

Duplexvent MULTI-V

Heat Recovery Ventilation



2016 / 2018

KEY FEATURES

- Heat recovery ventilation
- 100% customisation
- 93% thermal efficiency
- Vertical duct connections
- Low energy EC fans
- Automatic 100% bypass
- Built-in heating / cooling coils
- Integrated web server enables to control the unit via internet
- BMS connection (Modbus as a standard, optional BACnet or KNX)
- VAV control compatibility
- 2 year warranty +

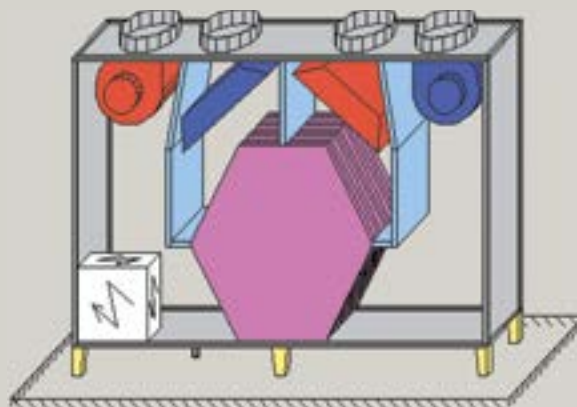
Duplexvent MULTI-V

As a ventilation specialist we aim to provide ventilation solutions for commercial applications thanks to our broad range of Commercial Heat Recovery units in excess of 16,000 m³/hr air volume with the availability of indoor and outdoor versions.

To accomplish this goal, our Passive House approved, ex-stock Flexi Line units provide the highest thermal efficiency with immediate delivery whilst our customised Multi and Rotary Line units match your specification in terms of installation flexibility, performance and quality by meeting the high air volume requirements for commercial and large industrial spaces.

+ excludes motors. Motor warranty one year from date of purchase.

MULTI-V LINE UNIT CONFIGURATION



Upright
(Maintenance access from the side)



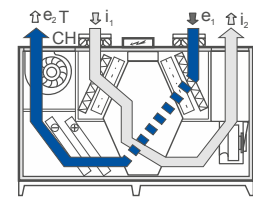
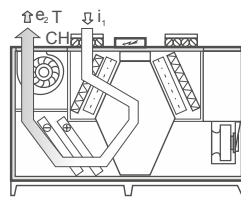
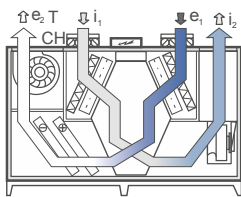


100% CUSTOMISATION AND SHORT DELIVERY TIME

Multi-V Line MVHR units follow the business philosophy of multiple variability. Designers can easily modify unit positions, spigot connections, filters, integral heating /cooling coils, bypass and circulation dampers using the selection software which accelerates the

specification process and helps meet stringent project requirements.

Despite the full customisation Multi-V Line units are delivered in a period of **4-6 weeks** to meet tight project deadlines.



- ⇒ e₁ ... Fresh outdoor air suction
- ⇨ e₂ ... Fresh filtered air outlet

- ⇨ i₁ ... Exhaust air suction
- ⇨ i₂ ... Exhaust air outlet

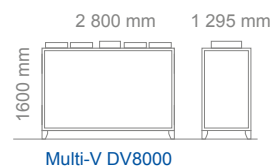
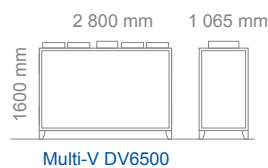
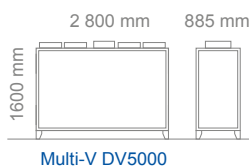
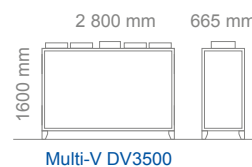
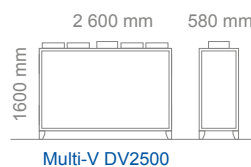
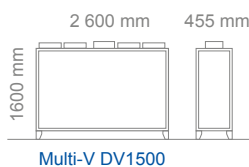
- T... Central heating connection
- CH... Cooling connection

Ventilation with heat recovery

Circulation damper helps regulate indoor temperature / humidity conditions

100% Bypass facility delivers cool, fresh and filtered air

DUPLEXVENT MULTI-V SIZE RANGE



Duplexvent MULTI-V

Multi Line Customised Indoor -
Up to 9600m³/hr air volume



2016 / 2018

KEY FEATURES

- Fully customised commercial units in 6 different sizes up to 9200 m³/hr at 200 Pa
- Digital Touchscreen or simple manual controller
- Low noise, refer to NR35 and BB93 standards
- Excellent thermal insulation (class T2, TB1)
- G4, M5 or F7 filters available
- Optional circulation damper
- Optional constant flow and constant pressure mode
- BREEAM and ErP 2016 / 2018 compliant
- Meets Building Regulations Part L2A and L2B

PERFORMANCE

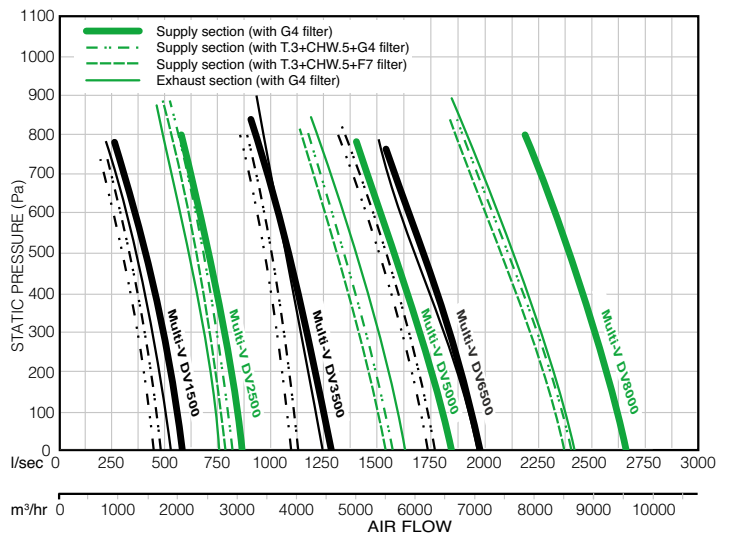
Duplexvent Multi-V		DV1500	DV2500	DV3500	DV5000	DV6500	DV8000
Supply air - max. ¹	m ³ /hr / l/sec	2050 / 569	3050 / 847	4500 / 1250	6600 / 1833	7100 / 1972	9600 / 2667
Extraction air - max. ¹	m ³ /hr / l/sec	1800 / 500	2700 / 750	4450 / 1236	5800 / 1611	7000 / 1944	8600 / 2389
Heat recovery efficiency ²	%	up to 93%					
Fan type		EC (backward curved impeller)					
Weight ³	kg	210-290	300-380	330-400	380-460	490-590	590-680
Max power input	kW	1.2	2.3	4.9	6.2	7.5	10.3
Voltage	V	230					
Frequency	Hz	50					
RPM - max.	min ⁻¹	2920	3000	2980	2700	2820	2560
Heating output T - max. ⁴	kW	22	30	42	51	71	88
Cooling output CHW - max. ⁴	kW	16	22	30	42	56	62
Cooling output CHF - max. ⁴	kW	10	13	25	37	41	50
Part No.		90000819	90000820	90000821	90000822	90000823	90000824

1. Maximum flow rate at zero external pressure
2. According to air volume
3. Depending on equipment
4. Depending on register type, liquid and flow rates

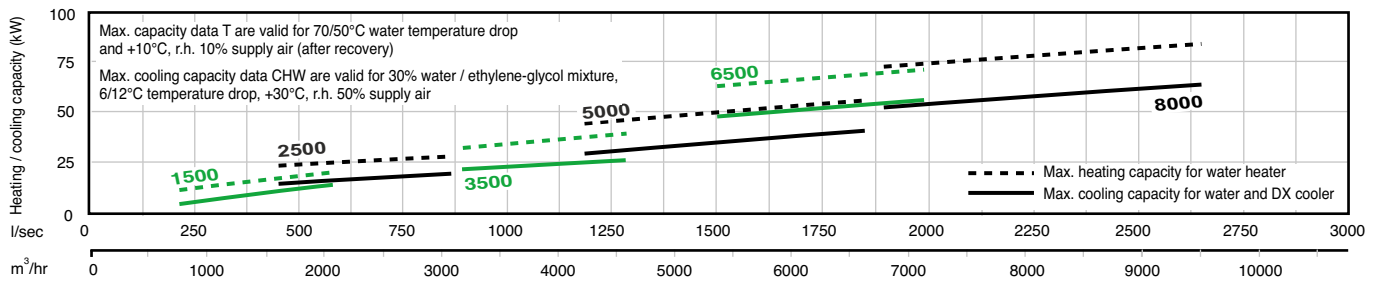
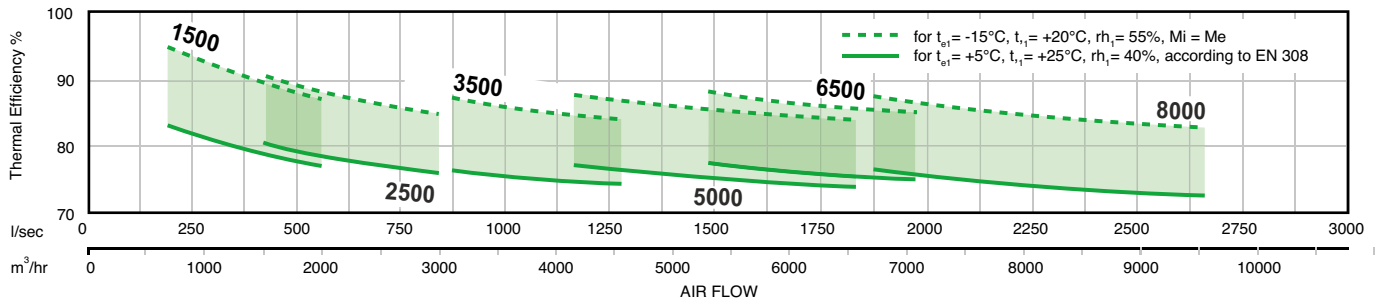
T - Water heating coil
CHW - Water cooling coil
CHF - DX (direct evaporator) coil

ACOUSTIC POWER L_w AND PRESSURE L_p

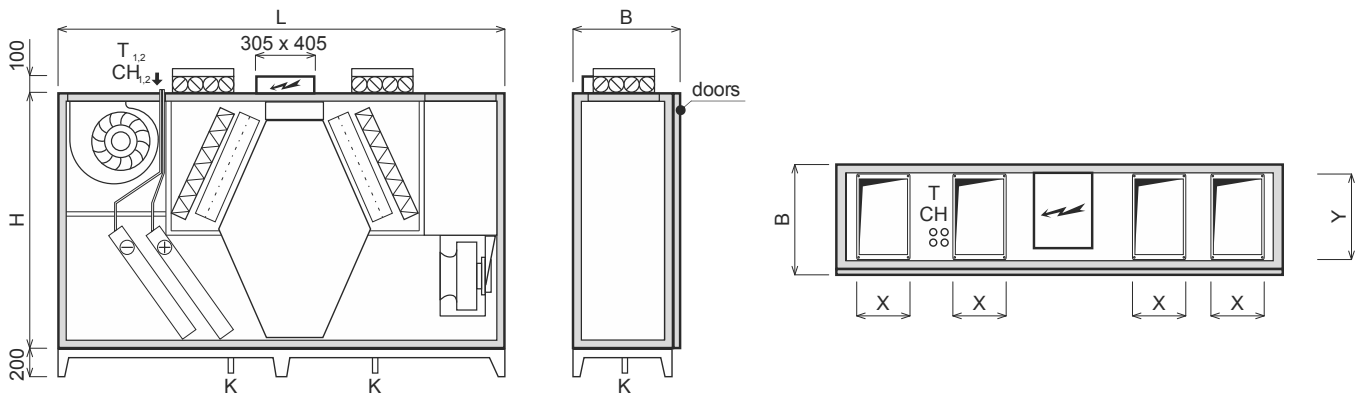
Type	Working point	Acoustic power L_w [dB(A)]					Acoustic pressure L_p [dB(A)] at 3 m
		inlet e ₁	inlet i ₁	inlet e ₂	inlet i ₂	unit	
Duplexvent Multi-V DV1500	1500m ³ /hr (200 Pa)	54	59	81	81	66	45
Duplexvent Multi-V DV2500	2500m ³ /hr (200 Pa)	66	70	82	91	76	55
Duplexvent Multi-V DV3500	3500m ³ /hr (200 Pa)	64	66	88	84	73	52
Duplexvent Multi-V DV5000	5000m ³ /hr (200 Pa)	71	74	90	91	79	58
Duplexvent Multi-V DV6500	6500m ³ /hr (200 Pa)	71	77	95	95	82	61
Duplexvent Multi-V DV8000	8000m ³ /hr (200 Pa)	74	80	95	98	80	59



PERFORMANCE



DIMENSIONS



Duplexvent Multi-V		DV1500	DV2500	DV3500	DV5000	DV6500	DV8000
Dimension H	mm	1600	1600	1600	1600	1600	1600
Dimension B	mm	455	580	665	885	1065	1295
Length L	mm	2600	2600	2800	2800	2800	2800
Condensate drain	mm	Ø32					
Connecting ports							
Dimension X x Y	mm	300 x 250	300 x 400	400 x 400	400 x 600	400 x 710	400 x 900

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Visit: airflow.com



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