SINKO

Hydronic Series

LKA Series

Hydronic Cassette Fan Coil Unit

EC Motor • PSC Motor

EC Motor Cassette

Cooling: 2.34 Kw-11.80 Kw

Heating: 3.15 Kw – 13.80KwKw

PSC Motor Cassette

Cooling: 1.87 Kw-10.70 Kw

Heating: 1.45 Kw – 8.88KwKw

Tomorrow's Technology for Today's Good Living

LKA Series Hydronic Cassette

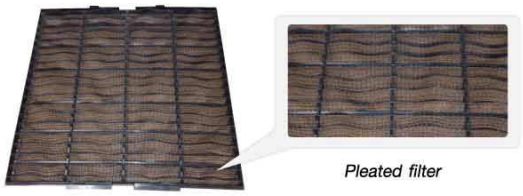
SINKO LKA series hydronic cassette is innovative in design for aesthetic appearance,ease of maintenance, quiet operation and high performance. There are 4 capacity sizes for the units with 600x600 mm panel and 6 for units with 850 x850 mm panel.

Housing

The cassette housing is made with heavy-gauge galvanized steel with polystyrene thermal-acoustic insulation inside the casing. The structure comes complete with the external brackets on the corners for ease of fixing the housing to the ceiling.

Air Filter

The filter comprises the plastic frame holding the pleated plastic filtering net inserted in the inner part of the front panel it is quite easy to remove and clean it using a vacuum cleaner or by washing with soft detergent and water.



Pleated filter

Fan

The cassette impeller is a single-inlet centrifugal fan designed specially for optimum performance, made of high quality plastic, statically and dynamically balanced for quietness and high performance.

LKA 10-24

LKA 30-60

Adjacent Room Air conditioning

Pre-perforated knock-out holes for adjacent room connection and also fresh air intake is provided.

Motor

The impeller is driven by a 5-speed PSC electric motor or EC motor,manufactured to international standards with overload cutout and the run capacitor always connected.

Coil

The coil is made of the hydrophilic aluminium fins bonded to copper tubes and expanded for high efficient heat exchanging.The headers have easily accessible female fittings and air vent and drainage valve located on the corner of the unit.

Condensate Pumps

The high performance condensate pump having a head lift of 650 mm. is part of the standard components supplied with the unit.

Decorative Panel

The front panel is professionally and beautifully designed ideal for use in residences as well as in commercial premises. The white panel (RAL9010) is made with light-weight but strong polymer material .Fixing to the unit is quick and easy.

The 4 automatic adjustable louvres ensure the best air distribution throughout the room.

The return air grille with pleated plastic filter guarantees clean air at all time.

To access to the control box the coil and the blower, the grille may be removed easily without removing the housing from the ceiling

LKA 10-24

LKA 30-60

Hydronic Cassette with PSC Motor

SINKO cassette with PSC motor is also available in 4 capacities for the 600 x 600 sizes and 6 capacities for the 850 x 850 mm. sizes catering to a wide range of choices for the customers.The panels of the mini cassettes and the large ones are of the same pattern and look.So it is quite uniform and harmonious when installed in the same room or area. This series can be controlled with an individual control or as a master-slave control of up to 64 units.

SINKO EC Motor Cassette

The **SINKO** LKA series hydronic cassette fan coil units are innovative and ingeniously creative in design and engineering for for high efficiency and energy saving, high performance, ease of maintenance,low noise and precision control.Higher energy saving is achieved by the use of a brushless DC motor or EC motor with electronic commutation controlled by microprocessor. There are ten models to cater to diverse choices of air flow.They come in two sets of panel sizes ,namely, the 600 x 600 mm. and 50x850 mm.sizes

Benefits of EC Motor Cassette

- It uses a very high efficiency electric motor up to 30% higher energy saving than traditional motors.
- High energy saving translates into lower operating costs.
- High efficiency also means that the motors run “cool” and dramatically reduce the amount of waste heat produced.
- An EC motor has a wider operating range than traditional induction motors ,which means that one EC motor can be used for many induction motors. In this way, the number of motor models decreases simplifying the inventory.
- EC motors are also much quieter than traditional inefficient motors, have longer design life and require less maintenance.

Product Specifications : EC Motor Cassette (2-Pipe)

Fan Coil Type				2-Pipe Type									
Model				LKA10MPVC/H-CWZ	LKA13MPVC/H-CWZ	LKA18MPVC/H-CWZ	LKA24MPVC/H-CWZ	LKA30MPVC/H-CWZ	LKA32MPVC/H-CWZ	LKA36MPVC/H-CWZ	LKA42MPVC/H-CWZ	LKA48MPVC/H-CWZ	LKA60MPVC/H-CWZ
Air Flow		Turbo Speed	l/s	200	160	210	215	360	400	460	462	480	490
		High Speed	l/s	155	140	180	210	290	340	400	415	450	470
		Medium Speed	l/s	120	110	150	175	220	270	350	357	380	425
		Low Speed	l/s	95	80	115	140	180	220	280	297	345	370
		Quiet	l/s	70	50	85	95	90	130	190	197	240	280
COOLING MODE	Turbo Speed	Total Cooling Capacity	Kw	2.34	3.40	4.20	4.25	7.63	8.30	9.25	10.80	11.40	11.60
		Sensible Cooling Capacity	Kw	1.86	2.42	3.1	3.15	5.60	6.2	7	7.7	8.1	8.26
		Water Flow Rate	l/s	0.112	0.162	0.20	0.203	0.364	0.396	0.44	0.515	0.544	0.554
		Pressure Drop	kPa	19.5	12.2	16.5	17.00	20.00	22.3	27.2	26	29.5	30
	High Speed	Total Cooling Capacity	Kw	1.92	3.00	3.75	4.18	6.36	7.20	8.45	9.90	10.60	11.20
		Sensible Cooling Capacity	Kw	1.50	2.10	2.7	3.06	4.52	5.35	6.3	7	7.55	8
		Water Flow Rate	l/s	0.092	0.143	0.179	0.20	0.303	0.34	0.403	0.472	0.505	0.535
		Pressure Drop	kPa	14.9	10.00	14.2	16.50	15.8	18.2	23.0	22	25	28.2
Heating Mode	Turbo Speed	Total Heating Capacity	Kw	3.15	4.20	5.30	5.40	9.25	10.12	11.34	12.94	13.59	13.80
		Water Pressure drop	kPa	17	10.5	15	15.5	17.8	20	24.2	23	25	26.5
	High Speed	Total Heating Capacity	Kw	2.57	3.70	4.66	5.24	7.60	8.87	10.30	11.80	12.67	13.40
		Water Pressure drop	kPa	13	8.5	12.6	15	13	15.3	21	19.5	22	25
		Water Content	L	0.56	1.06	1.06	1.06	2.12	2.12	2.12	2.99	2.99	2.99
Noise	Sound Pressure Levels	Turbo Speed	dB(A)	43	41	46	47	40	41	45	43	45	45
		High Speed	dB(A)	40	39	43	45	35	38	42	41	43	44
		Medium Speed	dB(A)	36	36	40	43	31	34	39	38	40	42
		Low Speed	dB(A)	33	33	37	39	28	30	34	36	38	39
		Quiet Speed	dB(A)	30	31	34	35	22	25	28	31	33	36
Electricity	Power Input	Turbo Speed	W	61	41	71	75	54	67	90.0	110	116	120
		High Speed	W	39	39	54	69	34	49	70.0	81	98	112
	Current Input	Turbo Speed	A	0.51	0.38	0.6	0.63	0.51	0.61	0.8	0.8	0.92	0.96
		High Speed	A	0.34	0.3	0.46	0.59	0.35	0.47	0.6	0.66	0.77	0.87
	Power	Supply	V	220-240 V/1/50Hz									
Pipe Connection		Diameter,Cooling	In.	3/4 (Nominal)				1 (Nominal)					
		Diameter ,Heating	In.	1/2 (Nominal)				3/4 (Nominal)					
Drain Pipe		Diameter(OD)	mm	24				26					
Dimensions without Packing(HxWxD)		Main Unit	mm	280x574x574	280x574x574	280x574x574	280x574x574	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844
		Panel	mm	65x720x720	65x720x720	65x720x720	65x720x720	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950
Dimensions with Packing (HxWxD)		Main Unit	mm	394x790x675	394x790x675	394x790x675	394x790x675	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910
		Panel	mm	126x790x800	126x790x800	126x790x800	126x790x800	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035
Net Weight		Main Unit	Kg	18	19	19	19	32	32	32	35	35	35
		Panel	Kg.	3	3	3		5	5	5	5	5	5
Gross Weight		Kg	Kg	22	23	23	23	37	37	37	40	40	40
		Panel		5	5	5	5	8	8	8	8	8	8

Data are based on :

1.Cooling Mode:(2 & 4-pipe): Entering air temperature 27 o CDB/19 o CWB; entering/leaving water temperature 7 o C/12 o C

2. Heating Mode (2-pipe):Entering Air temperature 20 o C;entering water temperature 50 oC;water flow rate same as cooling mode.

3. Heating Mode(4-pipe):Entering air temperature 20o C;entering water temperature 70 o C;water temeperature difference 10 K

4. Water pressure drops shown are measured without valve.

Product Specifications : EC Motor Cassette (4-Pipe)

Fan Coil Type				4-Pipe Type									
Model				LKA10MRVC/H-CWZ	LKA13MRVC/H-CWZ	LKA18MRVC/H-CWZ	LKA24MRVC/H-CWZ	LKA30MRVC/H-CWZ	LKA32MRVC/H-CWZ	LKA36MRVC/H-CWZ	LKA42MRVC/H-CWZ	LKA48MRVC/H-CWZ	LKA60MRVC/H-CWZ
Air Flow		Turbo Speed	l/s	200	160	210	215	360	400	460	462	480	490
		High Speed	l/s	155	140	180	210	290	340	400	415	450	470
		Medium Speed	l/s	120	110	150	175	220	270	350	357	380	425
		Low Speed	l/s	95	80	115	140	180	220	280	297	345	370
		Quiet	l/s	70	50	85	95	90	130	190	197	240	280
COOLING MODE	Turbo Speed	Total Cooling Capacity	Kw	2.50	2.85	3.53	3.60	6.70	7.26	8.06	9.87	10.40	10.52
		Sensible Cooling Capacity	Kw	2.02	2.1	2.7	2.75	5.37	5.85	6.58	7.30	7.77	7.83
		Water Flow Rate	l/s	0.119	0.136	0.168	0.172	0.319	0.346	0.385	0.471	0.497	0.503
		Pressure Drop	kPa	21	9.4	12.8	13.30	17.30	19	21.8	24.0	26.5	27.0
	High Speed	Total Cooling Capacity	Kw	2.04	2.52	3.14	3.50	5.60	6.40	7.38	9.05	9.70	10.20
		Sensible Cooling Capacity	Kw	1.60	1.82	2.36	2.67	4.4	5.12	5.97	6.60	7.16	7.57
		Water Flow Rate	l/s	0.097	0.12	0.15	0.167	0.267	0.305	0.352	0.432	0.464	0.486
		Pressure Drop	kPa	16	7.80	10.8	12.70	15.2	16.5	19.5	21.0	24.0	25.5
		Water Content	l	0.46	0.86	0.86	0.86	1.76	1.76	1.76	2.55	2.55	2.55
Heating Mode	Turbo Speed	Total Heating Capacity	Kw	1.70	3.67	4.15	4.20	5.72	6.12	6.77	8.15	8.50	8.60
		Water Flow Rate	l/s	0.04	0.089	0.10	0.102	0.14	0.15	0.165	0.198	0.207	0.21
		Pressure Drop	kPa	14.3	17.3	20.5	21.2	15.2	17.3	20.5	18.8	21.0	21.0
	High Speed	Total Heating Capacity	Kw	1.43	3.00	3.70	4.10	4.85	5.50	6.25	7.60	8.00	8.37
		Water Flow Rate	l/s	0.035	0.073	0.090	0.099	0.118	0.134	0.153	0.186	0.195	0.204
		Water Pressure Drop	kPa	10.2	13.1	17.8	20	11.3	14.2	18	16.7	18.2	20.00
		Water Content	L	0.11	0.22	0.22	0.22	0.45	0.45	0.45	0.54	0.54	0.54
Noise	Sound Pressure Levels	Turbo Speed	dB(A)	43	41	46	47	40	41	45	43	45	45
		High Speed	dB(A)	40	39	43	45	35	38	42	41	43	44
		Medium Speed	dB(A)	36	36	40	43	31	34	39	38	40	42
		Low Speed	dB(A)	33	33	37	39	28	30	34	36	38	39
		Quiet Speed	dB(A)	30	31	34	35	22	25	28	31	33	35
Electricity	Power Input	Turbo Speed	W	61	41	46	75	54	67	90	110	116	120
		High Speed	W	39	39	43	69	34	49	70	81	98	112
	Current Input	Turbo Speed	A	0.51	0.38	0.60	0.63	0.51	0.61	0.81	0.80	0.92	0.96
		High Speed	A	0.34	0.3	0.46	0.59	0.35	0.47	0.64	0.66	0.77	0.87
	Power	Supply	V	220-240/1/50 Hz									
Pipe Connection		Diameter, Cooling	In.	3/4 (Nominal)				1 (Nominal)					
		Diameter, Heating	In.	1/2 (Nominal)				3/4 (Nominal)					
Drain Pipe		Diameter (OD)	mm	24				26					
Dimensions without Packing(HxWxD)		Main Unit	mm	280x574x574	280x574x574	280x574x574	280x574x574	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844
		Panel	mm	65x720x720	65x720x720	65x720x720	65x720x720	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950
Dimensions with Packing(HxWxD)		Main Unit	mm	394x790x675	394x790x675	394x790x675	394x790x675	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910
		Panel	mm	126x790x800	126x790x800	126x790x800	126x790x800	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035
Net Weight		Main Unit	Kg.	18	19	19	19	32	32	32	35	35	35
		Panel	Kg.	3	3	3	3	5	5	5	5	5	5
Gross Weight		Kg	Kg.	22	23	23	23	37	37	37	40	40	40
		Panel		5	5	5	5	8	8	8	8	8	8

Data are based on :

1.Cooling Mode:(2 & 4-pipe): Entering air temperature 27 o CDB/19 o CWB; entering/leaving water temperature 7 o C/12 o C

2. Heating Mode (2-pipe):Entering Air temperature 20 o C;entering water temperature 50 oC;water flow rate same as cooling mode.

3. Heating Mode(4-pipe):Entering air temperature 20o C;entering water temperature 70 o C;water temeperature difference 10 K

4. Water pressure drops shown are measured without valve.

Product Specifications: Hydronic Cassette with PSC Motor (2-Pipe)

Pipe Arrangement				2-Pipe Type									
Model				LKA910MPVC/H-CWZ	LKA913MPVC/H-CWZ	LKA918MPVC/H-CWZ	LKA924MPVC/H-CWZ	LKA930MPVC/H-CWZ	LKA932MPVC/H-CWZ	LKA936MPVC/H-CWZ	LKA942MPVC/H-CWZ	LKA948MPVC/H-CWZ	LKA980MPVC/H-CWZ
Air Flow		Turbo	l/s	175	150	210	225	283	316	392	420	478	510
		High	l/s	140	115	170	210	226	283	344	374	412	478
		Medium	l/s	114	100	110	170	170	226	288	325	334	412
		Low	l/s	94	60	80	110	104	170	226	260	260	334
COOLING MODE	Turbo Speed	Total Capacity	Kw	2.07	3.15	4.18	4.41	6.20	6.86	8.15	9.94	11.16	12.04
		Sensible Capacity	Kw	1.63	2.22	3.09	3.29	4.40	5.00	6.02	7.08	8.00	9.09
		Water Flow Rate	l/h	0.099	0.150	0.200	0.210	0.296	0.328	0.389	0.474	0.532	0.575
		Pressure Drop	kPa	16.5	10.8	16.4	17.8	14.3	17.0	22.0	22.7	28.0	32.0
	High Speed	Total Capacity	Kw	1.80	2.65	3.43	4.18	5.25	6.20	7.32	8.92	9.80	11.16
		Sensible Capacity	Kw	1.40	1.80	2.46	3.09	3.60	4.40	5.35	6.30	7.00	8.00
		Water Flow Rate	l/h	0.086	0.126	0.164	0.200	0.250	0.296	0.350	0.425	0.467	0.532
		Pressure Drop	kPa	13.3	8.6	12.3	16.4	11.0	14.3	18.8	17.2	22.0	28.0
		Water Content	l	0.56	1.06	1.06	1.06	2.12	2.12	2.12	2.99	2.99	2.99
Heating Mode	Turbo Speed	Heating Capacity	Kw	2.77	3.90	5.27	5.59	7.4	8.10	9.85	11.8	13.34	14.37
		Water Pressure Drop		14.3	9.2	15	16.2	12.5	15.8	20.0	20.0	24.5	29.0
	High Speed	Heating Capacity	Kw	2.40	3.19	4.26	5.27	6.15	7.40	8.85	10.58	11.67	13.34
		Water Pressure Drop		12.0	6.8	11.0	15.0	9.7	12.5	16.6	16.0	19.0	24.5
		Water Content		0.56	1.06	1.06	1.06	2.12	2.12	2.12	2.99	2.99	2.99
Noise	Sound Pressure Levels	Turbo Speed	dB(A)	43	43	48	50	41	43	46	47	50	53
		High Speed	dB(A)	42	39	43	48	38	41	44	44	46	50
		Medium Speed	dB(A)	36	37	37	43	36	38	42	42	40	46
		Low Speed	dB(A)	34	33	33	37	33	36	39	37	37	40
Electricity	Power Input	Turbo Speed	W	85	74	132	153	108	124	150	185	225	255
		High Speed	W	70	56	94	132	88	108	134	162	190	225
	Current Input	Turbo Speed	A	0.39	0.34	0.62	0.73	0.49	0.56	0.69	0.84	1.04	1.18
		High Speed	A	0.33	0.27	0.45	0.62	0.40	0.49	0.62	0.73	0.88	1.04
	Power	Supply		220-240/1/50 Hz									
Pipe Connection		Diameter	In.	3/4 (Nominal)				1 (Nominal)					
Drain Pipe Connection		Outside Diameter	mm	24				26					
Dimensions without Packing(HxWxD)		Main Unit	mm	280x574x574	280x574x574	280x574x574	280x574x574	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844
		Panel	mm	65x720x720	65x720x720	65x720x720	65x720x720	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950
Dimensions with Packing(HxWxD)		Main Unit	mm	394x790x675	394x790x675	394x790x675	394x790x675	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910
		Panel	mm	126x790x800	126x790x800	126x790x800	126x790x800	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035
Net Weight		Main Unit	Kg.	18	19	19	19	32	32	32	35	35	35
		Panel	Kg.	3	3	3	3	5	5	5	5	5	5
Gross Weight		Kg	Kg.	22	23	23	23	37	37	37	40	40	40
		Panel	Kg.	5	5	5	5	8	8	8	8	8	8

Note : A-Cooling Capacity:Entering Air Temperature 27 o CDB/19 oCWB .Entering/Leaving water Temperatures: 7 o C/ 12 o C

B- Heating mode: Entering Air temperature 20 o C ,Entering water temperature 50 o C, water flow rate is the same as cooling mode.

C-Heating Mode : Enetring air temperature 20 o C,entering watertemperature 70 oC ,water temperature difference =10o

K-Water pressure drops shown are taken without control valve.

Product Specifications: Hydronic Cassette with PSC Motor (4-Pipe)

Pipe Arrangement				4-Pipe Type									
Model				LKA910MRVC/H-CWZ	LKA913MRVC/H-CWZ	LKA918MRVC/H-CWZ	LKA924MRVC/H-CWZ	LKA930MRVC/H-CWZ	LKA932MRVC/H-CWZ	LKA936MRVC/H-CWZ	LKA942MRVC/H-CWZ	LKA948MRVC/H-CWZ	LKA960MRVC/H-CWZ
Air Flow		Turbo	l/s	175	150	210	225	283	316	392	420	478	510
		High	l/s	140	115	170	210	226	283	344	374	412	478
		Medium	l/s	114	100	110	170	170	226	288	325	334	412
		Low	l/s	94	60	80	110	104	170	226	260	260	334
COOLING MODE	Turbo Speed	Total Capacity	Kw	1.87	2.64	3.53	3.72	5.18	5.70	6.74	8.71	9.72	10.47
		Sensible Capacity	Kw	1.49	1.94	2.69	2.87	4.08	4.53	5.44	6.42	7.26	7.83
		Water Flow Rate	l/h	0.089	0.126	0.168	0.178	0.247	0.272	0.322	0.415	0.464	0.500
		Pressure Drop,cooling	kPa	15	13.3	19	20.8	12.9	14.3	17.5	19.5	23.5	26.5
	High Speed	Total Capacity	Kw	1.61	2.21	2.88	3.53	4.41	5.18	6.08	7.83	8.54	9.72
		Sensible Capacity	Kw	1.27	1.57	2.14	2.69	3.39	4.08	4.87	5.72	6.30	7.26
		Water Flow Rate	l/h	0.077	0.105	0.137	0.168	0.21	0.247	0.290	0.374	0.407	0.464
		Pressure Drop,cooling	kPa	10.5	10.5	14.9	19	10.7	12.9	15.5	16.4	19.0	23.5
		Water Content	l	0.46		0.86			1.76			2.55	
Heating Mode	Turbo Speed	Heating Capacity	Kw	1.45	3.14	4.12	4.35	5.09	5.54	6.44	7.66	8.38	8.88
		Water Flow Rate,heating		0.035	0.076	0.10	0.106	0.124	0.135	0.157	0.187	0.204	0.21
		Pressure Drop,heating		10	14	20.5	22	12.5	14.4	18.7	17.0	20.5	22.0
	High Speed	Heating Capacity	Kw	1.29	2.65	3.40	4.12	4.42	5.09	5.88	7.05	7.56	8.38
		Water Flow Rate		0.03	0.064	0.083	0.100	0.108	0.124	0.14	0.172	0.184	0.204
		Water Pressure Drop		7.9	11	16.0	20.5	9.6	12.5	16.0	14.5	16.8	20.5
		Water Content		0.11		0.22			0.45			0.54	
Noise	Sound Pressure Levels	Turbo Speed	dB(A)	43	43	48	50	41	43	46	47	50	53
		High Speed	dB(A)	42	39	43	48	38	41	44	44	46	50
		Medium Speed	dB(A)	36	37	37	43	36	38	42	42	40	48
		Low Speed	dB(A)	34	33	33	37	33	36	39	37	37	40
Electricity	Power Input	Turbo Speed	W	85	74	132	153	108	124	150	185	225	255
		High Speed	W	70	56	94	132	88	108	134	162	190	225
	Current Input	Turbo Speed	A	0.39	0.34	0.62	0.73	0.49	0.56	0.69	0.84	1.04	1.18
		High Speed	A	0.33	0.27	0.45	0.62	0.40	0.49	0.62	0.73	0.88	1.04
	Power	Supply		220-240/1/50 Hz									
Pipe Connection		Diameter,cooling	In.	3/4 (Nominal)				1 (Nominal)					
		Diameter,heating	In.	1/2 (Nominal)				3/4 (Nominal)					
Drain Pipe Connection		Outside Diameter	mm	24				26					
Dimensions without Packing(HxWxD)		Main Unit	mm	280x574x574	280x574x574	280x574x574	280x574x574	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844	320x844x844
		Panel	mm	65x720x720	65x720x720	65x720x720	65x720x720	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950	67x950x950
Dimensions with Packing(HxWxD)		Main Unit	mm	394x790x675	394x790x675	394x790x675	394x790x675	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910	400x910x910
		Panel	mm	126x790x800	126x790x800	126x790x800	126x790x800	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035	156x1030x1035
Net Weight		Main Unit	Kg.	18	19	19	19	32	32	32	35	35	35
		Panel	Kg.	3	3	3	3	5	5	5	5	5	5
Gross Weight		Main Unit	Kg.	22	23	23	37	37	37	37	40	40	40
		Panel	Kg.	5	5	5	5	8	8	8	8	8	8

Note : A- Cooling Capacity:Entering Air Temperature 27 o CDB/19 oCWB .Entering/Leaving water Temperatures: 7 o C/ 12 o C

B- Heating mode: Entering Air temperature 20 o C ,Entering water temperature 50 o C, water flow rate is the same as cooling mode.

C- Heating Mode : Enetring air temperature 20 o C,entering watertemperature 70 oC ,water temperature difference =10o

K-Water pressure drops shown are taken without control valve.