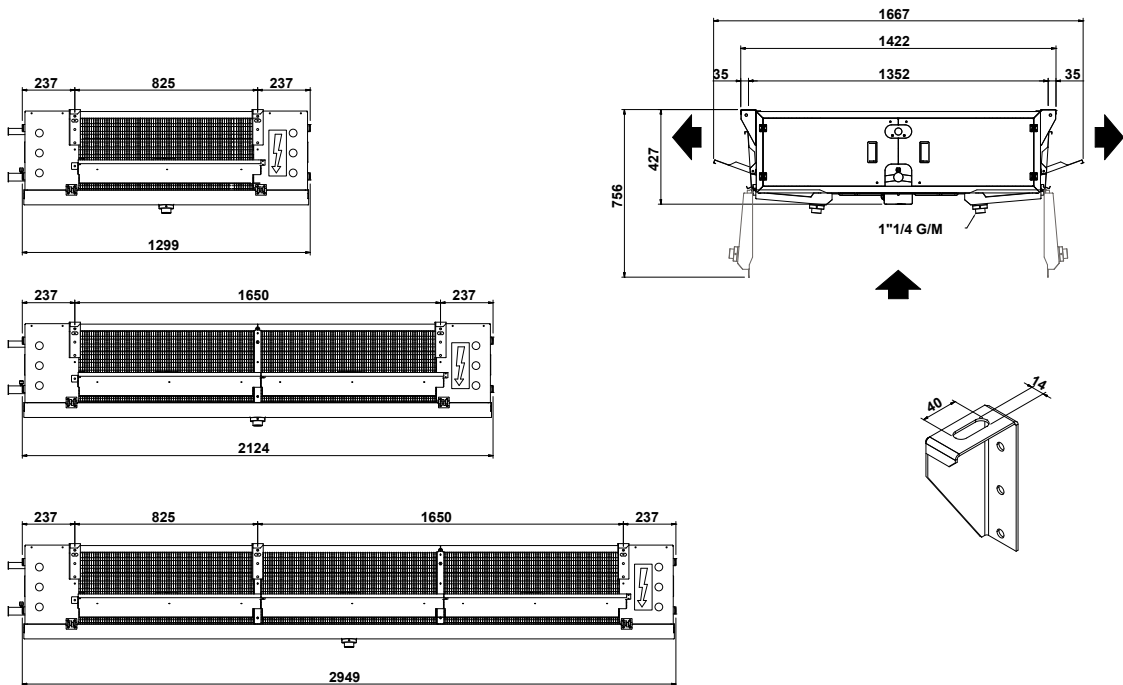
EC MOTORS
AVAILABLE



by
ebmpapst

Model Modello	Capacity Resa Tc=0°C DT 8K	Capacity Resa Tc=-25°C DT 6K	Air Flow Portata Aria	Air Throw Freccia Aria	Surface Superficie	Internal Volume Volume Interno	Motorfans Motoventilatori				Electrical Defrost Sbrinamento Elettrico		Water Defrost Sbrina- mento Acqua	Sound Pressure Pressione Sonora	Wei- ght Peso	Con- nections Connes- sioni
	SC2	SC4					Ø 450	Tensione 230V/1F/50Hz			Standard	Enhanced				
KDEH 45	kW	kW	m³/h	m	m²	dm³	n°	W	A	rpm	kW(@ 230V/1F)	kW(@ 230V/1F)	l/h	dB(A) @ 5m	kg	IN/OUT Ø mm

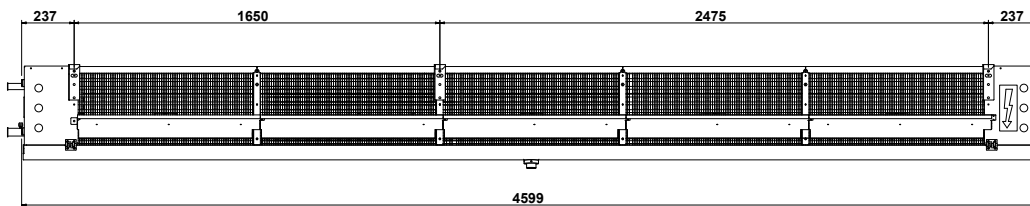
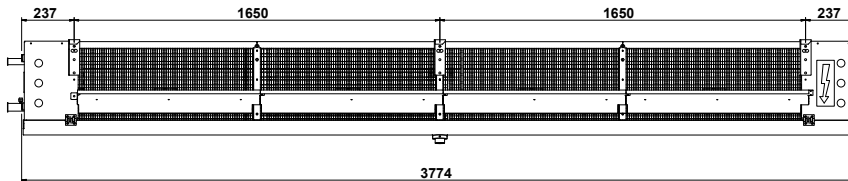
Fin Space - 4 mm																
KDEH 451 AP40D	9,75	6,01	6069	29	43,0	9,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	151	12 / 28
KDEH 451 AP40F	12,69	7,79	5711	27	64,0	13,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	162	16 / 28
KDEH 452 AP40D	20,02	12,37	12135	30	86,0	17,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	253	22 / 35
KDEH 452 AP40F	25,83	15,78	11420	28	128,0	25,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	276	28 / 42
KDEH 453 AP40D	30,34	18,73	18195	31	128,0	24,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	357	35 / 42
KDEH 453 AP40F	39,55	24,32	17128	29	193,0	37,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	390	35 / 54
KDEH 454 AP40D	41,27	24,96	24270	32	171,0	32,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	460	35 / 54
KDEH 454 AP40F	52,74	32,01	22837	30	257,0	48,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	502	35 / 54
KDEH 455 AP40F	65,32	41,16	28540	31	321,0	60,0	5	2450	11,80	1310	16	21,2	0,0	65 / 5	616	35 / 76
Fin Space - 6 mm																
KDEH 451 AP60D	7,99	4,88	6171	29	29,0	9,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	151	12 / 22
KDEH 451 AP60F	10,62	6,59	5843	28	43,0	13,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	162	16 / 28
KDEH 452 AP60D	16,47	10,19	12334	30	57,0	17,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	253	22 / 35
KDEH 452 AP60F	21,72	13,40	11679	29	86,0	25,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	276	28 / 35
KDEH 453 AP60D	25,01	15,48	18498	31	86,0	24,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	357	28 / 42
KDEH 453 AP60F	32,83	20,23	17515	30	128,0	37,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	390	35 / 42
KDEH 454 AP60D	32,87	20,39	24664	33	114,0	32,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	460	35 / 42
KDEH 454 AP60F	43,96	27,13	23369	31	171,0	48,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	502	35 / 54
KDEH 455 AP60F	55,84	34,32	29205	32	214,0	60,0	5	2450	11,80	1310	16	21,2	0,0	65 / 5	616	35 / 54
Fin Space - 8 mm																
KDEH 451 AP80D	6,69	4,21	6215	29	21,0	9,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	151	12 / 22
KDEH 451 AP80F	9,19	5,75	5908	28	32,0	13,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	162	16 / 22
KDEH 452 AP80D	13,94	8,59	12429	30	43,0	17,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	253	22 / 28
KDEH 452 AP80F	18,85	11,81	11807	29	64,0	25,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	276	28 / 35
KDEH 453 AP80D	20,90	13,01	18648	32	64,0	24,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	357	28 / 35
KDEH 453 AP80F	28,52	17,66	17711	30	96,0	37,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	390	35 / 42
KDEH 454 AP80D	28,02	17,39	24863	33	86,0	32,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	460	35 / 42
KDEH 454 AP80F	38,19	23,99	23610	31	128,0	48,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	502	35 / 54
KDEH 455 AP80F	47,90	29,49	29512	32	160,0	60,0	5	2450	11,80	1310	16	21,2	0,0	65 / 5	616	35 / 54
Fin Space - 11 mm																
KDEH 451 AP11D	5,66	3,52	6250	29	16,0	9,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	151	12 / 22
KDEH 451 AP11F	7,74	4,86	5948	28	23,0	13,0	1	490	2,36	1310	4	4,8	0,0	52 / 5	162	12 / 22
KDEH 452 AP11D	11,64	7,24	12501	31	31,0	17,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	253	16 / 28
KDEH 452 AP11F	15,92	9,98	11897	29	47,0	25,0	2	980	4,72	1310	7	9,3	0,0	58 / 5	276	28 / 35
KDEH 453 AP11D	17,32	11,00	18747	32	47,0	24,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	357	22 / 35
KDEH 453 AP11F	24,14	15,25	17845	30	70,0	37,0	3	1470	7,08	1310	10	13,8	0,0	61 / 5	390	35 / 35
KDEH 454 AP11D	23,62	14,95	24996	33	62,0	32,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	460	28 / 35
KDEH 454 AP11F	32,32	20,49	23789	31	93,0	48,0	4	1960	9,44	1310	14	18,2	0,0	63 / 5	502	35 / 42
KDEH 455 AP11F	40,11	25,28	29742	33	117,0	60,0	5	2450	11,80	1310	16	21,2	0,0	65 / 5	616	35 / 54



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Model Modello	Capacity Resa Tc=0°C DT 8K	Capacity Resa Tc=-25°C DT 6K	Air Flow Portata Aria	Air Throw Freccia Aria	Surface Superficie	Internal Volume Volume Interno	Motorfans Motoventilatori				Electrical Defrost Sbrinamento Elettrico		Water Defrost Sbrina- mento Acqua	Sound Pressure Pressione Sonora	Wei- ght Peso	Con- nections Connes- sioni
	SC2	SC4					Ø 450	Tensione 230V/1F/50Hz			Standard	Enhanced				
								W	A	rpm						
KDEL 45	kW	kW	m³/h	m	m²	dm³	n°	W	A	rpm	kW(@ 230V/1F)	kW(@ 230V/1F)	l/h	dB(A) @ 5m	kg	IN/OUT Ø mm

Fin Space - 4 mm																
KDEL 451 AP40D	7,73	4,75	3866	18	43,0	9,0	1	155	0,65	880	4	4,8	0,0	42 / 5	151	12 / 22
KDEL 451 AP40F	9,63	5,97	3586	17	64,0	13,0	1	155	0,65	880	4	4,8	0,0	42 / 5	162	16 / 28
KDEL 452 AP40D	15,98	9,73	7735	19	86,0	17,0	2	310	1,30	880	7	9,3	0,0	48 / 5	253	22 / 35
KDEL 452 AP40F	19,71	12,23	7163	18	128,0	25,0	2	310	1,30	880	7	9,3	0,0	48 / 5	276	28 / 35
KDEL 453 AP40D	24,17	14,89	11600	20	128,0	24,0	3	465	1,95	880	10	13,8	0,0	51 / 5	357	28 / 35
KDEL 453 AP40F	29,78	18,28	10745	18	193,0	37,0	3	465	1,95	880	10	13,8	0,0	51 / 5	390	35 / 42
KDEL 454 AP40D	31,95	19,70	15463	20	171,0	32,0	4	620	2,60	880	14	18,2	0,0	53 / 5	460	35 / 42
KDEL 454 AP40F	39,87	24,78	14323	19	257,0	48,0	4	620	2,60	880	14	18,2	0,0	53 / 5	502	35 / 54
KDEL 455 AP40F	49,96	30,52	17898	20	321,0	60,0	5	775	3,25	880	16	21,2	0,0	55 / 5	616	35 / 54
Fin Space - 6 mm																
KDEL 451 AP60D	6,35	3,95	3953	19	29,0	9,0	1	155	0,65	880	4	4,8	0,0	42 / 5	151	12 / 22
KDEL 451 AP60F	8,18	5,11	3697	17	43,0	13,0	1	155	0,65	880	4	4,8	0,0	42 / 5	162	16 / 22
KDEL 452 AP60D	13,08	8,05	7903	19	57,0	17,0	2	310	1,30	880	7	9,3	0,0	48 / 5	253	16 / 28
KDEL 452 AP60F	16,84	10,46	7392	18	86,0	25,0	2	310	1,30	880	7	9,3	0,0	48 / 5	276	28 / 35
KDEL 453 AP60D	19,63	12,27	11852	20	86,0	24,0	3	465	1,95	880	10	13,8	0,0	51 / 5	357	28 / 35
KDEL 453 AP60F	25,49	15,96	11088	19	128,0	37,0	3	465	1,95	880	10	13,8	0,0	51 / 5	390	35 / 42
KDEL 454 AP60D	26,34	16,60	15802	21	114,0	32,0	4	620	2,60	880	14	18,2	0,0	53 / 5	460	35 / 42
KDEL 454 AP60F	34,15	21,46	14784	20	171,0	48,0	4	620	2,60	880	14	18,2	0,0	53 / 5	502	35 / 42
KDEL 455 AP60F	42,33	26,49	18480	20	214,0	60,0	5	775	3,25	880	16	21,2	0,0	55 / 5	616	35 / 54
Fin Space - 8 mm																
KDEL 451 AP80D	5,44	3,39	3994	19	21,0	9,0	1	155	0,65	880	4	4,8	0,0	42 / 5	151	12 / 22
KDEL 451 AP80F	7,17	4,50	3750	18	32,0	13,0	1	155	0,65	880	4	4,8	0,0	42 / 5	162	12 / 22
KDEL 452 AP80D	11,14	6,95	7984	20	43,0	17,0	2	310	1,30	880	7	9,3	0,0	48 / 5	253	16 / 28
KDEL 452 AP80F	14,65	9,16	7497	18	64,0	25,0	2	310	1,30	880	7	9,3	0,0	48 / 5	276	22 / 28
KDEL 453 AP80D	16,66	10,52	11976	20	64,0	24,0	3	465	1,95	880	10	13,8	0,0	51 / 5	357	22 / 35
KDEL 453 AP80F	22,01	14,02	11251	19	96,0	37,0	3	465	1,95	880	10	13,8	0,0	51 / 5	390	28 / 35
KDEL 454 AP80D	22,64	14,33	15968	21	86,0	32,0	4	620	2,60	880	14	18,2	0,0	53 / 5	460	28 / 35
KDEL 454 AP80F	29,42	18,40	14997	20	128,0	48,0	4	620	2,60	880	14	18,2	0,0	53 / 5	502	35 / 42
KDEL 455 AP80F	36,87	23,13	18737	21	160,0	60,0	5	775	3,25	880	16	21,2	0,0	55 / 5	616	35 / 54
Fin Space - 11 mm																
KDEL 451 AP11D	4,52	2,86	4024	19	16,0	9,0	1	155	0,65	880	4	4,8	0,0	42 / 5	151	12 / 22
KDEL 451 AP11F	6,10	3,84	3789	18	23,0	13,0	1	155	0,65	880	4	4,8	0,0	42 / 5	162	12 / 22
KDEL 452 AP11D	9,22	5,91	8043	20	31,0	17,0	2	310	1,30	880	7	9,3	0,0	48 / 5	253	16 / 22
KDEL 452 AP11F	12,46	7,86	7574	19	47,0	25,0	2	310	1,30	880	7	9,3	0,0	48 / 5	276	22 / 28
KDEL 453 AP11D	13,95	8,80	12059	20	47,0	24,0	3	465	1,95	880	10	13,8	0,0	51 / 5	357	22 / 28
KDEL 453 AP11F	18,67	11,87	11360	19	70,0	37,0	3	465	1,95	880	10	13,8	0,0	51 / 5	390	28 / 35
KDEL 454 AP11D	18,79	11,78	16082	21	62,0	32,0	4	620	2,60	880	14	18,2	0,0	53 / 5	460	28 / 35
KDEL 454 AP11F	25,01	15,88	15147	20	93,0	48,0	4	620	2,60	880	14	18,2	0,0	53 / 5	502	35 / 42
KDEL 455 AP11F	31,66	20,21	18934	21	117,0	60,0	5	775	3,25	880	16	21,2	0,0	55 / 5	616	35 / 42



KDE 45