

**OUTDOOR PACKAGED AIR HANDLING UNIT  
WITH GAS BURNER  
OR HOT WATER COIL**



**FWN/FGN - 9 000 M<sup>3</sup>/H → 34 000 M<sup>3</sup>/H**

**INTRODUCTION TO THE RANGE**

- Aluzinc self-supporting casing
- Stainless steel fastenings and rivets
- Complete unit incorporating control panel and control system
- Hydraulic kit incorporated in FWN
- Incorporates CLIMATIC™ 50 control
- Shutter options for mixing fresh and return air for free-cooling function
- Heating option using electric heater coil or hot water coil in FWN
- Horizontal or top distribution option in FWN
- 300 mbar gas or propane supply option for FGN
- Hot water coil located upstream of cooling coils

**GENERAL DATA**

ROOFTOP			FWN				BGN	FGN			
			002	003	004	005	001	002	003	004	005
<b>Cooling mode</b>											
Gross cooling capacity (27 °C/50% in - water 7/12 °C)	kW	S <sup>(1)</sup>	78	113	130	174	-	-	-	-	-
		H <sup>(1)</sup>	94	137	159	211	-	-	-	-	-
Absorbed power	kW		3,0	5,5	8,0	10,5	3,0	3,0	8,0	8,0	10,5
<b>Heating mode</b>											
Gas heat capacity	kW	S <sup>(1)</sup>	-	-	-	-	33	60	60	120	120
		H <sup>(1)</sup>	-	-	-	-	60	120	120	180	180
Gas flow (1013 mbar / 15 °C)	m <sup>3</sup> /h	S <sup>(1)</sup>	-	-	-	-	3,2	5,7	5,7	11,5	11,5
		H <sup>(1)</sup>	-	-	-	-	5,7	11,5	11,5	17,2	17,2
Minimum efficiency	%		-	-	-	-	93%	90%	90%	90%	90%
<b>Auxiliary heating</b>											
Fully modulating electrical heater	kW	S <sup>(1)</sup>	36	36	36	36	-	-	-	-	-
		H <sup>(1)</sup>	54	72	72	72	-	-	-	-	-
Hot water coil capacity (20 °C in - water 90/70)	kW	S <sup>(1)</sup>	48	97	108	148	-	-	-	-	-
		H <sup>(1)</sup>	119	167	188	260	-	-	-	-	-
<b>Hydraulic circuit</b>											
Water flow	m <sup>3</sup> /h	S <sup>(1)</sup>	13,4	19,4	22,4	30,0	-	-	-	-	-
		H <sup>(1)</sup>	16,1	23,6	27,4	36,2	-	-	-	-	-
Water pressure drop	kPa	S <sup>(1)</sup>	70	110	100	110	-	-	-	-	-
		H <sup>(1)</sup>	70	70	90	70	-	-	-	-	-
Water coil volume	dm <sup>3</sup>	S <sup>(1)</sup>	25	34	35	57	-	-	-	-	-
		H <sup>(1)</sup>	36	48	51	77	-	-	-	-	-
Water pipe connection	DN	S <sup>(1)</sup>	40	40	50	50	-	-	-	-	-
		H <sup>(1)</sup>	40	50	50	65	-	-	-	-	-
<b>Ventilation</b>											
Nominal airflow at 150 Pa	m <sup>3</sup> /h		12000	18000	22000	28000	8100	12000	18000	22000	28000
Minimum airflow	m <sup>3</sup> /h		9000	14000	18000	22000	5800	9000	14000	18000	22000
Maximum airflow	m <sup>3</sup> /h		15000	22000	24000	34000	10800	15000	22000	24000	34000
<b>Acoustic</b>											
Indoor air discharge sound power level <sup>(2)</sup>	dB(A)		82	83	86	89	82	82	83	86	89

(1) : S = Standard heat - H = High heat

(2) : ESP = 100Pa at nominal airflow

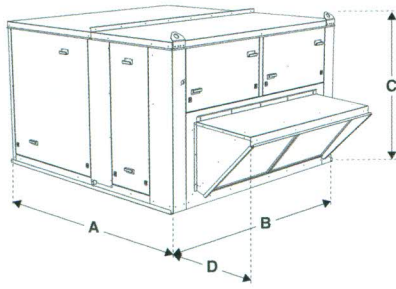


Non contractual photos

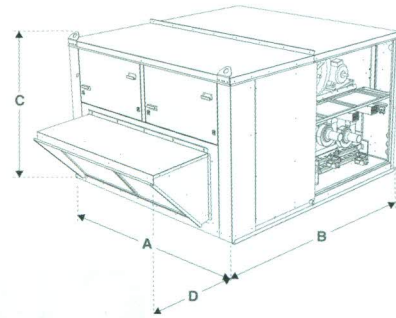


**PHYSICAL DATA**

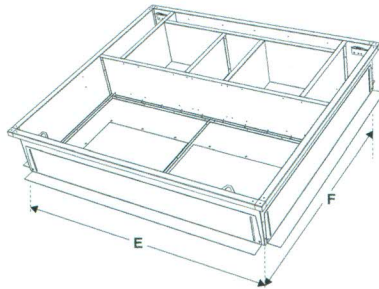
**1 FWN**



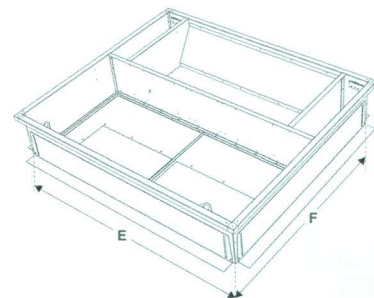
**4 FGN**



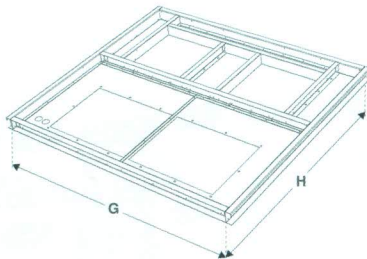
**2 Roofcurb - FWN**



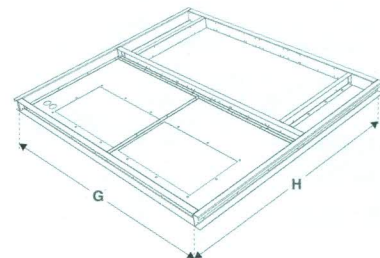
**5 Roofcurb - FGN**



**3 Supporting frame - FWN**



**6 Supporting frame - FGN**



ROOFTOP		FWN				BGN 001	FGN			
		002	003	004	005		002	003	004	005
<b>Unit dimensions</b>	<b>View</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	(*)	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>A</b>	mm	1910	1910	1910	1970	1850	1915	1915	2365	2420
<b>B</b>	mm	2255	2255	2255	2255	2233	2255	2255	2255	2255
<b>C</b>	mm	1450	1450	1450	2040	1220	1450	1450	1450	2040
<b>D</b>	mm	635	635	635	900	418	635	635	635	900
<b>Weight- standard unit - kg</b>										
Weight without hood	S <sup>(1)</sup>	600	650	700	1000	510	700	750	950	1200
	H <sup>(1)</sup>	650	700	800	1050	530	750	800	1000	1250
Weight with hood	S <sup>(1)</sup>	670	720	770	1110	506	770	820	1020	1310
	H <sup>(1)</sup>	720	770	870	1160	518	820	870	1070	1360
<b>Roofcurb<sup>(2)</sup></b>	<b>View</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	(*)	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>E</b>	mm	2080	2080	2080	2080	1642	2080	2080	2080	2080
<b>F</b>	mm	1795	1795	1795	1855	1532	1795	1795	2245	2305
<b>Weight</b>	kg	145	157	159	165	100	150	150	165	170
<b>Supporting frame</b>	<b>View</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	-	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>G</b>	mm	2080	2080	2080	2080	-	2080	2080	2080	2080
<b>H</b>	mm	1895	1895	1895	1955	-	1895	1895	2345	2405
<b>Weight</b>	kg	61	66	68	70	-	58	58	70	72

(1) : S = Standard heat - H = High heat

(2) : Building roof opening

(\*) : Please consult us

