Submittal Sheet of Kepler Top Discharge Air Conditioner

Model			KCOT-18CNR1-14	KCOT-24CNR1-14	KCOT-30CNR1-14	KCOT-36CNR1-14	KCOT-42CNR1-14	KCOT-48CNR1-14	KCOT-60CNR1-14
Outdoor power supply		V/Ph/Hz	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Cooling	Capacity	Btu/h	18000	24000	30000	34500	42000	46000	56500
	Input	W	1475	1960	2460	2830	3450	4088	4920
	EER	Btu/h.W	11.70	12.20	11.70	11.70	11.70	11.20	11.20
	SEER (AHRI Certified)	Btu/h.W	13-14	13-14	13-14	13-14	13-14	13-14	13-14
Max. input consumption		W	1843.75	2450.00	3075.00	3537.50	4312.50	5110.00	6150.00
Max. current		A	8.44	11.21	14.07	16.19	19.74	23.39	28.15
Compressor	Brand		HIGHLY	HIGHLY	HIGHLY	HIGHLY	LG	LG	LG
	Model		ASL145DG-C7EU	ASH201DG-C8LU1L	ASH239DG-C8DU	ASH280DG-C8DU	ABG036KAC	ABG042KAC	ABG051KAC
	Type		rotary	rotary	rotary	rotary	scroll	scroll	scroll
	Capacity	W	4240	5970	7055	8260	10551	12309	14974
	Input	W	1390	1950	2290	2700	3429	3962	4722
	Rated current(RLA)	A	6.10	8.70	10.20	11.90	15.2	17.3	21.0
	Locked rotor Amp(LRA)	A	33	44	56	60	112	108	128
	Thermal protector	uf	40	40	55.00	70	45	70	70
	Refrigerant oil	ml	480	570	570	570	1280	1280	1280
Outdoor fan motor	Brand		chigo	chigo	chigo	chigo	chigo	xinjun	xinjun
	Model		S.TB-DQ-YDK-60-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-85-6P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-110-8P2-AL	S.TB-DQ-YDK-230-6P2	S.TB-DQ-YDK-230-6P2
	Input	W	145	178	178	207	207	510	510
	Output	W	60	85	85	110	110	230	230
	Capacitor	μF	6.00	6.00	6.00	6.00	6.00	12.00	12.00
	Speed	rpm	870	970	970	850	850	1095	1095
Outdoor coil	Number of row		1	2	2	2	2	2	2.7
	Fin spacing	in	0.055	0.055	0.055	0.055	0.055	0.055	0.055
	Fin material		non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin	non-Hydrophilic Aluminium Fin
	Tube outside diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276
	Tube material		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	Coil length x height x width	in	56.22×23.15×0.53	56.22×23.15×1.05	56.22×23.15×1.05	84.65×23.15×1.05	84.65×31.48×1.05	84.65×31.48×1.05	84.65×31.48×1.05
	Number of circuit		3	4	4	6	8	8	8
Outdoor air flow		CFM	1500	1700	1900	2800	4000	4000	4000
Outdoor noise level		dB(A)	57	60	60	60	60	63	63
Outdoor dimension	Unit (WxHxD)	in	21-4/5×25×21-4/5	21-4/5×25×21-4/5	21-4/5×25×21-4/5	29-1/7×25×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7	29-1/7×32-7/8×29-1/7
		mm	554×633×554	554×633×554	554×633×554	740×633×740	740×835×740	740×835×740	740×835×740
	Packing (WxHxD)	in	22-3/5×25-9/10×22-3/5	22-3/5×25-9/10×22-3/5	22-3/5×25-9/10×22-3/5	29-9/10×25-9/10×x29-9/10	29-9/10×34-2/5×29-9/10	29-9/10×34-2/5×29-9/10	29-9/10×34-2/5×29-9/10
		mm	575×660×575	575×660×575	575×660×575	760×660×760	760×875×760	760×875×760	760×875×760
	Net / Gross weight	kg	46/48	52/54	58/61	71/74	83/87	84/89	94/98
		lbs	101/106	115/119	128/134	157/163	183/192	185/196	207/216
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charging	oz	70.55	93.48	95.24	123.46	126.99	148.15	178.13
Refrigerant pipe	Liquid side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	Φ7/8
	Max. refrigerant pipe length	ft	50	50	50	50	66	66	66
	Max. difference in level	ft	26	26	26	26	33	33	33
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure		MPa	4.20	4.20	4.20	4.20	4.20	4.20	4.20
Operation temp range	Cooling	℉	64-109	64-109	64-109	64-109	64-109	64-109	64-109