

HSK®

HIGH PRESSURE
FANCOIL UNITS

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“Powered by its Quality”



HIGH PRESSURE FANCOIL

HSK High Pressure Fancoils take care of the heating, cooling, and ventilation requirements of residences, hotels, restaurants, shops, offices and other structures economically and safely, due to their superior performance.



GENERAL SPECIFICATIONS

- it is produced as 5 different models.
- flow capacity between 800 m³/h - 4750 m³/h,
- Special design fans and device structure with a pressure capacity between 95 Pa - 260 Pa,
- cooling capacity between 5,3 kW - 25,3 kW (in a water regime of 7-12 °C)*
- heating capacity between 13,9 kW - 68,9 kW (in a water regime of 90-70 °C)*
- has options complying with 2 pipe and 4 pipe system, is designed so that it can be connected to the channel, and is used in applications at the attic.
- it is produced from 1 mm galvanized sheet, and has a resistant, special form of body structure.
- With its special fan and section interior structure, it provides a low sound pressure level.
- It has removable and washable filters with a long service life, which can be removed and replaced easily during maintenance works done by the operator.
- It has an easily accessible purger layout.
- It has its own motor, and double suction fans. Since the motors are coupled directly to the fan, it does not prevent the fan suction and causes no additional loss of pressure.
- The motors are 3 speed, and support cycle control.
- All models have a standard condensation pan and a drop pan which has been placed under the value.
- The electrical connections diagram and connection box (plastic/metal) are located on the body as a standard.

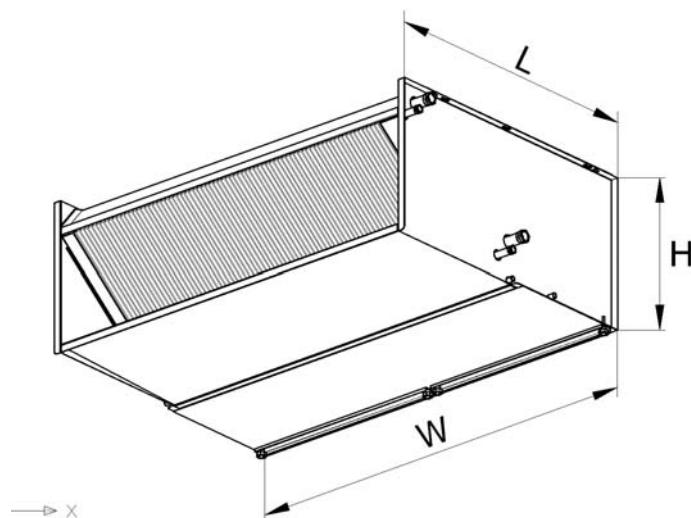
* The capacity values for the 2 pipe and 4 pipe systems in the different water regime can be found in the catalogue charts as 7-12 °C, 9-14 °C, 11-15 °C for cooling, and 70-50 °C, 80-60 °C, 90-70 °C for heating.

ACCESSORIES

- Thermostats suitable for wall installation above or under mortar,
- distribution box with 3 - 5 outlets,
- 2- or 3-way motor valves with On / Off and ratio control,
- Speed setting switch with 3 speed settings,

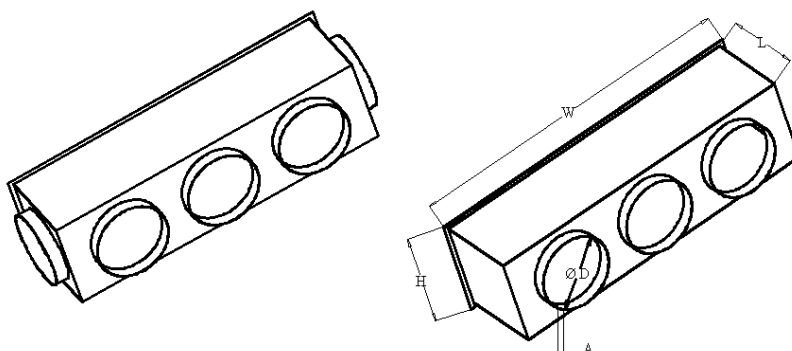


DIMENSIONS



HSK HIGH PRESSURE FANCOIL DIMENSIONS

(2) / (4) PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
DIMENSIONS	WIDTH = (w)	(mm)	HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
	LENGTH = (L)		1388	1388	1388	1388	1388
	HEIGHT= (H)		640	770	770	970	970
			320	375	375	500	500



HSK HIGH PRESSURE FANCOIL DISTRIBUTION BOX DIMENSIONS

3-5 OUTLET DISTRIBUTION BOX DIMENSIONS			MODEL				
DIMENSIONS	WIDTH = (w)	(mm)	HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
	LENGTH = (L)	(mm)	1388	1388	1388	1388	1388
	HEIGHT= (H)	(mm)	320	375	375	500	500
	Diameter = (ØD)	(mm)	255	310	310	407	407
	FLANGE = (A)	(mm)	203	254	254	356	356
			55	55	55	55	55

HSK is entitled to make changes on the technical specifications of the products due to continuous product development operations.

Cooling Capacity

2 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)		LOW CYCLE	800	1250	1875	2515	2550
		MODERATE CYCLE	1250	1875	2515	3260	3650
		HIGH CYCLE	1700	2500	3150	4000	4750
COOLING CAPACITY (7-12°C)	TOTAL	LOW CYCLE	4597	6421	8573	12692	13998
		MODERATE CYCLE	6467	8573	10453	15260	18151
		HIGH CYCLE	8066	10412	12093	17545	21747
		LOW CYCLE	5.3	7.5	10.0	14.8	16.3
		MODERATE CYCLE	7.5	10.0	12.2	17.7	21.1
		HIGH CYCLE	9.4	12.1	14.1	20.4	25.3
	SENSIBLE	LOW CYCLE	3075	4396	6009	8721	9454
		MODERATE CYCLE	4421	6009	7464	10645	12510
		HIGH CYCLE	5612	7432	8767	12397	15238
		LOW CYCLE	3.6	5.1	7.0	10.2	11.0
		MODERATE CYCLE	5.1	7.0	8.7	12.4	14.6
		HIGH CYCLE	6.5	8.7	10.2	14.4	17.7
COOLING CAPACITY (9-14°C)	TOTAL	LOW CYCLE	3624	5114	6807	10002	10975
		MODERATE CYCLE	5099	6807	8278	12002	14325
		HIGH CYCLE	6348	8246	9557	13775	17112
		LOW CYCLE	4.2	6.0	7.9	11.6	12.8
		MODERATE CYCLE	5.9	7.9	9.6	14.0	16.7
		HIGH CYCLE	7.4	9.6	11.1	16.0	19.9
	SENSIBLE	LOW CYCLE	2624	3786	5170	7450	8013
		MODERATE CYCLE	3778	5170	6415	9089	10702
		HIGH CYCLE	4793	6387	7527	10576	13017
		LOW CYCLE	3.1	4.4	6.0	8.7	9.3
		MODERATE CYCLE	4.4	6.0	7.5	10.6	12.5
		HIGH CYCLE	5.6	7.4	8.8	12.3	15.2
COOLING CAPACITY (11-15°C)	TOTAL	LOW CYCLE	3134	4385	5834	8620	9444
		MODERATE CYCLE	4396	5834	7095	10340	12325
		HIGH CYCLE	5468	7068	8194	11867	14726
		LOW CYCLE	3.6	5.1	6.8	10.0	11.0
		MODERATE CYCLE	5.1	6.8	8.3	12.0	14.3
		HIGH CYCLE	6.4	8.2	9.5	13.8	17.1
	SENSIBLE	LOW CYCLE	2445	3513	4808	6944	7443
		MODERATE CYCLE	3520	4808	5978	8483	9964
		HIGH CYCLE	4471	5953	7029	9886	12145
		LOW CYCLE	2.8	4.1	5.6	8.1	8.7
		MODERATE CYCLE	4.1	5.6	7.0	9.9	11.6
		HIGH CYCLE	5.2	6.9	8.2	11.5	14.1

Summer Operation condition: Air flow temperature at 27 °C, 50% RH

2 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)		LOW CYCLE	800	1250	1875	2515	2550
		MODERATE CYCLE	1250	1875	2515	3260	3650
		HIGH CYCLE	1700	2500	3150	4000	4750
COOLING WATER FLOW (7-12°C)		LOW CYCLE	918	1280	1710	2530	2800
		MODERATE CYCLE	1290	1710	2090	3050	3620
		HIGH CYCLE	1610	2080	2420	3500	4340
		LOW CYCLE	939	1309	1749	2587	2864
		MODERATE CYCLE	1319	1749	2137	3119	3702
		HIGH CYCLE	1647	2127	2475	3579	4439
COOLING WATER FLOW (9-14°C)		LOW CYCLE	725	1020	1360	2000	2190
		MODERATE CYCLE	1020	1360	1650	2400	2860
		HIGH CYCLE	1270	1650	1910	2750	3420
		LOW CYCLE	741	1043	1391	2045	2240
		MODERATE CYCLE	1043	1391	1687	2454	2925
		HIGH CYCLE	1299	1687	1953	2812	3498
COOLING WATER FLOW (11-15°C)		LOW CYCLE	784	1100	1460	2160	2360
		MODERATE CYCLE	1100	1460	1770	2590	3080
		HIGH CYCLE	1370	1770	2050	2970	3680
		LOW CYCLE	801	1125	1493	2209	2414
		MODERATE CYCLE	1125	1493	1810	2649	3150
		HIGH CYCLE	1401	1810	2097	3037	3764
COOLING WATER PRESSURE LOSS (7-12°C)		LOW CYCLE	9.2	22	36	21	26
		MODERATE CYCLE	16	36	50	30	40
		HIGH CYCLE	25	51	65	39	55
		LOW CYCLE	0.9	2.2	3.7	2.1	2.7
		MODERATE CYCLE	1.6	3.7	5.1	3.1	4.1
		HIGH CYCLE	2.6	5.2	6.6	4.0	5.6
COOLING WATER PRESSURE LOSS (9-14°C)		LOW CYCLE	5.7	14	23.1	11.7	13.7
		MODERATE CYCLE	10.4	23.1	32.7	16.1	21.9
		HIGH CYCLE	15.2	32.4	42.1	20.5	30
		LOW CYCLE	0.6	1.4	2.4	1.2	1.4
		MODERATE CYCLE	1.1	2.4	3.3	1.6	2.2
		HIGH CYCLE	1.6	3.3	4.3	2.1	3.1
COOLING WATER PRESSURE LOSS (11-15°C)		LOW CYCLE	6.4	15.7	25.9	13.2	15.5
		MODERATE CYCLE	11.7	25.9	36.6	18.2	24.7
		HIGH CYCLE	17.2	36.3	47.1	23.1	33.8
		LOW CYCLE	0.7	1.6	2.6	1.3	1.6
		MODERATE CYCLE	1.2	2.6	3.7	1.9	2.5
		HIGH CYCLE	1.8	3.7	4.8	2.4	3.5

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Heating Capacity



2 PIPE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
HEATING CAPACITY (70-50°C)	LOW CYCLE	(Kcal/h)	7788	10637	14346	21701	23902
	MODERATE CYCLE		11030	14345	17671	26301	31365
	HIGH CYCLE		13878	17596	20634	30477	38002
	LOW CYCLE	(Kw)	9.1	12.4	16.7	25.2	27.8
	MODERATE CYCLE		12.8	16.7	20.5	30.6	36.5
	HIGH CYCLE		16.1	20.5	24.0	35.4	44.2
HEATING CAPACITY (80-60°C)	LOW CYCLE	(Kcal/h)	9902	13532	18345	27775	30480
	MODERATE CYCLE		14102	18352	22697	33800	40243
	HIGH CYCLE		17827	22605	26603	39305	49007
	LOW CYCLE	(Kw)	11.5	15.7	21.3	32.3	35.4
	MODERATE CYCLE		16.4	21.3	26.4	39.3	46.8
	HIGH CYCLE		20.7	26.3	30.9	45.7	57.0
HEATING CAPACITY (90-70°C)	LOW CYCLE	(Kcal/h)	11900	16264	22100	33484	36673
	MODERATE CYCLE		16992	22100	27379	40807	48528
	HIGH CYCLE		21517	27261	32120	47502	59193
	LOW CYCLE	(kW)	13.9	18.9	25.7	39.0	42.7
	MODERATE CYCLE		19.8	25.7	31.9	47.5	56.5
	HIGH CYCLE		25.0	31.7	37.4	55.3	68.9

Winter Operation condition: Air flow temperature at 20 °C, 80% RH

2 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
HEATING WATER FLOW (70-50°C)	LOW CYCLE	(l/h)	381	519	701	1061	1169
	MODERATE CYCLE		539	701	864	1285	1534
	HIGH CYCLE		678	860	1008	1490	1859
	LOW CYCLE	(kg/h)	390	532	718	1087	1198
	MODERATE CYCLE		552	718	885	1317	1572
	HIGH CYCLE		695	881	1033	1527	1905
HEATING WATER FLOW (80-60°C)	LOW CYCLE	(l/h)	483	693	938	1420	1560
	MODERATE CYCLE		688	940	1160	1730	2060
	HIGH CYCLE		869	1160	1360	2010	2510
	LOW CYCLE	(kg/h)	495	709	960	1453	1596
	MODERATE CYCLE		704	962	1187	1770	2108
	HIGH CYCLE		890	1187	1392	2057	2568
HEATING WATER FLOW (90-70°C)	LOW CYCLE	(l/h)	611	836	1140	1720	1880
	MODERATE CYCLE		873	1140	1410	2100	2490
	HIGH CYCLE		1110	1400	1650	2440	3040
	LOW CYCLE	(kg/h)	625	854	1166	1759	1923
	MODERATE CYCLE		893	1166	1442	2148	2547
	HIGH CYCLE		1135	1432	1687	2495	3109
HEATING WATER PRESSURE LOSS (70-50°C)	LOW CYCLE	(mSS)	0.23	0.36	0.61	0.38	0.46
	MODERATE CYCLE		0.43	0.61	0.88	0.54	0.74
	HIGH CYCLE		0.65	0.88	1.16	0.70	1.05
	LOW CYCLE	(kPa)	2.24	3.53	6.00	3.75	4.47
	MODERATE CYCLE		4.21	6.00	8.67	5.29	7.27
	HIGH CYCLE		6.39	8.60	11.42	6.90	10.25
HEATING WATER PRESSURE LOSS (80-60°C)	LOW CYCLE	(mSS)	0.24	0.57	0.96	0.60	0.71
	MODERATE CYCLE		0.46	0.97	1.41	0.86	1.17
	HIGH CYCLE		0.69	1.40	1.86	1.13	1.67
	LOW CYCLE	(kPa)	2.40	5.54	9.46	5.93	6.99
	MODERATE CYCLE		4.47	9.50	13.78	8.42	11.50
	HIGH CYCLE		6.78	13.71	18.26	11.03	16.38
HEATING WATER PRESSURE LOSS (90-70°C)	LOW CYCLE	(kPa)	3.02	7.04	12.08	6.42	7.54
	MODERATE CYCLE		5.66	12.08	17.61	9.10	12.34
	HIGH CYCLE		8.57	17.47	23.32	11.88	17.51
	LOW CYCLE	(mSS)	0.31	0.72	1.23	0.65	0.77
	MODERATE CYCLE		0.58	1.23	1.80	0.93	1.26
	HIGH CYCLE		0.87	1.78	2.38	1.21	1.79

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2 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
PRESSURE LOSS OUTSIDE THE UNIT	HIGH CYCLE	(Pa)	95	153	175	239	260
ENGINE POWER (PIECE X POWER)	—	(W)	375	420	600	746	746
SOUND POWER LEVEL	HIGH CYCLE	(dBA)	56.5	58.5	61.5	63.5	65.5
SOUND PRESSURE LEVEL	HIGH CYCLE	(dBA)	45	47	50	52	54
VOLTAGE	—	(v)	230	230	230	230	230
FREQUENCY	—	(Hz)	50	50	50	50	50
PIPE DIAMETERS	INLET-OUTLET	mm	33,2 / 33,2	33,2 / 33,2	33,2 / 33,2	33,2 / 33,2	33,2 / 33,2
WEIGHT	—	(Kg)	34	44	46	65	71

Sound pressure level applies for 1 m distance at open areas.

4 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
HEATING CAPACITY (70-50°C)	LOW CYCLE	(Kcal/h)	3550	4850	6262	8079	9434
	MODERATE CYCLE		4734	6261	7493	9642	11968
	HIGH CYCLE		5733	7465	8569	11005	14113
	LOW CYCLE	(kW)	4.1	5.6	7.3	9.4	11.0
	MODERATE CYCLE		5.5	7.3	8.7	11.2	13.9
	HIGH CYCLE		6.7	8.7	10.0	12.8	16.4
HEATING CAPACITY (80-60°C)	LOW CYCLE	(Kcal/h)	4606	6268	8131	11518	13268
	MODERATE CYCLE		6171	8129	9764	13612	16726
	HIGH CYCLE		7501	9770	11246	15535	19795
	LOW CYCLE	(kW)	5.4	7.3	9.5	13.4	15.4
	MODERATE CYCLE		7.2	9.5	11.4	15.8	19.4
	HIGH CYCLE		8.7	11.4	13.1	18.1	23.0
HEATING CAPACITY (90-70°C)	LOW CYCLE	(Kcal/h)	5596	7597	9862	14527	14593
	MODERATE CYCLE		7536	9897	11888	17209	21108
	HIGH CYCLE		9164	11844	13640	19538	24853
	LOW CYCLE	(kW)	6.5	8.8	11.5	16.9	17.0
	MODERATE CYCLE		8.8	11.5	13.8	20.0	24.6
	HIGH CYCLE		10.7	13.8	15.9	22.7	28.9

Winter Operation condition: Air flow temperature at 20 °C, 80% RH

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4 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
HEATING WATER FLOW (70-50°C)	LOW CYCLE	(l/h)	173.7	237.2	305.5	394.3	460.7
	MODERATE CYCLE		231.3	305.5	366.0	470.4	585.6
	HIGH CYCLE		280.1	365.0	418.7	537.8	690.0
	LOW CYCLE	(kg/h)	178.0	243.0	313.0	404.0	472.0
	MODERATE CYCLE		237.0	313.0	375.0	482.0	600.0
	HIGH CYCLE		287.0	374.0	429.0	551.0	707.0
HEATING WATER FLOW (80-60°C)	LOW CYCLE	(l/h)	234	306	397	563	648
	MODERATE CYCLE		316	397	477	665	816
	HIGH CYCLE		364	480	552	760	969
	LOW CYCLE	(kg/h)	239	313	406	576	663
	MODERATE CYCLE		323	406	488	680	835
	HIGH CYCLE		377	491	565	777	991
HEATING WATER FLOW (90-70°C)	LOW CYCLE	(l/h)	288	390	507	746	750
	MODERATE CYCLE		387	509	611	884	1080
	HIGH CYCLE		471	608	701	1000	1280
	LOW CYCLE	(kg/h)	294	399	518	763	767
	MODERATE CYCLE		396	520	624	904	1105
	HIGH CYCLE		482	622	717	1023	1309
HEATING WATER PRESSURE LOSS (70-50°C)	LOW CYCLE	(kPa)	2.7	6.2	9.7	1.2	1.6
	MODERATE CYCLE		4.5	9.7	13.4	1.7	2.5
	HIGH CYCLE		6.3	13.3	17.0	2.2	3.4
	LOW CYCLE	(mSS)	0.3	0.6	1.0	0.1	0.2
	MODERATE CYCLE		0.5	1.0	1.4	0.2	0.3
	HIGH CYCLE		0.6	1.4	1.7	0.2	0.4
HEATING WATER PRESSURE LOSS (80-60°C)	LOW CYCLE	(kPa)	4.4	9.9	15.8	2.3	3.0
	MODERATE CYCLE		7.3	15.7	21.8	3.2	4.6
	HIGH CYCLE		10.3	22.0	28.2	4.1	6.4
	LOW CYCLE	(mSS)	0.4	1.0	1.6	0.2	0.3
	MODERATE CYCLE		0.7	1.6	2.2	0.3	0.5
	HIGH CYCLE		1.1	2.2	2.9	0.4	0.7
HEATING WATER PRESSURE LOSS (90-70°C)	LOW CYCLE	(kPa)	5.5	12.8	20.2	0.5	0.5
	MODERATE CYCLE		9.4	20.3	28.0	0.6	0.9
	HIGH CYCLE		13.2	27.9	35.7	0.8	1.2
	LOW CYCLE	(mSS)	0.6	1.3	2.1	0.05	0.05
	MODERATE CYCLE		1.0	2.1	2.9	0.1	0.1
	HIGH CYCLE		1.3	2.8	3.6	0.1	0.1

4 PIPE HIGH PRESSURE FANCOIL TECHNICAL SPECIFICATIONS			MODEL				
			HYFCU-0	HYFCU-1	HYFCU-2	HYFCU-3	HYFCU-4
AIR FLOW (m ³ /h)	LOW CYCLE	(m ³ /h)	800	1250	1875	2515	2550
	MODERATE CYCLE		1250	1875	2515	3260	3650
	HIGH CYCLE		1700	2500	3150	4000	4750
PRESSURE LOSS OUTSIDE THE UNIT	LOW CYCLE	(Pa)	85	145	165	230	250
ENGINE POWER (PIECE X POWER)	—	(W)	375	420	600	746	746
SOUND POWER LEVEL	HIGH CYCLE	(dBA)	56.5	58.5	61.5	63.5	65.5
SOUND PRESSURE LEVEL	HIGH CYCLE	(dBA)	45	47	50	52	54
VOLTAGE	—	(v)	230	230	230	230	230
FREQUENCY	—	(Hz)	50	50	50	50	50
PIPE DIAMETERS	INLET-OUTLET	mm	21,3 / 21,3	21,3 / 21,3	21,3 / 21,3	21,3 / 21,3	21,3 / 21,3
WEIGHT	—	(Kg)	38	48	50	73	81

Sound pressure level applies for 1 m distance at open areas
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“Powered by its Quality”

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