

Duplexvent MULTI-N

Heat Recovery Ventilation

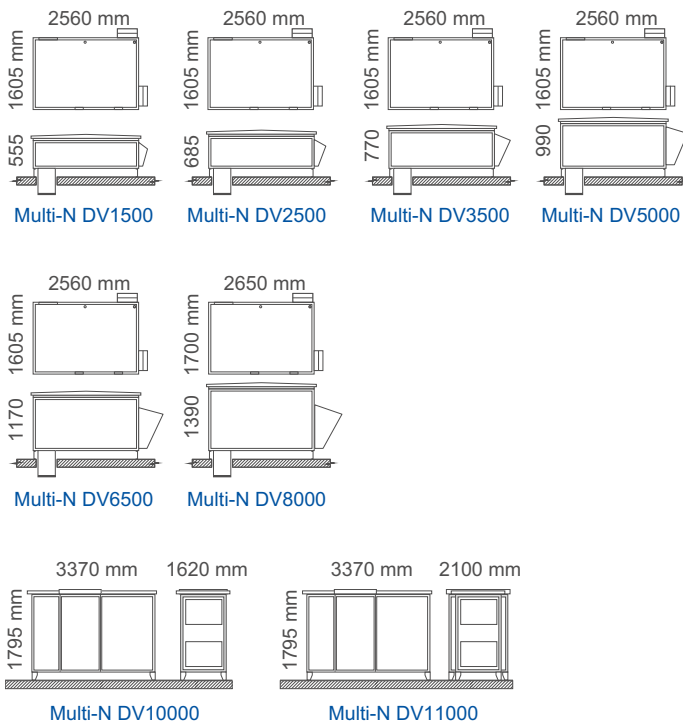
LIFT INTO PLACE

Ready for crane transport – special suspension points are included as standard for easy connection to a crane.

Multi-N outdoor units are designed with continuous emphasis on service comfort. The units can be maintained via side access doors, without the need to open the unit doors.



OUTDOOR SIZE RANGE



The height dimension is for units only (without the 400 mm optional base frame)

EFFICIENT INSTALLATION

Duplexvent MULTI-N outdoor units give the option of being installed directly on to the roof, or on a bespoke low profile, insulated base frame.

Using the stainless steel framed, highly insulated base, allows supply and extract air duct positions within the footprint of the unit. This modular, encapsulated set up reduces duct runs and does away with conventional duct insulation expense while giving a more energy efficient and easily installed unit.

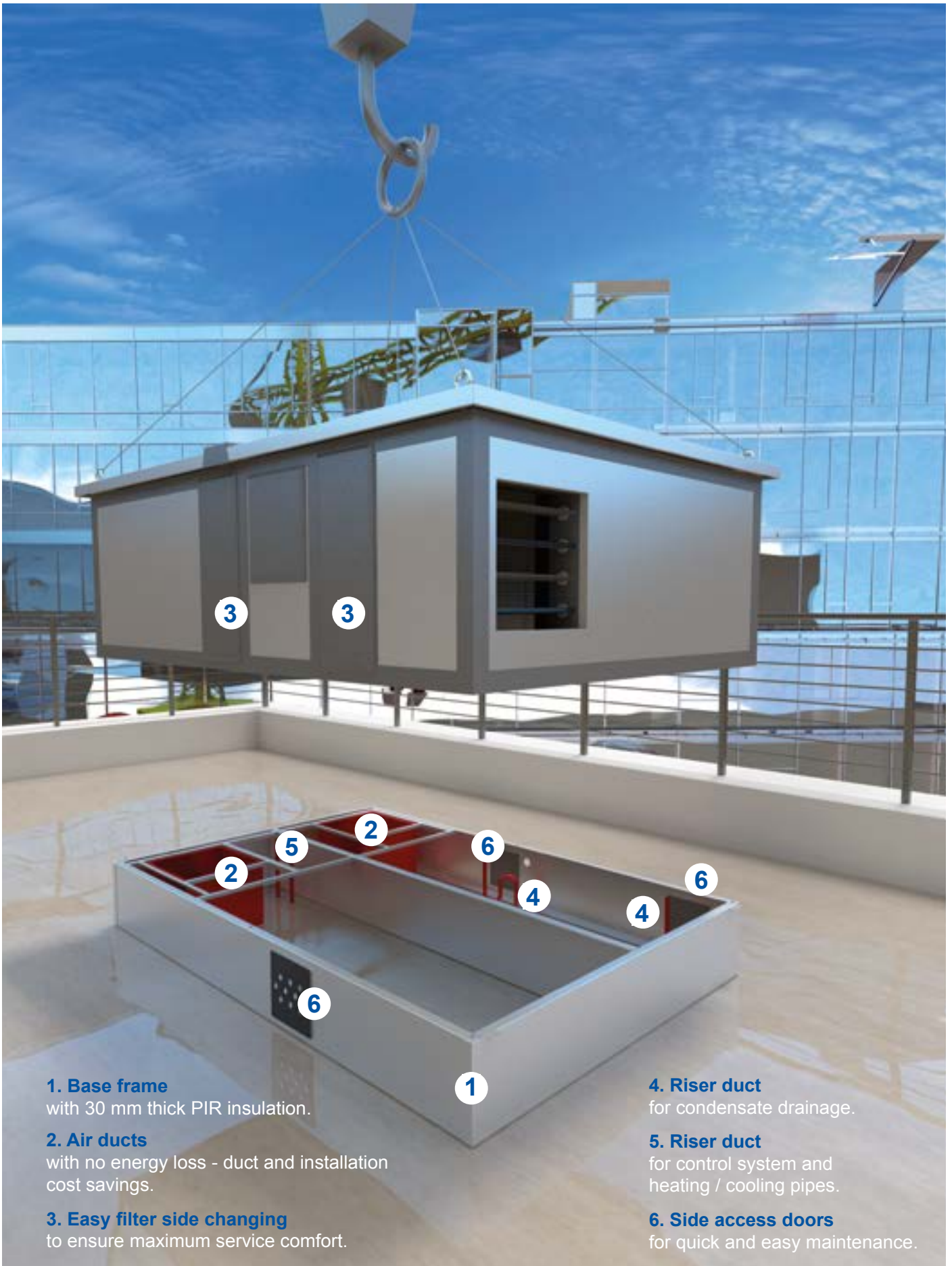
Note: Bespoke insulated base frame is fitted with service access points.



COMPACT SIZE

One of the biggest Duplexvent Multi-N advantages is its compact size. Having an exceptionally low height, all units up to 6400 m³/hr are less than 1m high.





1. Base frame
with 30 mm thick PIR insulation.

2. Air ducts
with no energy loss - duct and installation cost savings.

3. Easy filter side changing
to ensure maximum service comfort.

4. Riser duct
for condensate drainage.

5. Riser duct
for control system and heating / cooling pipes.

6. Side access doors
for quick and easy maintenance.

Duplexvent MULTI-N

Multi Line Customised Outdoor -
Up to 13050m³/hr air volume



2016 / 2018

KEY FEATURES

- Fully customised commercial units in 8 different sizes up to 12500 m³/hr at 200 Pa
- Excellent heat recovery efficiency, up to 93%
- Unique duct connection from the bottom
- Optional insulated base frame reduces heat loss and duct runs
- Low SFP with energy saving fans
- Ready for crane transport
- Digital Touchscreen or simple manual controller
- 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
- 2 year warranty +

PERFORMANCE

Duplexvent Multi-N		DV1500	DV2500	DV3500	DV5000	DV6500	DV8000	DV10000	DV11000
Supply air - max. ¹	m ³ /hr / l/sec	2500 / 694	3600 / 1000	4700 / 1306	6400 / 1778	7200 / 1200	8800 / 2444	11100 / 3083	13050 / 3625
Extraction air - max. ¹	m ³ /hr / l/sec	2300 / 639	3650 / 1014	4600 / 1278	6350 / 1704	7100 / 1372	8900 / 2472	10700 / 2972	12300 / 3417
Heat recovery efficiency ²	%	to 93%							
Fan type		EC (backward curve impeller)							
Weight ³	kg	290-350	350-420	450-480	460-560	520-630	630-750	1220-1330	1280-1400
Max power input	kW	1.5	2.5	4.4	6.4	6.7	8.9	10.7	10.8
Voltage	V	230	400						
Frequency	Hz	50							
RPM - max.	min ⁻¹	2920	3000	2980	2700	2820	2570	2570	2130
Heating output T - max. ⁴	kW	18	27	36	46	67	75	95	100
Cooling output CHW - max. ⁴	kW	9	12	22	30	39	46	65	70
Cooling output CHF - max. ⁴	kW	10	13	25	37	41	50	60	65
Part No.		9041533	9041534	9041535	9041536	9041520	9041532	90000817	90000818

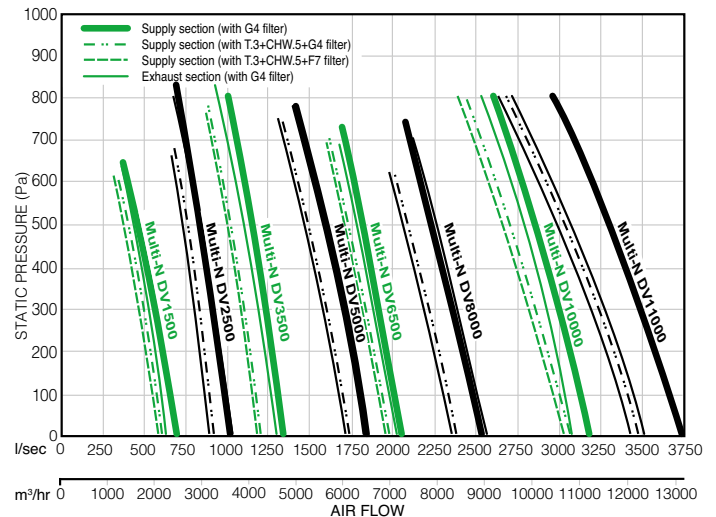
1. Maximum flow rate at zero external pressure
2. According to air volume
3. Depending on equipment
4. Depending on register type, liquid and flow rates

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

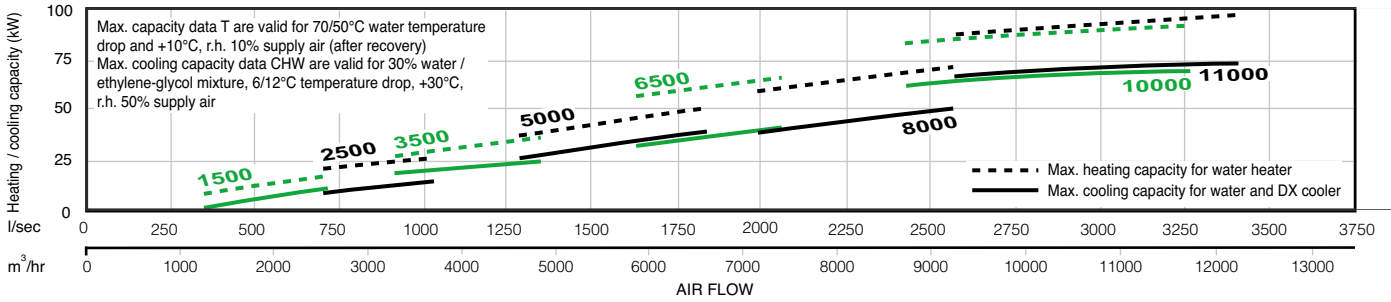
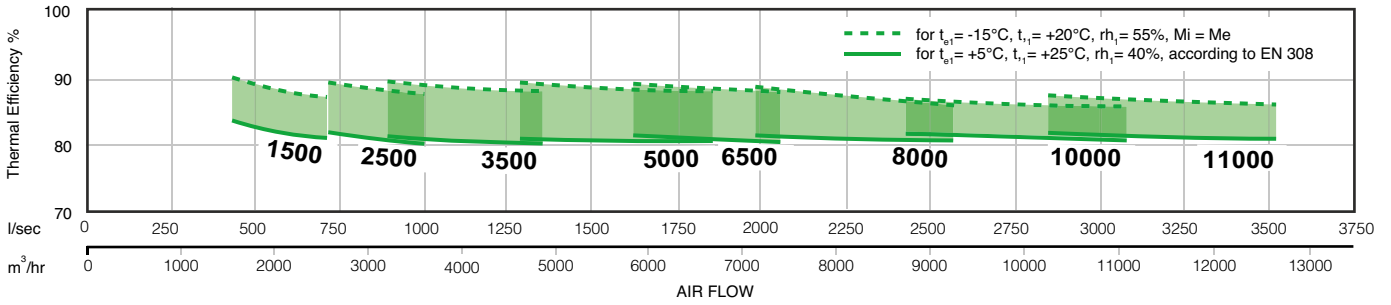
+ excludes motors. Motor warranty one year from date of purchase.

ACOUSTIC POWER L_w AND PRESSURE L_p

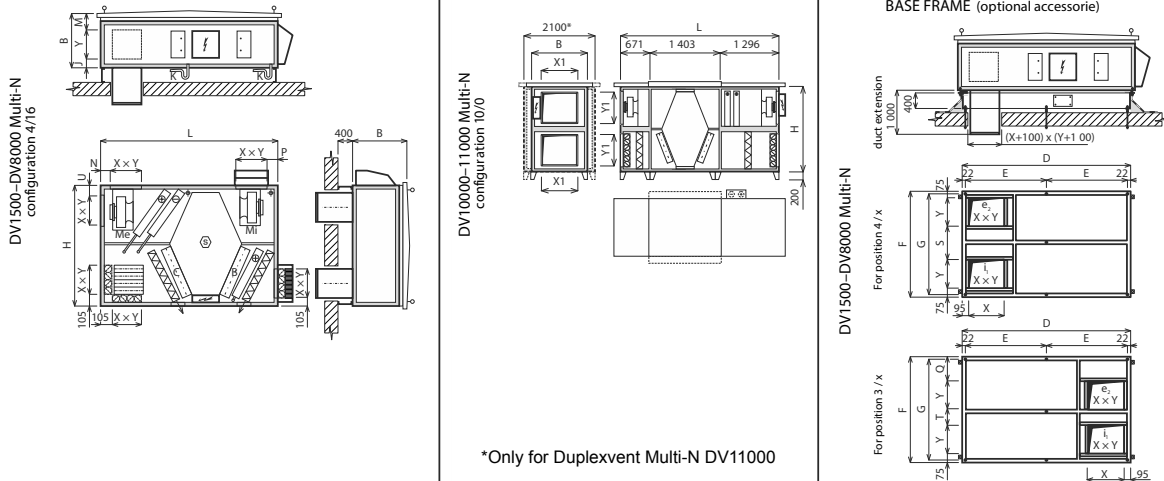
Type	Working point	Acoustic power L_w [dB(A)]					Acoustic pressure L_p [dB(A)] at 3 m
		inlet e_1	inlet i_1	inlet e_2	inlet i_2	unit	
Duplexvent Multi-N DV1500	1500m ³ /hr (200Pa)	57	57	87	87	60	40
Duplexvent Multi-N DV2500	2500m ³ /hr (200Pa)	57	57	82	82	61	40
Duplexvent Multi-N DV3500	3500m ³ /hr (200Pa)	58	59	87	88	59	38
Duplexvent Multi-N DV5000	5000m ³ /hr (200Pa)	68	68	89	89	62	42
Duplexvent Multi-N DV6500	6500m ³ /hr (200Pa)	72	72	94	95	66	45
Duplexvent Multi-N DV8000	8000m ³ /hr (200Pa)	66	62	76	79	71	50
Duplexvent Multi-N DV10000	9000m ³ /hr (200 Pa)	66	67	98	97	74	53
Duplexvent Multi-N DV11000	10000m ³ /hr (200 Pa)	63	64	88	88	73	52



PERFORMANCE



DIMENSIONS



Duplexvent Multi-N		DV1500	DV2500	DV3500	DV5000	DV6500	DV8000	DV10000	DV11000
Dimension H	mm	1605	1605	1605	1605	1605	1700	1795	1795
Dimension B	mm	555	685	770	990	1170	1390	1620	1620
Length L	mm	2560	2560	2560	2560	2560	2650	3370	3370
Dimension N	mm	130	105	105	105	105	105	-	-
Dimension U	mm	270	105	105	105	105	105	-	-
Dimension P	mm	135	105	105	105	105	105	-	-
Dimension J	mm	100	100	165	225	315	340	-	-
Dimension M	mm	155	185	205	265	355	350	-	-
Condensate drain	mm	Ø32							
Connecting ports									
Dimension X x Y	mm	300 x 300	400 x 400	400 x 400	500 x 500	500 x 500	700 x 500	900 x 710	900 x 710
Base Frame									
Dimension D	mm	2500	2500	2500	2500	2500	2590	-	-
Dimension F	mm	1545	1545	1545	1545	1545	1640	-	-
Dimension E	mm	1228	1228	1228	1228	1228	1273	-	-
Dimension G (between anchoring holes)	mm	1505	1505	1505	1505	1505	1600	-	-
Dimension S	mm	795	595	595	395	395	490	-	-
Dimension Q	mm	400	300	300	200	200	278	-	-
Dimension T	mm	470	370	370	270	270	287	-	-

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