1VE/80

ventilSABIANA®

TERMINAL UNITS FOR USE AS

FAN CONVECTORS OR AIR CONDITIONING TERMINAL UNITS

IN VARIOUS MODELS

powrmatic SABIANA

ventilSABIANA®

TERMINAL UNITS FOR FAN CONVECTOR
&
AIR CONDITIONING SYSTEMS

ventilSABIANA®

The most advanced air conditioning terminal units for:

HEATING
COOLING
COMPLETE AIR CONDITIONING

Ideal for installing in

OFFICES
HOTELS
HOSPITALS
SCHOOLS
ALL COMMERCIAL APPLICATIONS

RANGE OF MODELS

EXPOSED
Floor standing or wall mounted
Front discharge (GA)
Top discharge (MV)
Ceiling unit (MO)

CONCEALED
Floor unit (IV)
Ceiling unit (IO)

OPTIONAL EXTRAS
Low temperature cutout stats
Entering air stats
Remote control stats
Fresn air dampers
Direct expansion coil

STANDARD EXTRAS FITTED

3 speed motor
Washable filters
Condensation drain
Air bleed screw

GENERAL FEATURES

ventilSABIANA Units are local air conditioners connected to piped systems suitable for all year round operation.

They allow precise individual control of heat and humidity conditions for room comfort, providing a wide and flexible range of performance with a minimun of thermal and electrical energy, while running quietly in office, hotels, hospitals, homes and schools.

The **ventilSABIANA** terminals are ideal for installing conditioner systems at low cost, in terms of both ease of installation and simplicity of operation.

In its most frequent configuration, the **ventilSABIANA** system comprises a central hot water heater (boiler), a central cold water unit (cooler) and a distribution system supplying eating and cooling liquid to the various terminal units.

In cases where control of relative humidity and change of air in the various rooms may also be required, the system described above can be combined with a separate outside fresh air distribution system; this air is appropriately treated in a special central unit and distributed through a separate duct system.

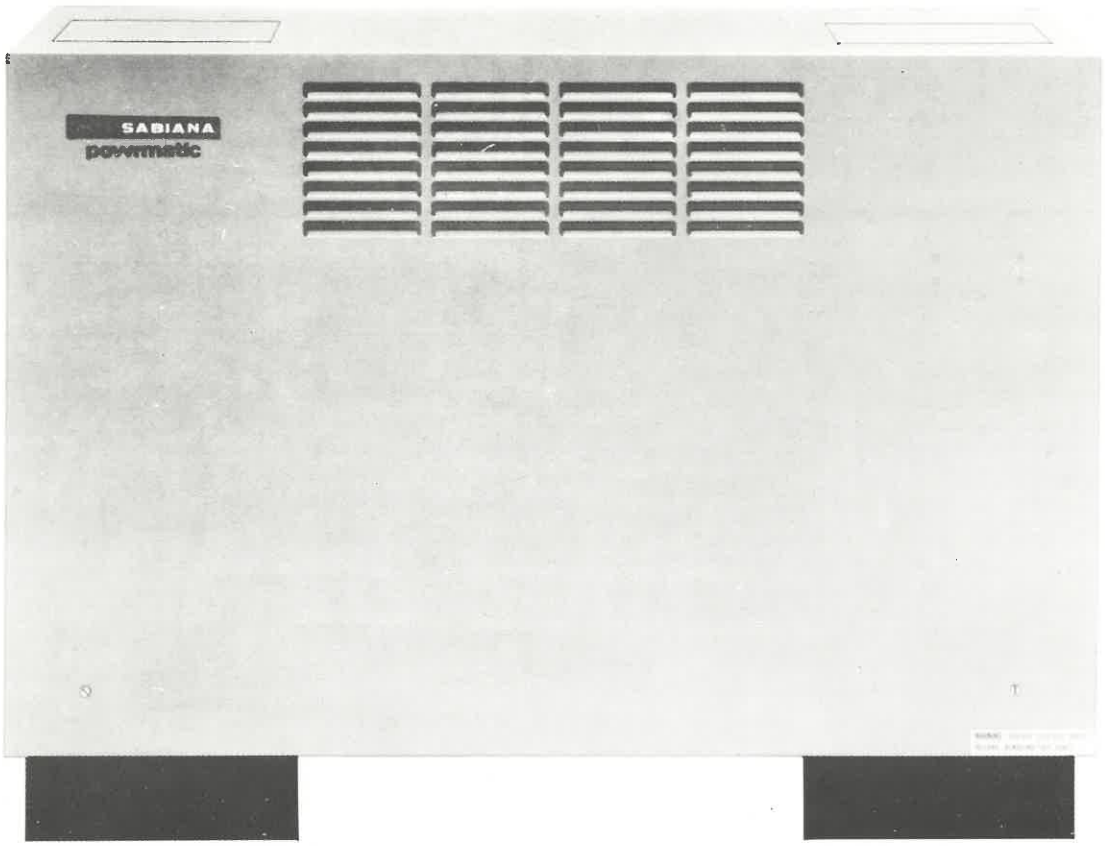
Outdoor air intake is also obtainable by means of dampers that can be manualy or automatically controlled to regulate the amount of fresh air introduced into the unit.

TECHNICAL DESCRIPTION

The components of the base **ventilSABIANA** unit consist of the exchanger, the centrifugal fan unit and the gelvanised inner partition panels and back sheet.

The exchanger is of the cooper tube type with aluminium fins expanded onto the tubes by a machine expantion process.
This has three rows in the standard version and two rows in the version for heating only, and universal ½ in. gas female couplings can be fitted, even in-situ, either to the left facing unit (the standard method) or to the right.
In the four-row version, the four-tube systems, the exchanger-for 3 rows 1 row heating has the four malethreaded gas connectors suitable for connection to copper tubing. Also 4 row coil avail; ½ BSP connections for heating only.

The exchanger manifolds are fitted with air vents and drain cocks. The centrifugal fan unit with single phase three-speed motor is hung on a vibration-damping elastic cradle; the drip tray of galvanised sheet is protected with bituminous paint.



The fan unit with the drip tray can easily be removed from the front for maintenance. The speed control switch is located under the left (or right) panel. Every unit is also fitted with terminal junctions assembled from components to connect the power supply and the room thermostat if any.

The cabinet is made of sheet steel finished in oven dried paint.
The air flow louvres in the cabinet are of the pressed grille type. The front panel can be easily removed to facilitate access to the interior.
The cabinet can be fitted with pedestals to raise it from the floor.

The air filter is of the washable type and can be easily removed for servicing.

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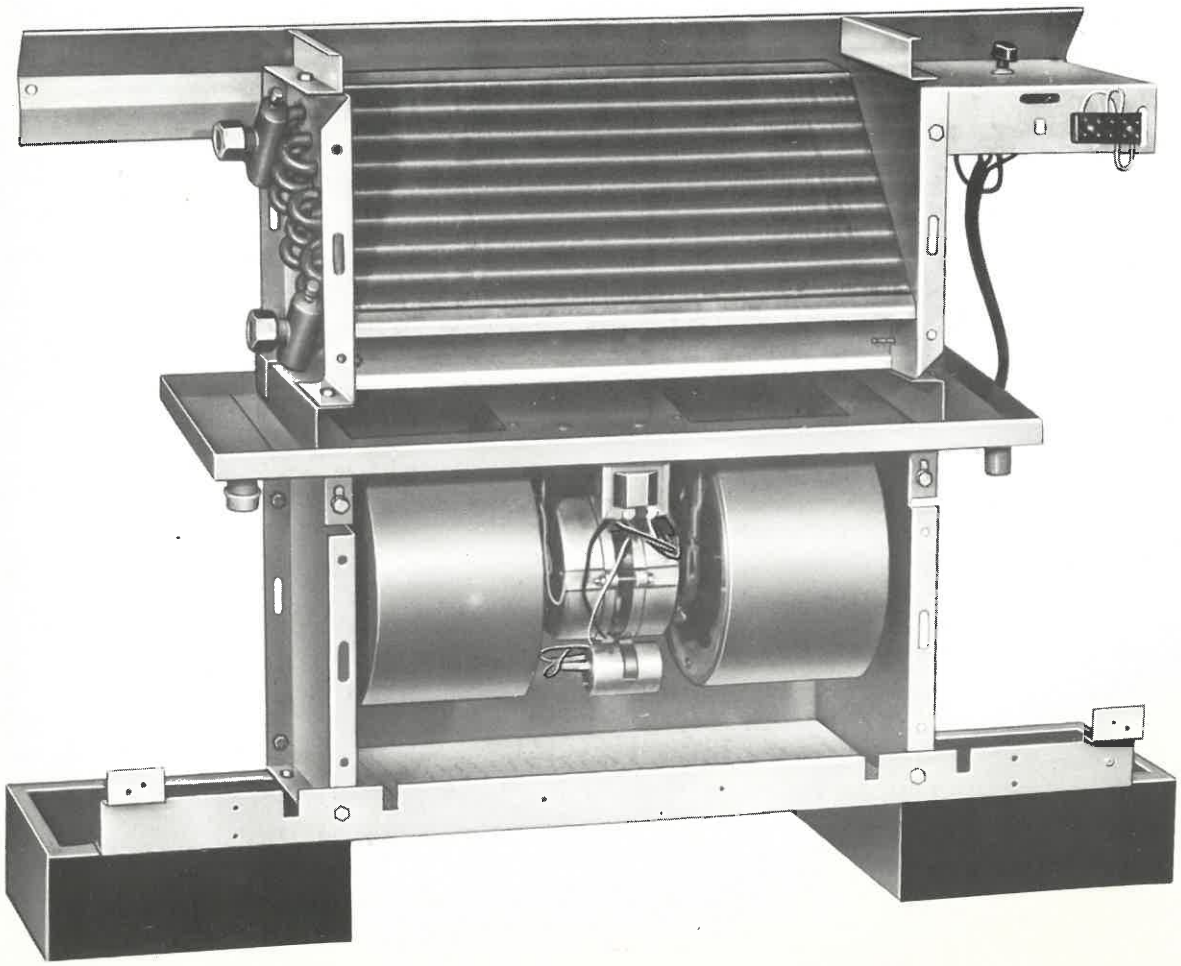
RANGE OF MODELS

The **ventilSABIANA** terminal unit series consists of four sizes. Rated air flows are from 380m³/h to 1,000 m³/h (200÷600 c.f.m.) rated appreciable cooling capacities from 1,000 to 3,000 frig/h (4,000÷12,000 Btu/h) and rated heating capacities from 3,800 to 10,400 kcal/h (13,000÷ 40,000 Btu/h). The four sizes are in the proportions of 1, 1.5, 2 and 3. The centrifugal fans in **ventilSABIANA** units are silent because of their low rotation speed, and are driven by single phase motor mounted on bearings and silent-blocks. All base units are fitted on the intake with easily replaceable air filters. The heat exchanger unit has ample trasmission surface, with high thermal efficiency and high dehumidifying capacity.
The standard models are fitted with three-row copper tube and alluminium fin exchangers. Models are also available for heating only, fitted with two-row exchangers.
Finally, units are also available with four-row exchangers, three with cold water flow and one with hot, for use with 'four-tube' systems. This type of exchangers has two completely independent 'hot' and 'cold' water circuits.



MODEL VS 202
2 ROW COIL
(heating only)

Air flow at high fan speed: 380 m³/h

Entering water temperature °C	Water flow l/h	Pressure drop m of water column	Entering air temperature °C (dry bulb) 22° CS	20° CS	18° CS	16° CS
50°	175	0,3	1300	1400	1500	1550
	250	0,5	1400	1550	1650	1750
	350	0,8	1500	1650	1700	1800
60°	175	0,3	1800	1850	2000	2050
	250	0,5	2000	2100	2200	2250
	350	0,8	2100	2200	2300	2400
70°	175	0,3	2250	2350	2400	2550
	250	0,5	2500	2600	2700	2800
	350	0,8	2650	2750	2850	3000
80°	175	0,3	2750	2850	2900	3050
	250	0,5	3000	3150	3250	3350
	350	0,8	3200	3300	3450	3550
90°	175	0,3	3200	3350	3400	3500
	250	0,5	3550	3650	3750	3850
	350	0,8	3750	3900	3950	4100

MODEL VS 302
2 ROW COIL
(heating only)

Air flow at high fan speed: 540 m³/h

Entering water temperature °C	Water flow l/h	Pressure drop m of water column	Entering air temperature °C (dry bulb) 22° CS	20° CS	18° CS	16° CS
50°	250	0,7	2000	2100	2200	2350
	375	1,2	2150	2300	2450	2600
	500	2	2250	2400	2600	2750
60°	250	0,7	2600	2750	2900	3000
	375	1,2	2900	3050	3200	3350
	500	2	3050	3200	3400	3500
70°	250	0,7	3300	3450	3600	3750
	375	1,2	3650	3800	4000	4100
	500	2	3850	4000	4200	4350
80°	250	0,7	4000	4150	4250	4400
	375	1,2	4400	4550	4700	4850
	500	2	4700	4850	5000	5150
90°	250	0,7	4700	4850	5000	5150
	375	1,2	5150	5350	5450	5600
	500	2	5450	5600	5750	5950

MODEL VS 402
2 ROW COIL
(heating only)

Air flow at high fan speed: 680 m³/h

Entering water temperature °C	Water flow l/h	Pressure drop m of water column	Entering air temperature °C (dry bulb) 22° CS	20° CS	18° CS	16° CS
50°	350	1,3	2550	2700	2850	3050
	500	2,3	2750	3000	3200	3350
	700	3,8	2900	3100	3350	3550
60°	350	1,3	3450	3550	3750	3950
	500	2,3	3750	4000	4150	4350
	700	3,8	3950	4150	4350	4600
70°	350	1,3	4350	4500	4700	4850
	500	2,3	4750	5000	5150	5350
	700	3,8	5000	5250	5400	5650
80°	350	1,3	5250	5400	5600	5750
	500	2,3	5700	5950	6100	6300
	700	3,8	6050	6300	6500	6700
90°	350	1,3	6150	6350	6500	6700
	500	2,3	6750	6950	7100	7350
	700	3,8	7100	7350	7550	7750

MODEL VS 602
2 ROW COIL
(heating only)

Air flow at high fan speed: 1000 m³/h

Entering water temperature °C	Water flow l/h	Pressure drop m of water column	Entering air temperature °C (dry bulb) 22° CS	20° CS	18° CS	16° CS
50°	500	0,9	3600	3900	4150	4400
	750	1,8	3900	4250	4500	4800
	1050	3,2	4150	4400	4700	5000
60°	500	0,9	4900	5150	5400	5700
	750	1,8	5350	5650	5900	6200
	1050	3,2	5600	5800	6200	6500
70°	500	0,9	6200	6450	6750	7000
	750	1,8	6750	7100	7350	7600
	1050	3,2	7100	7400	7700	8000
80°	500	0,9	7500	7800	8050	8300
	750	1,8	8150	8450	8700	9000
	1050	3,2	8600	8900	9200	9450
90°	500	0,9	8800	9100	9300	9600
	750	1,8	9600	10000	10200	10500
	1050	3,2	10100	10400	10650	11000

CS = Sensible heat Kcal/h
At medium speed multiply by 0,9.
At low speed multiply by 0,75.

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MODEL VS 203
3 ROW COIL

Air flow at high fan speed: 380 m³/h

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	250	0,30	1160	1675	1125	1550	1100	1400	1055	1280				
		375	0,55	1250	1935	1220	1780	1175	1580	1130	1470				
		500	0,85	1300	2100	1275	1925	1225	1725	1175	1575				
	7,5°	250	0,30	1060	1400	1030	1275	1000	1125	950	1030				
		375	0,55	1130	1620	1100	1475	1075	1310	1015	1180				
		500	0,85	1190	1775	1150	1600	1125	1425	1055	1275				
	10°	250	0,30	970	1130	935	1025	880	900	795	800				
		375	0,55	1025	1310	990	1175	950	1020	880	900				
		500	0,85	1075	1425	1030	1270	975	1100	925	975				
Heating water	50°	250	0,30									1750	1900	2000	2100
		375	0,55									1900	2100	2200	2350
		500	0,85									2050	2200	2300	2450
	60°	250	0,30									2400	2500	2650	2750
		375	0,55									2650	2800	2950	3050
		500	0,85									2800	2950	3100	3250
	70°	250	0,30									3000	3150	3250	3400
		375	0,55									3350	3500	3650	3750
		500	0,85									3550	3700	3850	4000
	80°	250	0,30									3650	3800	3900	4050
		375	0,55									4050	4200	4350	4450
		500	0,85									4300	4450	4600	4750
	90°	250	0,30									4300	4450	4550	4650
		375	0,55									4750	4900	5000	5150
		500	0,85									5000	5200	5300	5450

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 303
3 ROW COIL

Air flow at high fan speed: 540 m³/h

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	375	0,7	1740	2510	1700	2330	1650	2100	1580	1920				
		550	1,2	1880	2900	1830	2670	1760	2370	1700	2200				
		750	2,0	1950	3150	1920	2880	1840	2600	1760	2360				
	7,5°	375	0,7	1590	2100	1545	1915	1500	1690	1425	1545				
		550	1,2	1700	2430	1650	2215	1630	1960	1520	1770				
		750	2,0	1785	2660	1730	2400	1690	2150	1580	1910				
	10°	375	0,7	1455	1700	1400	1540	1320	1350	1190	1200				
		550	1,2	1540	1960	1490	1760	1420	1540	1320	1350				
		750	2,0	1610	2135	1540	1905	1460	1650	1390	1460				
Heating water	50°	375	0,7									2700	2800	2950	3150
		550	1,2									2850	3050	3250	3450
		750	2,0									3000	3200	3450	3650
	60°	375	0,7									3500	3650	3900	4050
		550	1,2									3850	4100	4250	4450
		750	2,0									4100	4250	4500	4700
	70°	375	0,7									4400	4600	4800	5000
		550	1,2									4850	5100	5300	5500
		750	2,0									5150	5350	5600	5800
	80°	375	0,7									5350	5550	5700	5900
		550	1,2									5900	6100	6300	6500
		750	2,0									6250	6450	6650	6900
	90°	375	0,7									6300	6500	6650	6850
		550	1,2									6900	7150	7300	7500
		750	2,0									7300	7500	7700	7950

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

3 ROWS S. I. units

MODEL VS 403
3 ROW COIL

Air flow at high fan speed: 680 m³/h

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	500	1,3	2320	3350	2250	3100	2200	2800	2120	2570				
		750	2,3	2500	3870	2440	3560	2350	3160	2260	2950				
		1000	3,5	2600	4200	2550	3950	2450	3450	2350	3150				
	7,5°	500	1,3	2120	2800	2060	2550	2000	2250	1900	2070				
		750	2,3	2260	3240	2200	2950	2150	2620	2040	2370				
		1000	3,5	2380	3550	2300	3200	2250	2850	2115	2560				
	10°	500	1,3	1940	2260	1870	2050	1760	1800	1590	1600				
		750	2,3	2050	2620	1980	2350	1900	2040	1760	1800				
		1000	3,5	2150	2850	2060	2570	1950	2200	1850	1950				
Heating water	50°	500	1,3									3400	3600	3850	4100
		750	2,3									3700	4000	4250	4500
		1000	3,5									3900	4150	4500	4750
	60°	500	1,3									4600	4750	5050	5300
		750	2,3									5000	5300	5550	5800
		1000	3,5									5300	5550	5850	6150
	70°	500	1,3									5800	6000	6250	6500
		750	2,3									6350	6650	6900	7150
		1000	3,5									6700	7000	7250	7550
	80°	500	1,3									7000	7250	7500	7700
		750	2,3									7650	7950	8200	8450
		1000	3,5									8100	8400	8650	8950
	90°	500	1,3									8200	8500	8700	8950
		750	2,3									9000	9300	9500	9800
		1000	3,5									9500	9800	10050	10350

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 603
3 ROW COIL

Air flow at high fan speed: 1000 m³/h

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	750	0,95	3480	5020	3375	4650	3300	4200	3170	3850				
		1125	1,8	3750	5800	3670	5350	3525	4740	3400	4400				
		1500	3,0	3900	6300	3830	5780	3675	5175	3530	4725				
	7,5°	750	0,95	3180	4200	3100	3825	3000	3375	2850	3090				
		1125	1,8	3400	4860	3300	4425	3225	3930	3050	3550				
		1500	3,0	3570	5320	3450	4800	3375	4275	3160	3830				
	10°	750	0,95	2910	3390	2800	3080	2640	2700	2385	2400				
		1125	1,8	3075	3820	2970	3525	2850	3060	2650	2700				
		1500	3,0	3225	4270	3100	3800	2925	3300	2770	2925				
Heating water	50°	750	0,95									4850	5200	5550	5900
		1125	1,8									5250	5650	6000	6400
		1500	3,0									5550	5900	6300	6700
	60°	750	0,95									6550	6850	7250	7600
		1125	1,8									7150	7550	7900	8250
		1500	3,0									7500	7850	8300	8700
	70°	750	0,95									8300	8600	9000	9350
		1125	1,8									9000	9450	9800	10150
		1500	3,0									9500	9850	10300	10700
	80°	750	0,95									10000	10400	10750	11100
		1125	1,8									10900	11300	11650	12000
		1500	3,0									11500	11900	12300	12650
	90°	750	0,95									11800	12100	12450	12800
		1125	1,8									12800	13200	13550	13900
		1500	3,0									13500	13900	14250	14650

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

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MODEL VS 204

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 380 m³/h

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 8-9
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	250	0,30	1160	1675	1125	1550	1100	1400	1055	1280				
		375	0,55	1250	1935	1220	1780	1175	1580	1130	1470				
		500	0,85	1300	2100	1275	1925	1225	1725	1175	1575				
	7,5°	250	0,30	1060	1400	1030	1275	1000	1125	950	1030				
		375	0,55	1130	1620	1100	1475	1075	1310	1015	1180				
		500	0,85	1190	1775	1150	1600	1125	1425	1055	1275				
	10°	250	0,30	970	1130	935	1025	880	900	795	800				
		375	0,55	1025	1310	990	1175	950	1020	880	900				
		500	0,85	1075	1425	1030	1270	975	1100	925	975				
Heating water	50°	200	1,1									1050	1100	1200	1250
		300	2,1									1150	1250	1300	1400
		400	3,2									1200	1300	1400	1450
	60°	200	1,1									1450	1500	1600	1650
		300	2,1									1600	1700	1750	1850
		400	3,2									1700	1750	1850	1950
	70°	200	1,1									1800	1900	1950	2050
		300	2,1									2000	2100	2200	2250
		400	3,2									2150	2200	2300	2400
	80°	200	1,1									2200	2250	2350	2450
		300	2,1									2400	2500	2600	2650
		400	3,2									2550	2650	2750	2850
	90°	200	1,1									2600	2650	2750	2850
		300	2,1									2850	2950	3000	3100
		400	3,2									3000	3150	3200	3250

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 304

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 540 m³/h

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 8-9
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	375	0,7	1740	2510	1700	2330	1650	2100	1580	1920				
		550	1,2	1880	2900	1830	2670	1760	2370	1700	2200				
		750	2,0	1950	3150	1920	2880	1840	2600	1760	2360				
	7,5°	375	0,7	1590	2100	1545	1915	1500	1690	1425	1545				
		550	1,2	1700	2430	1650	2215	1630	1960	1520	1770				
		750	2,0	1785	2660	1730	2400	1690	2150	1580	1910				
	10°	375	0,7	1455	1700	1400	1540	1320	1350	1190	1200				
		550	1,2	1540	1960	1490	1760	1420	1540	1320	1350				
		750	2,0	1610	2135	1540	1905	1460	1650	1390	1460				
Heating water	50°	200	1,4									1550	1600	1700	1800
		300	2,6									1600	1750	1850	1950
		400	4,1									1700	1850	1950	2100
	60°	200	1,4									2000	2100	2200	2300
		300	2,6									2200	2350	2450	2550
		400	4,1									2350	2400	2550	2700
	70°	200	1,4									2500	2600	2750	2850
		300	2,6									2750	2900	3000	3100
		400	4,1									2950	3050	3200	3300
	80°	200	1,4									3050	3150	3250	3350
		300	2,6									3350	3500	3600	3700
		400	4,1									3600	3700	3800	3950
	90°	200	1,4									3600	3700	3800	3900
		300	2,6									3900	4050	4150	4300
		400	4,1									4200	4300	4400	4500

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

4 ROWS S. I. units

MODEL VS 404

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 680 m³/h

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 8-9
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	500	1,3	2320	3350	2250	3100	2200	2800	2120	2570				
		750	2,3	2500	3870	2440	3560	2350	3160	2260	2950				
		1000	3,5	2600	4200	2550	3950	2450	3450	2350	3150				
	7,5°	500	1,3	2120	2800	2060	2550	2000	2250	1900	2070				
		750	2,3	2260	3240	2200	2950	2150	2620	2040	2370				
		1000	3,5	2380	3550	2300	3200	2250	2850	2115	2560				
	10°	500	1,3	1940	2260	1870	2050	1760	1800	1590	1600				
		750	2,3	2050	2620	1980	2350	1900	2040	1760	1800				
		1000	3,5	2150	2850	2060	2570	1950	2200	1850	1950				
Heating water	50°	350	1,3									1850	2000	2100	2250
		500	2,2									2000	2200	2300	2450
		700	3,8									2100	2250	2450	2600
	60°	350	1,3									2500	2600	2750	2900
		500	2,2									2750	2900	3050	3150
		700	3,8									2900	3050	3200	3350
	70°	350	1,3									3150	3300	3400	3550
		500	2,2									3500	3650	3800	3900
		700	3,8									3650	3850	4000	4150
	80°	350	1,3									3850	4000	4100	4200
		500	2,2									4200	4350	4500	4650
		700	3,8									4450	4600	4750	4900
	90°	350	1,3									4500	4650	4750	4900
		500	2,2									4950	5100	5200	5350
		700	3,8									5200	5350	5500	5700

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by .0,75.

MODEL VS 604

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 1000 m³/h

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 8-9
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °C	Water flow l/h	Pressure drop m of water column	ENTERING AIR TEMPERATURE °C — Summer (dry bulb / wet bulb) 28°-20° CS	28°-20° CT	27°-19° CS	27°-19° CT	26°-18° CS	26°-18° CT	25°-17° CS	25°-17° CT	Winter (dry bulb) 22° CS	20° CS	18° CS	16° CS
Cooling water	5°	750	0,95	3480	5020	3375	4650	3300	4200	3170	3850				
		1125	1,8	3750	5800	3670	5350	3525	4740	3400	4400				
		1500	3,0	3900	6300	3830	5780	3675	5175	3530	4725				
	7,5°	750	0,95	3180	4200	3100	3825	3000	3375	2850	3090				
		1125	1,8	3400	4860	3300	4425	3225	3930	3050	3550				
		1500	3,0	3570	5320	3450	4800	3375	4275	3160	3830				
	10°	750	0,95	2910	3390	2800	3080	2640	2700	2385	2400				
		1125	1,8	3075	3820	2970	3525	2850	3060	2650	2700				
		1500	3,0	3225	4270	3100	3800	2925	3300	2770	2925				
Heating water	50°	350	1,6									2400	2600	2750	2950
		500	2,9									2600	2800	3000	3200
		700	5									2750	2950	3150	3350
	60°	350	1,6									3250	3400	3600	3800
		500	2,9									3550	3750	3950	4100
		700	5									3750	3900	4150	4300
	70°	350	1,6									4150	4300	4500	4650
		500	2,9									4500	4700	4900	5050
		700	5									4750	4900	5150	5350
	80°	350	1,6									5000	5200	5350	5550
		500	2,9									5450	5650	5800	6000
		700	5									5750	5950	6150	6300
	90°	350	1,6									5900	6050	6200	6400
		500	2,9									6400	6600	6750	6950
		700	5									6750	6950	7100	7300

CS = Sensible heat Kcal/h
CT = Total heat Kcal/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

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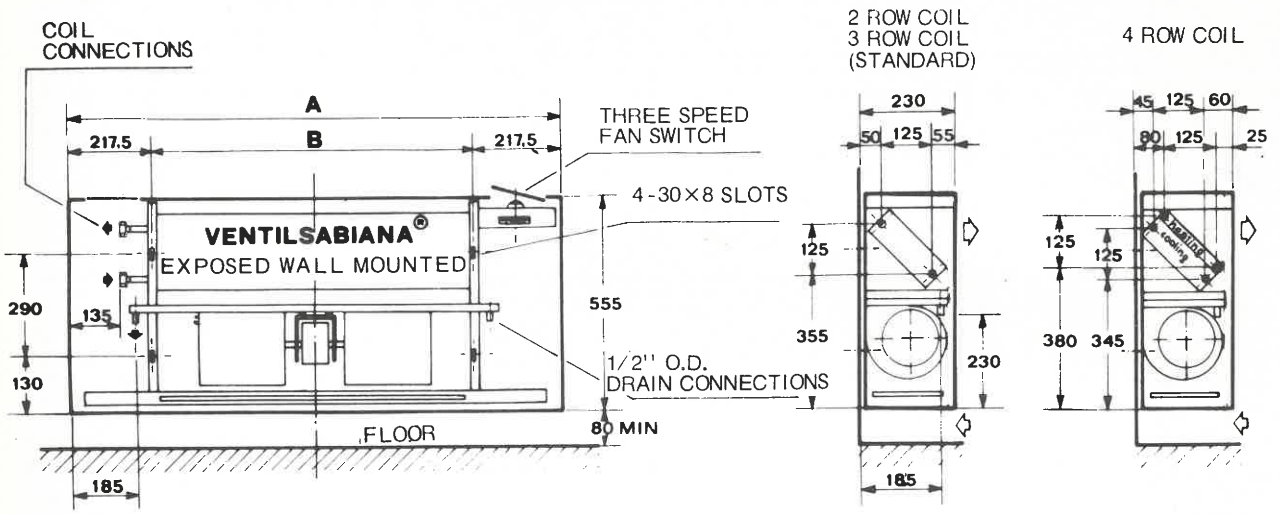
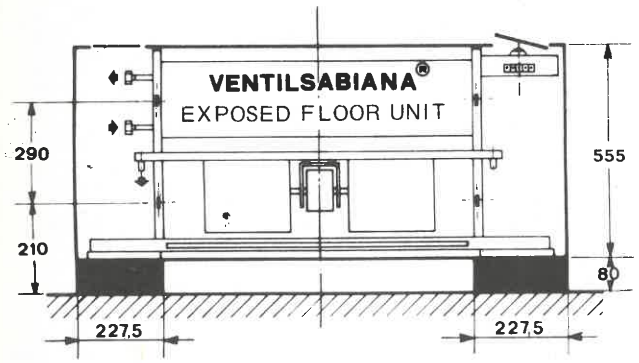
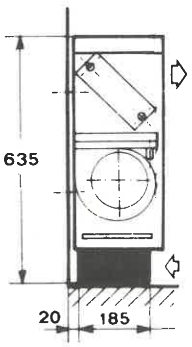
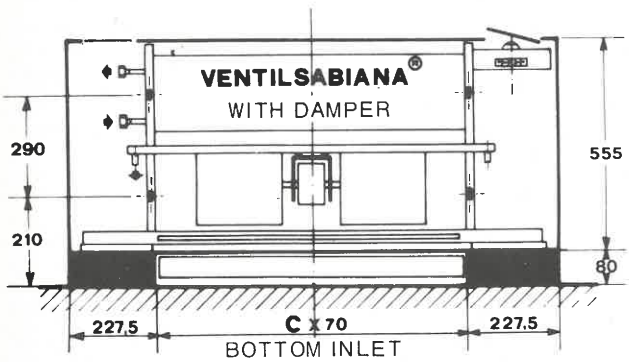
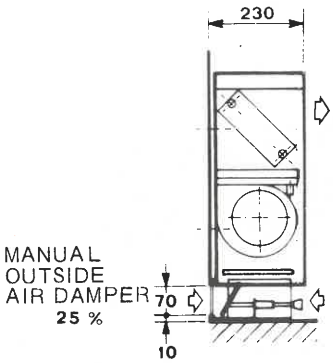
DIMENSIONS MOD. VS - MV - millimeters GA

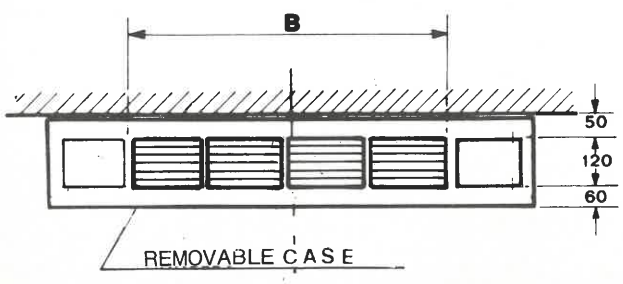












MODEL	A	B	C	COIL CONNECTIONS heating	COIL CONNECTIONS cooling	WEIGHT KG
VS-202-M.V.	860	425	405	½"F		27
VS-203-M.V.	860	425	405	½"F		28
VS-203+1-M.V.	860	425	—	⅜"F	½"F	29
VS-302-M.V.	1060	625	605	½"F		32
VS-303-M.V.	1060	625	605	½"F		33
VS-303+1-M.V.	1060	625	—	⅜"F	½"F	35
VS-402-M.V.	1260	825	805	½"F		38
VS-403-M.V.	1260	825	805	½"F		40
VS-403+1-M.V.	1260	825	—	½"F	½"F	42
VS-602-M.V.	1660	1225	1205	½"F		48
VS-603-M.V.	1660	1225	1205	½"F		50
VS-603+1-M.V.	1660	1225	—	½"F	½"F	53

ALL DIMENSIONS IN mm.

2 ROWS Imperial units

MODEL VS 202
2 ROW COIL
(heating only)

Air flow at high fan speed: 200 c.f.m.

Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	Entering air temperature °F (dry bulb)			
			71.6°	68°	64.4°	60.8°
			CS	CS	CS	CS
122°	0,77	0,98	5158	5554	5951	6149
	1,10	1,64	5554	6140	6546	6943
	1,54	2,62	5951	6546	6745	7141
140°	0,77	0,98	7141	7340	7935	8134
	1,10	1,64	7935	8332	8729	9274
	1,54	2,62	8332	8730	9126	9523
158°	0,77	0,98	8927	9325	9523	10117
	1,10	1,64	9193	10316	10712	11109
	1,54	2,62	10514	10911	11308	11903
176°	0,77	0,98	10911	11308	11506	12101
	1,10	1,64	11903	12498	12895	13291
	1,54	2,62	12696	13093	13688	14085
194°	0,77	0,98	12696	13291	13490	13887
	1,10	1,64	14085	14482	14879	15275
	1,54	2,62	14879	15474	15672	16267

MODEL VS 302
2 ROW COIL
(heating only)

Air flow at high fan speed: 300 c.f.m.

Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	Entering air temperature °F (dry bulb)			
			71.6°	68°	64.4°	60.8°
			CS	CS	CS	CS
122°	1,10	2,30	7935	8332	8729	9324
	1,65	3,94	8530	9125	9720	10316
	2,20	6,56	8927	9522	10316	10911
140°	1,10	2,30	10316	10911	11506	11903
	1,65	3,94	11506	12101	12696	13291
	2,20	6,56	12101	12696	13490	13887
158°	1,10	2,30	13093	13688	14283	14879
	1,65	3,94	14482	15079	15870	16267
	2,20	6,56	15275	15870	16664	17259
176°	1,10	2,30	15870	16466	16862	17458
	1,65	3,94	17458	18053	18648	19243
	2,20	6,56	18648	19243	19838	20433
194°	1,10	2,30	18648	19243	19838	20433
	1,65	3,94	20433	21227	21624	22219
	2,20	6,56	21624	22219	22814	23608

MODEL VS 402
2 ROW COIL
(heating only)

Air flow at high fan speed: 400 c.f.m.

Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	Entering air temperature °F (dry bulb)			
			71.6°	68°	64.4°	60.8°
			CS	CS	CS	CS
122°	1,54	4,26	10117	10712	11308	12101
	2,20	7,54	10911	11903	12696	13293
	3,08	12,46	11506	12299	13291	14085
140°	1,54	4,26	13688	14085	14879	15672
	2,20	7,54	14879	15870	16466	17259
	3,08	12,46	15672	16466	17259	18251
158°	1,54	4,26	17259	17854	18648	19243
	2,20	7,54	18846	19838	20433	21227
	3,08	12,46	19838	20830	21425	22417
176°	1,54	4,26	20830	21425	22219	22814
	2,20	7,54	22616	23608	24203	24996
	3,08	12,46	24004	24996	25790	26583
194°	1,54	4,26	24404	25195	25790	26583
	2,20	7,54	26782	27575	28170	29162
	3,08	12,46	28170	29162	29956	30749

MODEL VS 602
2 ROW COIL
(heating only)

Air flow at high fan speed: 600 c.f.m.

Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	Entering air temperature °F (dry bulb)			
			71.6°	68°	64.4°	60.8°
			CS	CS	CS	CS
122°	2,20	2,95	14283	15474	16466	17458
	3,30	5,90	15474	16862	17854	19045
	4,62	10,49	16466	17458	18648	19838
140°	2,20	2,95	19441	20433	21425	22616
	3,30	5,90	21227	22417	23409	24599
	4,62	10,496	22219	23012	24599	25790
158°	2,20	2,95	24599	25591	26782	27774
	3,30	5,90	26782	28170	29162	30154
	4,62	10,40	28170	29361	30551	31741
176°	2,20	2,95	29758	30948	31940	32932
	3,30	5,90	32337	33527	34519	35709
	4,62	10,49	34122	35312	36503	37495
194°	2,20	2,95	34916	36106	36899	38090
	3,30	5,90	38090	39677	40470	41661
	4,62	10,49	40074	41264	42256	43645

CS = Sensible heat Btu/h
At medium speed multiply by 0,9.
At low speed multiply by 0,75.

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MODEL VS 203
3 ROW COIL

Air flow at high fan speed: 200 c.f.m.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F — Summer (dry bulb / wet bulb) 78.8°-64.4° CS	78.8°-64.4° CT	77°-62.6° CS	77°-62.6° CT	72°-61° CS	72°-61° CT	70°-58.5° CS	70°-58.5° CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	1,10	0,98	4364	5554	4185	5077	3975	4823	3850	4670				
		1,65	1,80	4662	6268	4482	5831	4257	5539	4123	5364				
		2,20	2,78	4860	6844	4662	6249	4428	5936	4289	5749				
	45°	1,10	0,98	3967	4463	3769	4085	3580	3880	3467	3758				
		1,65	1,80	4265	5197	4025	4680	3823	4446	3703	4305				
		2,20	2,78	4463	5654	4185	5058	3975	4805	3850	4653				
	50°	1,10	0,98	3490	3570	3153	3174	2995	3015	2900	2920				
		1,65	1,80	3769	4046	3490	3570	3315	3391	3210	3284				
		2,20	2,78	3868	4364	3670	3868	3486	3674	3376	3558				
Heating water	122°	1,10	0,98									6943	7522	7935	8332
		1,65	1,80									7538	8332	8729	9324
		2,20	2,78									8133	8729	9125	9720
	140°	1,10	0,98									9522	9919	10514	10911
		1,65	1,80									10514	11109	11704	12101
		2,20	2,78									11109	11704	12299	12895
	158°	1,10	0,98									11903	12498	12895	13490
		1,65	1,80									13291	13887	14482	14789
		2,20	2,78									14085	14680	15275	15870
	176°	1,10	0,98									14482	15077	15474	16069
		1,65	1,80									16069	16664	17259	17656
		2,20	2,78									17061	17656	18251	18846
	194°	1,10	0,98									17061	17656	18053	18449
		1,65	1,80									18846	19441	19838	20433
		2,20	2,78									19838	20632	21029	21624

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 303
3 ROW COIL

Air flow at high fan speed: 300 c.f.m.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F — Summer (dry bulb / wet bulb) 78.8°-64.4° CS	78.8°-64.4° CT	77°-62.6° CS	77°-62.6° CT	72°-61° CS	72°-61° CT	70°-58.5° CS	70°-58.5° CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	1,65	2,29	6546	8382	6268	7617	5954	7236	5766	7001				
		2,42	3,93	6982	9402	6745	8729	6407	8292	6205	8030				
		3,30	6,56	7299	10316	6982	9363	6632	8894	6423	8613				
	45°	1,65	2,29	5951	6704	5654	6129	5371	5822	5201	5638				
		2,42	3,93	6466	7776	6030	7022	5728	6670	5547	6460				
		3,30	6,56	6704	8530	6268	7578	5954	7199	5766	6971				
	50°	1,65	2,29	5236	5356	4720	4761	4884	4522	4342	4380				
		2,42	3,93	5633	6109	5236	5356	4974	5088	4817	4927				
		3,30	6,56	5792	6546	5513	5792	5237	5502	5071	5328				
Heating water	122°	1,65	2,29									10712	11109	11704	12498
		2,42	3,93									11308	12101	12895	13688
		3,30	6,56									11903	12696	13688	14482
	140°	1,65	2,29									13887	14482	15474	16069
		2,42	3,93									15275	16267	16862	17656
		3,30	6,56									16267	16862	17854	18648
	158°	1,65	2,29									17458	18251	19045	19838
		2,42	3,93									19243	20235	21029	21822
		3,30	6,56									20433	21227	22219	23012
	176°	1,65	2,29									21227	22020	22616	23409
		2,42	3,93									23409	24203	24996	25790
		3,30	6,56									24798	25591	26385	27377
	194°	1,65	2,29									24996	25790	26385	27179
		2,42	3,93									27377	28369	28964	29758
		3,30	6,56									28964	29758	30551	35543

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

3 ROWS Imperial units

MODEL VS 403
3 ROW COIL

Air flow at high fan speed: 400 c.f.m.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	CT	77°-62.6° CS	CT	72°-61° CS	CT	70°-58.5° CS	CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	2,20	4,26	8729	11109	8410	10196	7989	9686	7737	9380				
		3,30	7,54	9324	12537	8966	11704	8517	11118	8248	10767				
		4,40	11,48	9720	13688	9324	12498	8857	11873	8578	11498				
	45°	2,20	4,26	7935	8927	7538	8212	7161	7801	6934	7555				
		3,30	7,54	8530	10394	8092	9402	7687	8931	7444	8649				
		4,40	11,48	8927	11308	8390	10157	7970	9649	7718	9344				
	50°	2,20	4,26	6982	7141	6307	6348	5991	6030	5802	5840				
		3,30	7,54	7538	8092	6982	7141	6632	6783	6423	6569				
		4,40	11,48	7737	8729	7240	7737	6973	7350	6752	7118				
Heating water	122°	2,20	4,26									13490	14283	15275	16267
		3,30	7,54									14680	15870	16862	17854
		4,40	11,48									15474	16466	17854	18846
	140°	2,20	4,26									18251	18846	20037	21029
		3,30	7,54									19838	21029	22020	23012
		4,40	11,48									21029	22020	23211	24401
	158°	2,20	4,26									23012	23806	24798	25790
		3,30	7,54									25195	26385	27377	28369
		4,40	11,48									26583	27774	28766	29956
	176°	2,20	4,26									27774	28776	29758	30551
		3,30	7,54									30353	31543	32535	33527
		4,40	11,48									32138	33329	34320	35511
	194°	2,20	4,26									32535	33725	34519	35511
		3,30	7,54									35709	36899	37693	38883
		4,40	11,48									37693	38883	39875	41066

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 603
3 ROW COIL

Air flow at high fan speed: 600 c.f.m.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	CT	77°-62.6° CS	CT	72°-61° CS	CT	70°-58.5° CS	CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	3,30	3,11	13093	16664	12557	15275	11929	14511	11552	14053				
		4,95	5,90	13986	18805	13490	17458	12815	16585	12410	16061				
		6,60	9,84	14581	20533	14005	18747	13304	17809	12884	17247				
	45°	3,30	3,11	11903	13391	11308	12259	10742	11646	10403	11278				
		4,95	5,90	12795	15592	12101	14085	11495	13380	11132	12958				
		6,60	9,84	13391	16962	12537	15195	11910	14435	11534	13979				
	50°	3,30	3,11	10473	10712	9462	9522	8988	9045	8705	8760				
		4,95	5,90	11308	12140	10514	10712	9988	10176	9672	9855				
		6,60	9,84	11605	13093	10990	11605	10440	11024	10110	10676				
Heating water	122°	3,30	3,11									19243	20632	22020	23409
		4,95	5,90									20830	22417	23806	25393
		6,60	9,84									22020	23409	24996	26583
	140°	3,30	3,11									25988	27179	28766	30154
		4,95	5,90									28369	29956	31345	32733
		6,60	9,84									29758	31146	32932	34519
	158°	3,30	3,11									32932	34122	35709	37098
		4,95	5,90									35709	37495	38883	40272
		6,60	9,84									37693	39082	40867	42454
	176°	3,30	3,11									39677	41264	42653	44041
		4,95	5,90									43248	44835	46224	47612
		6,60	9,84									45629	47216	48803	50191
	194°	3,30	3,11									46819	48009	49398	50787
		4,95	5,90									50787	52374	53762	55151
		6,60	9,84									53564	55151	56540	58127

CS = Sensible heat Btu/ h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

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MODEL VS 204

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 200 c.f.m.

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 14-15.
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	78.8°-64.4° CT	77°-62.6° CS	77°-62.6° CT	72°-61° CS	72°-61° CT	70°-58.5° CS	70°-58.5° CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	1,10	0,98	4364	5554	4185	5077	3975	4823	3850	4670				
		1,65	1,80	4662	6268	4482	5831	4257	5539	4123	5364				
		2,20	2,78	4860	6844	4662	6249	4428	5936	4289	5749				
	45°	1,10	0,98	3967	4463	3769	4085	3606	3880	3467	3758				
		1,65	1,80	4265	5197	4025	4680	3823	4446	3703	4305				
		2,20	2,78	4463	5654	4185	5058	3975	4805	3850	4653				
	50°	1,10	0,98	3490	3570	3153	3174	2995	3015	2900	2920				
		1,65	1,80	3769	4046	3490	3570	3315	3391	3210	3284				
		2,20	2,78	3868	4364	3670	3868	3486	3674	3376	3558				
Heating water	122°	1,10	0,98									4166	4364	4761	4959
		1,65	1,80									4562	4959	5158	5554
		2,20	2,78									4761	5158	5554	5753
	140°	1,10	0,98									5753	5951	6348	6546
		1,65	1,80									6348	6745	6943	7340
		2,20	2,78									6745	6943	7340	7737
	158°	1,10	0,98									7141	7588	7737	8133
		1,65	1,80									7935	8332	8729	8927
		2,20	2,78									8530	8729	9125	9522
	176°	1,10	0,98									8729	8927	9324	9720
		1,65	1,80									9522	9919	10316	10514
		2,20	2,78									10117	10514	10911	11308
	194°	1,10	0,98									10316	10514	10911	11308
		1,65	1,80									11308	11704	11903	12299
		2,20	2,78									11903	12498	12696	12895

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 304

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 300 c.f.m.

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 14-15.
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	78.8°-64.4° CT	77°-62.6° CS	77°-62.6° CT	72°-61° CS	72°-61° CT	70°-58.5° CS	70°-58.5° CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	1,65	2,29	6546	8332	6268	7617	5954	7236	5766	7007				
		2,42	3,93	6982	9402	6745	8729	6407	8292	6205	8030				
		3,30	6,56	7299	10316	6982	9363	6632	8894	6423	8613				
	45°	1,65	2,29	5951	6704	5654	6129	5371	5822	5201	5638				
		2,42	3,93	6466	7776	6030	7022	5728	6670	5547	6460				
		3,30	6,56	6704	8530	6268	7578	5954	7199	5766	6961				
	50°	1,65	2,29	5236	5356	4720	4761	4484	4522	4342	4380				
		2,42	3,93	5633	6190	5236	5356	4974	5088	4817	4927				
		3,30	6,56	5792	6546	5513	5792	5237	5502	5071	5328				
Heating water	122°	1,65	2,29									6149	6348	6745	7141
		2,42	3,93									6348	6943	7340	7737
		3,30	6,56									6745	7340	7737	8332
	140°	1,65	2,29									7935	8332	8729	9125
		2,42	3,93									8729	9324	9720	10117
		3,30	6,56									9329	9522	10117	10712
	158°	1,65	2,29									9919	10316	10911	11308
		2,42	3,93									10911	11506	11903	12299
		3,30	6,56									11704	12101	12696	13093
	176°	1,65	2,29									12101	12498	12895	13291
		2,42	3,93									13291	13887	14280	14680
		3,30	6,56									14283	14680	15077	15672
	194°	1,65	2,29									14283	14680	15077	15474
		2,42	3,93									15474	16069	16466	17061
		3,30	6,56									16664	17061	17458	17854

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

4 ROWS Imperial units

MODEL VS 404

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 400 c.f.m.

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 14-15.
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	CT	77°-62.6° CS	CT	72°-61° CS	CT	70°-58.5° CS	CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	2,20	4,26	8729	11109	8410	10196	7989	9686	7737	9380				
		3,30	7,54	9324	12537	8966	11704	8517	11118	8248	10767				
		4,40	11,48	9720	13688	9324	12498	8857	11873	8578	11498				
	45°	2,20	4,26	7935	8927	7538	8212	7161	7801	6934	7555				
		3,30	7,54	8530	10394	8092	9402	7687	8931	7444	8649				
		4,40	11,48	8927	11308	8390	10157	7970	9649	7718	9344				
	50°	2,20	4,26	6982	7141	6307	6348	5995	6030	5802	5840				
		3,30	7,54	7538	8092	6982	7141	6632	6783	6423	6569				
		4,40	11,48	7737	8729	7240	7737	6973	7350	6752	7118				
Heating water	122°	2,20	4,26									7340	7935	8332	8927
		3,30	7,54									7935	8729	9125	9720
		4,40	11,48									8332	8927	9720	10316
	140°	2,20	4,26									9919	10316	10911	11506
		3,30	7,54									10911	11506	12101	12498
		4,40	11,48									11506	12101	12696	13291
	158°	2,20	4,26									12498	13093	13480	14085
		3,30	7,54									13887	14482	15077	15474
		4,40	11,48									14482	15275	15870	16466
	176°	2,20	4,26									15275	15870	16267	16664
		3,30	7,54									16664	17259	17854	18449
		4,40	11,48									17656	18251	18846	19441
	194°	2,20	4,26									17854	18449	18846	19441
		3,30	7,54									19640	20235	20632	21227
		4,40	11,48									20632	21227	21035	22616

CS = Sensible heat Btu/h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

MODEL VS 604

4 ROW COIL (3 ROWS COOLING + 1 ROW HEATING)

Air flow at high fan speed: 600 c.f.m.

NOTE: For four row heating units add the heating figures on these pages to the corresponding figures on pages 14-15.
Thus adding 3 row to 1 row giving the 4 row out put.

	Entering water temperature °F	Water flow g.p.m.	Pressure drop ft. of water column	ENTERING AIR TEMPERATURE °F Summer (dry bulb / wet bulb) 78.8°-64.4° CS	CT	77°-62.6° CS	CT	72°-61° CS	CT	70°-58.5° CS	CT	Winter (dry bulb) 71.6° CS	68° CS	64.4° CS	60.8° CS
Cooling water	41°	3,30	3,11	13093	16664	12557	15275	11948	14530	11570	14053				
		4,95	5,90	13986	18805	13490	17458	12815	16585	12410	16061				
		6,60	9,84	14581	20533	14005	18747	13304	17809	12884	17247				
	45°	3,30	3,11	11903	13391	11308	12259	10742	11646	10403	11278				
		4,95	5,90	12795	15592	12101	14085	11495	13380	11132	12958				
		6,60	9,84	13391	16962	12537	15195	11910	14435	11534	13979				
	50°	3,30	3,11	10473	10712	9462	9522	8988	9045	8705	8760				
		4,95	5,90	11308	12140	10514	10712	9988	10176	9672	9955				
		6,60	9,84	11605	13093	10990	11605	10440	11024	10110	10676				
Heating water	122°	3,30	3,11									9522	10316	10911	11704
		4,95	5,90									10316	11109	11903	12696
		6,60	9,84									10911	11704	12498	13291
	140°	3,30	3,11									12895	13490	14280	15077
		4,95	5,90									14085	14879	15672	16267
		6,60	9,84									14879	15474	16466	17061
	158°	3,30	3,11									16466	17061	17854	18449
		4,95	5,90									17854	18648	19441	20037
		6,60	9,84									18846	19441	20433	21227
	176°	3,30	3,11									19838	20632	21227	22020
		4,95	5,90									21624	22417	23012	23806
		6,60	9,84									22814	23608	24401	24996
	194°	3,30	3,11									23409	24004	24599	25393
		4,95	5,90									25393	26187	26782	27575
		6,60	9,84									26782	27575	28170	26964

CS = Sensible heat Btu/ h
CT = Total heat Btu/h

At medium speed multiply by 0,9.

At low speed multiply by 0,75.

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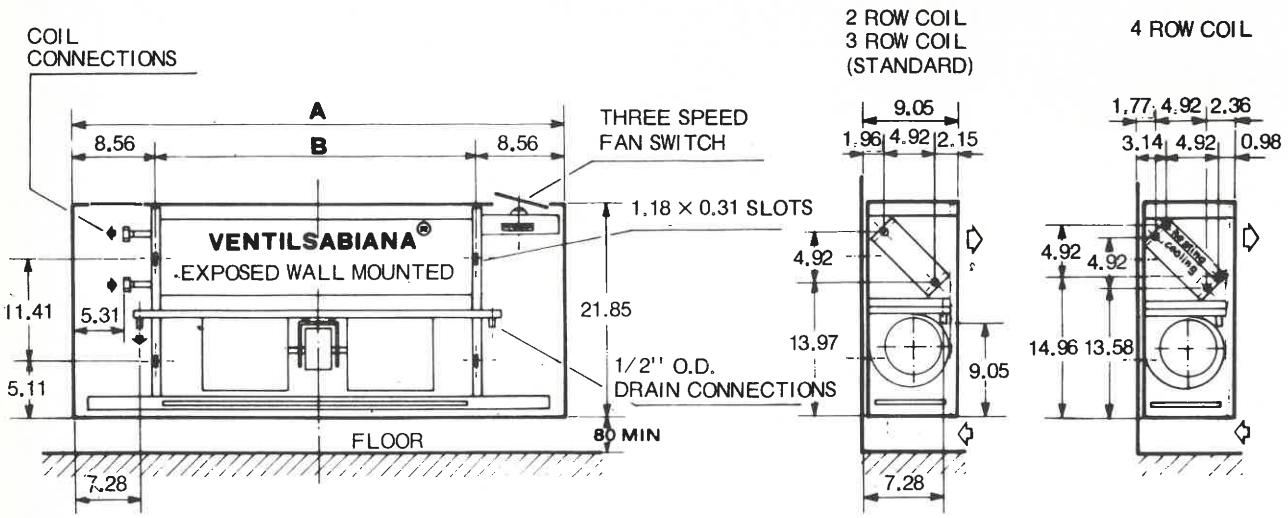
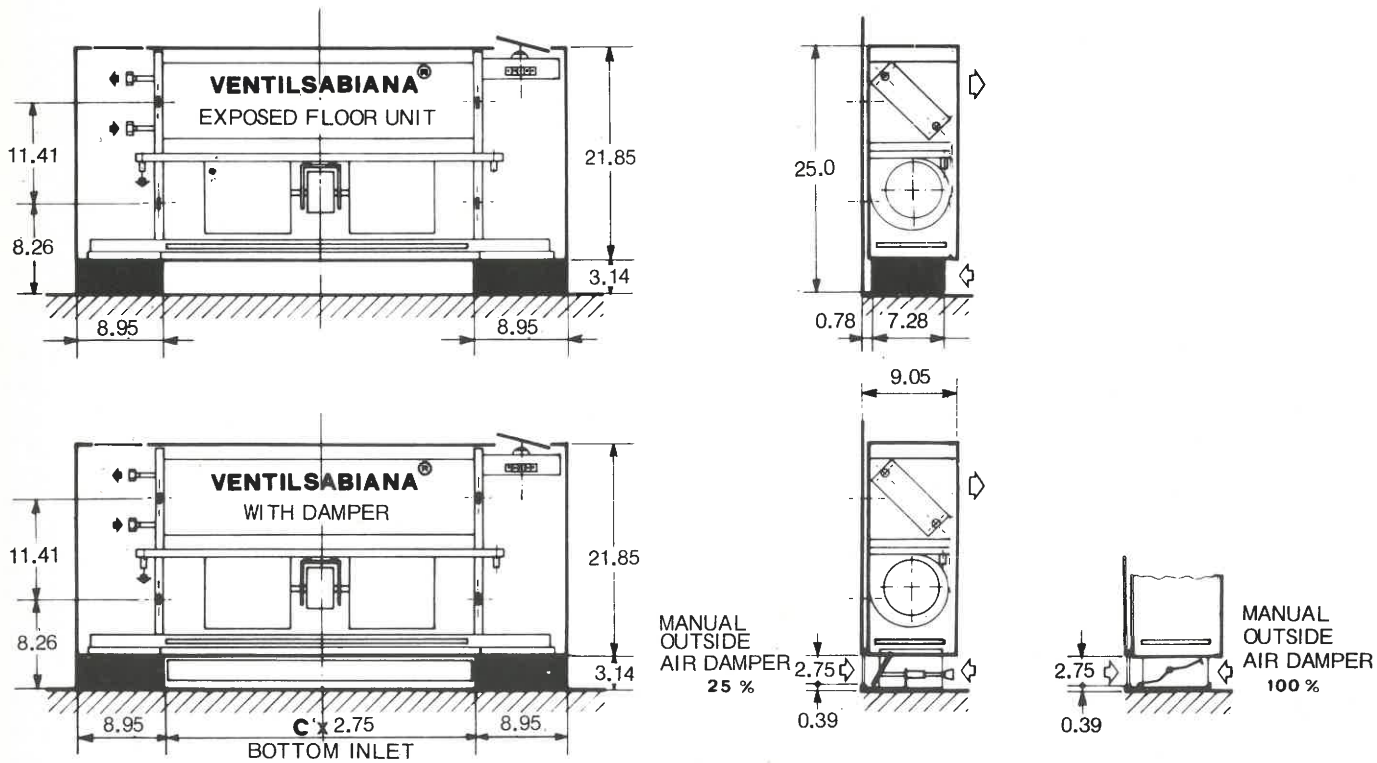
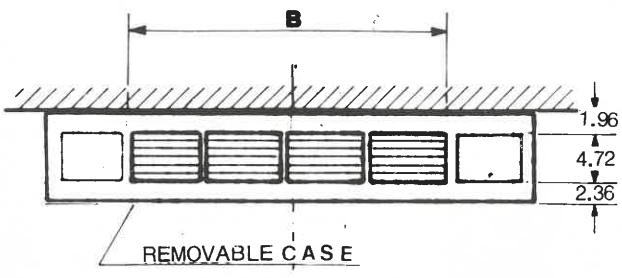
DIMENSIONS MOD. VS - MV - inches GA





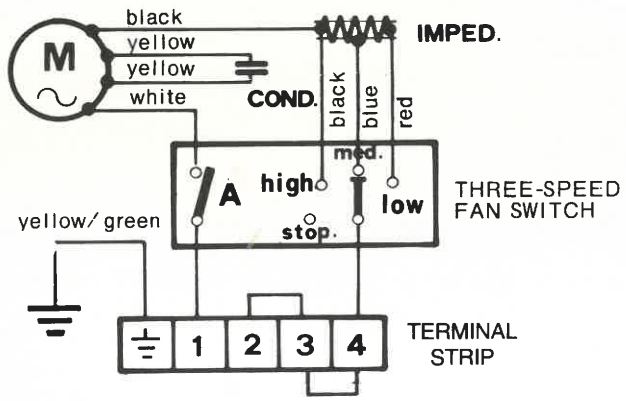


A

MODEL	A	B	C	CONNECTIONS heating	CONNECTIONS cooling	WEIGHT lb
VS-202-M.V.	33.85	16.73	15.94	½" Female		60
VS-203-M.V.	33.85	16.73	15.94	½" Female		62
VS-203 +1-M.V.	33.85	16.73	–	⅜" Female	½" Female	64
VS-302-M.V.	41.73	24.60	23.81	½" Female		71
VS-303-M.V.	41.73	24.60	23.81	½" Female		73
VS-303 +1-M.V.	41.73	24.60	–	⅜" Female	½" Female	77
VS-402-M.V.	49.60	32.48	31.69	½" Female		84
VS-403-M.V.	49.60	32.48	31.69	½" Female		88
VS-403 +1-M.V.	49.60	32.48	–	½" Female	½" Female	93
VS-602-M.V.	65.35	48.22	47.44	½" Female		106
VS-603-M.V.	65.35	48.22	47.44	½" Female		110
VS-603 +1-M.V.	65.35	48.22	–	½" Female	½" Female	117

ALL DIMENSIONS IN INCHES

ELECTRICAL CONNECTIONS FOR FAN CONVECTORS



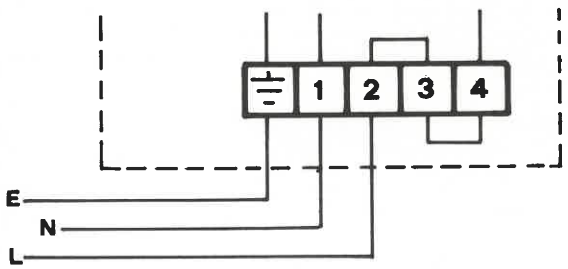
INTERNAL WIRING FACTORY COMPLETED

FOR ELECTRICAL INFORMATION.

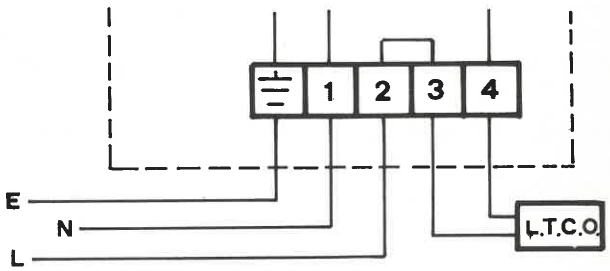
WARNING: Electrical supply must be isolated before removing the case of these units.

ELECTRICAL CONNECTIONS FOR:

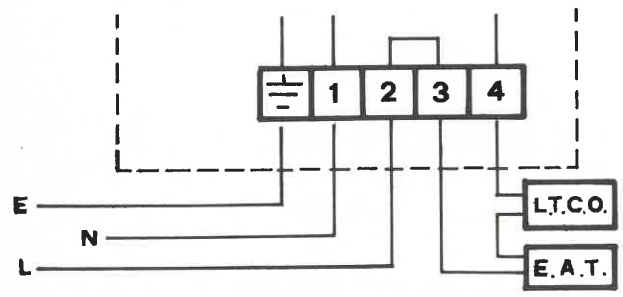
Manual Speed Control Only



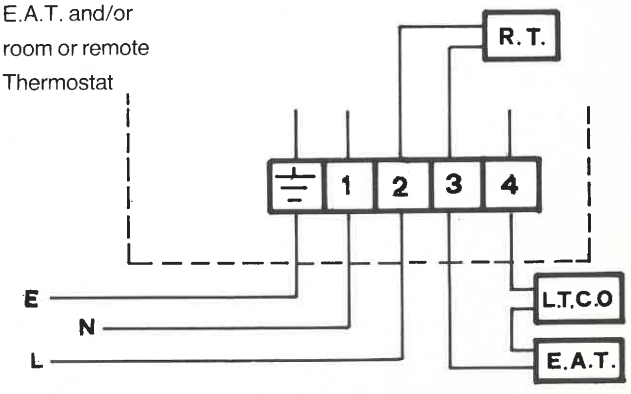
FOR: use with
low temperature
cutout



FOR: use with
L.T.C.O. and/or
entering air
Thermostat



FOR: use with
L.T.C.O. and/or
E.A.T. and/or
room or remote
Thermostat



C.F.M.	STARTING I (AMPS)	FULL LOAD I (AMPS)
200	0,28 A	0,24 A
300	0,28 A	0,235 A
400	0,44 A	0,37 A
600	0,45 A	0,38 A

SABIANA

RANGE OF PRODUCTS

80 SABIANA

CONVECTORS

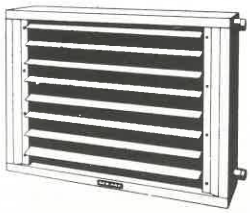
UNIT HEATERS ALVEAR SABIANA

UNIT HEATERS
FOR COMMERCIAL APPLICATIONS

UNIT HEATERS COMFORT SABIANA

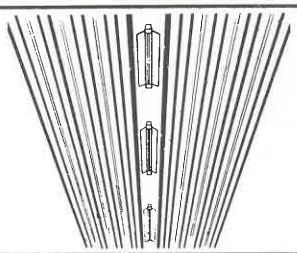
CIRCULAR UNIT HEATERS
FOR VERTICAL DISCHARGE

UNIT HEATERS JUPITER SABIANA



UNIT HEATERS
FOR INDUSTRIAL APPLICATIONS

DUCK•STRIP SABIANA



RADIANT HEATING STRIPS

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S.p.A. SABIANA pursues a policy of continuing improvement in design and performance of its products.
The right is, therefore, reserved to vary specification without notice.

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