

HSK®

CEILING TYPE

AIR HANDLING UNIT

www.hsk.com.tr



“Powered by Self Quality”

CEILING TYPE

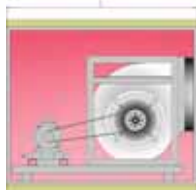


AIR HANDLING UNIT

- Easy to install in narrow areas with its compact structure and design occupying minimum space
- Flexible structure appropriate for its purposes due its composite structure consisting of different sections
- Easy and fast selection facility using its selection tables



H= Height
B= Width
L= Length



AS/VA
Return fan section / Supply fan section



IB
Heating Section



SB
Cooler Section



IB+SB
Heater + Cooler Section



TF
Bag Filter Section



S1
Silencer Section

SPECIFICATIONS

- Panels are made of 1 mm galvanized sheet painted with electrostatic powder and 25 mm rock wool is used for heat isolation
- The framework is composed of galvanize coated profile frames, which are 30x30 mm in dimension
- Radial fans with frequent impellers and double inlet are used. Motor is driven by the belt – pulley mechanism
- Air handling unit is provided with suction damper as a standard
- G3 class bag filter is used in pre-filter section as a standard
- Maintenance doors are located on the bottom surface of the air handling unit
- A stainless drain pan is provided under the cooling battery as a standard
- Air handling units designed by selection of sections appropriate for customer requirements are manufactured as monoblock
- Transportation and suspension apparatus are provided on the body for installation of the unit

MODEL	Capacity m ³ /h	Height H (mm)	Width B B (mm)	DIMENSIONS					
				Length L (mm)					
				AS / VA	IB	SB	IB + SB	TF	S1
CL 10	1000	420	710	650	300	600	800	450	600
CL 20	2000	455	1010	680	300	600	800	450	600
CL 30	3000	490	1310	710	300	600	800	450	600
CL 40	4000	520	1310	780	300	600	800	450	600

TECHNICAL SPECIFICATIONS										
	AS / VA				IB	SB	IB + SB	TF(G3)	S1	
MODEL	Capacity m ³ /h	Motor Power – Cycle	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	NOMINAL PRESSURE (Pascal)	Noise Level dB (A)
CL 10	1000	0,55 kw - 3000 d/d	550	10	41	114	155	155	15	19
CL 20	2000	1,1 kw - 3000 d/d	650	10	47	132	179	155	15	19
CL 30	3000	1,5 kw - 3000 d/d	625	10	56	155	211	155	20	19
CL 40	4000	2,2 kw - 3000 d/d	800	10	51	142	193	155	20	19
HEATING										
90-70 (1000m ³ /h)					80-60 (1000m ³ /h)					
Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		
-15	30	17	24.8		-15	25	15	20.6		
-10	33	16	22.2		-10	28	14	18.3		
-5	36	15	19.8		-5	31	13	16.1		
0	39	14	17.6		0	34	12	14.0		
5	42	13	15.5		5	37	11	12.1		
10	45	12	13.5		10	40	10	10.3		
15	47	11	11.7		15	42	9	8.7		
90-70 (2000m ³ /h)					80-60 (2000m ³ /h)					
Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		
-15	28	32	16.2		-15	23	28	13.2		
-10	31	30	14.5		-10	26	26	11.7		
-5	34	28	12.8		-5	29	24	10.2		
0	37	26	11.3		0	32	22	8.8		
5	40	24	9.9		5	35	21	7.5		
10	43	22	8.5		10	37	19	6.3		
15	46	21	7.3		15	41	17	5.3		
90-70 (3000m ³ /h)					80-60 (3000m ³ /h)					
Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		
-15	27	47	26.7		-15	23	41	22.1		
-10	31	44	24.0		-10	26	39	21.1		
-5	34	41	21.4		-5	29	36	20.3		
0	37	38	26.5		0	32	33	20.7		
5	40	36	23.3		5	35	31	17.8		
10	43	33	20.2		10	38	28	15.1		
15	46	31	17.4		15	41	25	12.6		
90-70 (4000m ³ /h)					80-60 (4000m ³ /h)					
Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		Input °C	Output °C	Heating Cap. Kw	Water Cycle Pres. Loss Kpa		
-15	28	63	31.2		-15	23	56	25.7		
-10	31	59	28.0		-10	26	52	22.7		
-5	35	56	24.9		-5	29	49	19.9		
0	38	52	22.0		0	32	45	17.3		
5	41	48	19.3		5	35	41	14.9		
10	43	45	16.8		10	38	38	12.7		
15	46	41	14.5		15	41	34	10.3		
COOLING										
7-12 (1000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	15.4	85	11	45.6				
35	25	45	14.8	91	11	46.3				
30	25	67	14.2	98	12	47.0				
6-11 (1000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	14.7	85	12	49.7				
35	25	45	14.1	91	12	50.5				
30	25	67	13.6	98	12	50.5				
7-12 (2000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	15.6	84	22	41.2				
35	25	45	15.0	91	23	41.8				
30	25	67	14.4	98	23	42.4				
6-11 (2000m ³ /h)										
Input°C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	14.9	85	23	44.9				
35	25	45	14.4	91	24	45.6				
30	25	67	13.8	98	24	46.2				
7-12 (3000m ³ /h)										
Input°C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	16.4	82	32	30.9				
35	25	45	15.7	90	32	31.3				
30	25	67	15.0	98	33	31.8				
6-11 (3000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	15.7	83	34	33.7				
35	25	45	15.0	91	34	34.2				
30	25	67	14.3	98	34	34.7				
7-12 (4000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	16.1	83	43	33.2				
35	25	45	15.5	90	44	33.7				
30	25	67	14.8	98	44	34.2				
6-11 (4000m ³ /h)										
Input °C	Damp Temp.	Input Relative Humidity	Output°C	Output Relative Humidity	Cooling Cap. KW	Water Cycle Pres. Loss Kpa				
40	25	30	15.4	84	46	36.3				
35	25	45	14.8	91	46	36.8				
30	25	67	14.2	98	46	37.3				

The manufacturer holds the right to modify the technical data without prior notification.



“Powered by Self Quality”

www.hsk.com.tr

Havalandırma Endüstri San. ve Tic. Ltd. Şti.

Plant

İSİSO Sanayi Sitesi 2. Kısım V2 Blok No: 7/8
34555 Hadımköy / İstanbul
Tel: +90 (212) 623 22 10 (pbx) Fax: +90 (212) 623 22 15
hsk@hsk.com.tr www.hsk.com.tr

Istanbul Sales Office

Tel: +90 (212) 279 00 58 Fax: +90 (212) 279 10 97

Ankara Sales Office

Tel: +90 (312) 472 50 01 Fax: +90 (312) 472 50 98