

## 6) 항온제습 휴먼공기조화기 사양

### HTD -SPEC : KV-2001

ITEM	MODEL	HTD-50	HTD-75	HTD-100	HTD-150	HTD-200	HTD-250	HTD-300	HTD-400	HTD-500
HUMAN THERMO DEHUMIDIFIER UNIT										
호칭능력		5	7.5	10	15	20	25	30	40	50
증발기(EVAPORATOR)		MULTI PASS CROSS FIN TUBE TYPE								
냉방능력 (kcal/h)		14000	21000	28000	42000	56000	70000	84000	112000	140000
규격 (ROW x m <sup>2</sup> )		3 x 0.4	3 x 0.6	3 x 0.8	3 x 1.2	3 x 1.6	3 x 1.7	3 x 2.1	3 x 2.7	4 x 2.7
응축기(CONDENSER)		MULTI PASS CROSS FIN TUBE TYPE								
난방능력 (kcal/h)		11000 ~ 14000	16500 ~ 21000	22000 ~ 28000	33000 ~ 42000	44000 ~ 56000	55000 ~ 70000	66000 ~ 84000	88000 ~ 112000	110000 ~ 140000
규격 (ROW x m <sup>2</sup> )		5 x 0.5	5 x 0.8	5 x 1.1	5 x 1.5	5 x 2.1	5 x 2.3	5 x 2.7	5 x 3.6	6 x 3.8
재열코일 (RE-HEAT')		REHEAT' CONDENSER(기본사양)/ ELECTRIC, HOT WATER, STEAM COIL(선택사양)								
재열능력 (kcal/h)		14000	21000	28000	42000	56000	70000	84000	112000	140000
규격 (m <sup>2</sup> )		3 x 0.4	3 x 0.6	3 x 0.8	3 x 1.2	3 x 1.6	3 x 1.7	3 x 2.1	3 x 2.7	4 x 2.7
급기송풍기(S.A FAN)		AIR FOIL	AIR FOIL DOUBLE SUCTION							
풍량 (CMM)		23	34	45	75	90	113	135	180	225
풍량범위 (CMM)		20 ~ 23	30 ~ 34	40 ~ 45	67 ~ 75	81 ~ 90	100 ~ 113	121 ~ 135	162 ~ 180	202 ~ 225
규격 (#NO)		2 SS	2 SS	2 DS	2 DS	2.5 DS	3 DS	3 DS	3.5 DS	3.5 DS
기내정압 (mmAq)		27	27	27	27	27	28	28	28	37
전정압 (mmAq)		44	44	49	54	57	57	60	62	73
모터동력(Kw)		0.4	0.75	0.75	1.5	1.5	2.2	3.7	3.7	5.5
배기송풍기(E.A FAN)		SIROCCO DOUBLE SUCTION								
풍량 (CMM)		70	105	140	210	280	350	420	560	700
풍량범위 (CMM)		63 ~ 70	95 ~ 105	126 ~ 140	189 ~ 210	252 ~ 280	315 ~ 350	378 ~ 420	504 ~ 560	630 ~ 700
규격 (DS#)		2 DS	2.5 DS	3 DS	3.5 DS	3.5 DS	4 DS	4.5 DS	5 DS	5.5 DS
기내정압 (mmAq)		19	19	20	20	20	20	20	21	24
전정압 (mmAq)		29	29	34	39	39	39	42	44	48
모터동력(Kw)		1.5	1.5	2.2	3.7	5.5	7.5	7.5	11.2	15
공기청정장치(FILTER)		KPS-4000N(AFI 80%)								
드레인 (A)		20	20	25	25	32	32	32	40	40
가습급수라인 (A)		-	-	-	-	-	-	-	-	-
가습장치(HUMIDIFIER)		-								
운전중량 (ton/ASS'Y)		0.5	0.8	1.0	1.5	2.0	2.5	3.0	3.8	5.0
COMPRESSOR UNIT										
COMPRESSOR TYPE		HERMETIC RECIPRO & SCROLL			HERMETIC RECIPRO			SEMI-HERMETIC RECIPRO		
출력 (Kw)		3.7	5.5	7.5	5.5	7.5	9.4	11.2	15	18.5
수량 (SET)		1	1	1	2	2	2	2	2	2
COMP' 기동방식		직입기동			순차직입기동			Y-Δ 기동		
용량제어 (%)		0-100			0-50-100			0-50-100		
냉매가스관 (mm x EA)		19.1 x 1	22.2 x 1	25.4 x 1	22.2 x 2	25.4 x 2	31.8 x 2	31.8 x 2	38.1 x 2	44.5 x 2
냉매액관 (mm x EA)		12.7 x 1	15.9 x 1	15.9 x 1	15.9 x 2	15.9 x 2	19.1 x 2	19.1 x 2	25.4 x 2	25.4 x 2
냉매제어		EXPANTION VALVE								
온도제어		전자식 온.습도조절기, MICOM(DDC 적용가능)								
안전장치		압축기보호 써모스탯, 과전류 계전기, 고압압력스위치								
냉매종류		R-22								
냉매충진량 (Kg)		5	7	7	7 X 2	7 X 2	14 X 2	14 X 2	18 X 2	18 X 2
냉동기유종류		SUNISO - 4GS								
충진량 (ℓ)		2.6	3	3	3 X 2	3 X 3	4.5 X 2	4.5 X 2	7 X 2	7 X 2
출력동력 (Kw)		5.6	7.8	10.5	16.4	22.0	28.2	33.7	44.9	57.5
동력사양	ψ Hz V	3φ 60 Hz 220, 380, 460 V								

HTD-600	HTD-700	HTD-800	HTD-900	HTD-1000	HTD-1200	HTD-1500	HTD-1800	HTD-2000	
HUMAN THERMO DEHUMIDIFIER UNIT									
60	70	80	90	100	120	150	180	200	
MULTI PASS CROSS FIN TUBE TYPE									
168000	196000	224000	252000	280000	336000	420000	504000	560000	
4 x 3.3	4 x 3.8	4 x 4.5	4 x 4.9	4 x 5.6	4 x 6.7	4 x 7.9	4 x 9.6	4 x 11.0	
MULTI PASS CROSS FIN TUBE TYPE									
132000 ~ 168000	154000 ~ 196000	176000 ~ 224000	198000 ~ 252000	220000 ~ 280000	264000 ~ 336000	330000 ~ 420000	396000 ~ 504000	440000 ~ 560000	
6 x 4.5	6 x 5.2	6 x 6.0	7 x 6.0	7 x 6.6	7 x 8.1	6 x 10.1	6 x 12.4	6 x 13.3	
REHEAT' CONDENSER(기본사양)/ ELECTRIC, HOT WATER, STEAM COIL(선택사양)									
168000	196000	224000	252000	280000	336000	420000	504000	560000	
4 x 3.3	4 x 3.8	4 x 4.5	4 x 4.9	4 x 5.6	4 x 6.7	4 x 7.9	4 x 9.6	4 x 11.0	
AIR FOIL DOUBLE SUCTION									
270	315	360	405	450	540	675	810	900	
243 ~ 270	284 ~ 315	324 ~ 360	365 ~ 405	405 ~ 450	486 ~ 540	608 ~ 675	729 ~ 810	810 ~ 900	
4 DS	4 DS	4.5 DS	5 DS	5 DS	5.5 DS	6 DS	6 DS	6 DS	
39	39	40	40	40	40	40	40	40	
79	81	86	87	91	93	101	105	109	
7.5	7.5	11.2	11.2	11.2	15	18.5	22.5	30	
SIROCCO DOUBLE SUCTION									
840	980	1120	1260	1400	1680	2100	2520	2800	
756 ~ 840	882 ~ 980	1008 ~ 1120	1134 ~ 1260	1260 ~ 1400	1512 ~ 1680	1890 ~ 2100	2268 ~ 2520	2520 ~ 2800	
6 DS	6 DS	7 DS	7 DS	7 DS	8 DS	9 DS	10 DS	11 DS	
33	33	33	41	41	41	36	36	37	
60	61	62	70	72	73	71	71	72	
18.5	22.5	22.5	30	37	37	45	45	55	
KPS-4000N(AFI 80%)									
40	40	40	40	40	50	50	65	65	
-	-	-	-	-	-	-	-	-	
-									
6.0	6.7	7.5	8.4	8.9	10.0	12.0	14.0	16.0	
COMPRESSOR UNIT									
SEMI-HERMETIC RECIPRO									
22.5	30 + 22.5	30	22.5	37	45	37	45	37	
2	2	2	3	2	2	3	3	4	
Y-Δ 기동									
0-50-100			0-33-66-100		0-50-100		0-33-66-100		0-50-100
38.1 x 2	44.5 x 2	44.5 x 2	38.1 x 3	50.8 x 2	54.0 x 2	50.8 x 3	54.0 x 3	50.8 x 4	
25.4 x 2	25.4 x 2	25.4 x 2	25.4 x 3	31.8 x 2	31.8 x 2	31.8 x 3	31.8 x 3	31.8 x 4	
EXPANTION VALVE									
전자식 온.습도조절기, MICOM(DDC 적용가능)									
압축기보호 써모스탯, 과전류 계전기, 고압압력스위치									
R-22									
28 X 2	39 X 2	39 X 2	28 X 3	46 X 2	51 X 2	46 X 3	51 X 3	46 X 4	
SUNISO - 4GS									
9 X 2	14 X 2	14 X 2	9 X 3	14 X 2	14 X 2	14 X 3	14 X 3	14 X 4	
71.0	82.5	93.7	108.7	123.2	142.0	176.0	202.5	235.0	
3φ 60 Hz 220, 380, 460 V									