

Duplexvent FLEXI DV1600

Flexi Line Side / Top Entry -
Up to 2150 m³/h air volume



KEY FEATURES

- Air volume up to 1600 m³/hr @ 200 Pa
- Excellent heat recovery efficiency, up to 92%
- Versatile unit positioning with floor and ceiling suspended mounting options
- Low SFP with energy saving EC fans
- Low noise, refer to NR35 and BB93 standards
- 100% adjustable digital controller with internet and BMS connection
- BREEAM, Passive House and ErP 2016 / 2018 compliant
- 2 year warranty +

PERFORMANCE

Sound Power Level Lw (dB)	dB (A)	63	125	250	500	1 k	2 k	4 k	8 k
Outdoor air e1	46	61	54	49	42	38	31	<25	<25
Supply air e2	68	74	75	70	66	62	58	51	45
Extract air i1	45	61	54	48	42	37	31	<25	<25
Exhaust air i2	68	74	75	70	65	61	58	50	44
Breakout noise	55	59	61	59	51	50	44	32	<25
Sound Pressure Level Ld	dB (A)	63	125	250	500	1 k	2 k	4 k	8 k
To the surrounding	35	38	41	39	30	29	<25	<25	<25

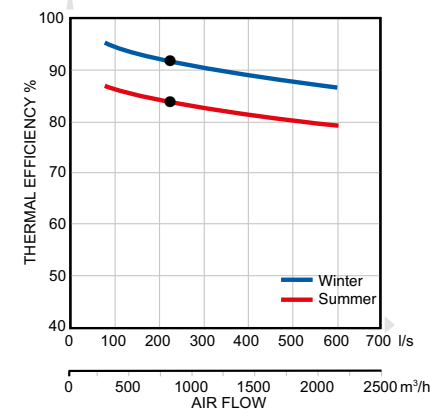
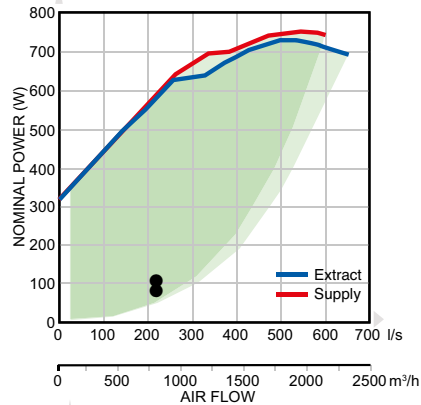
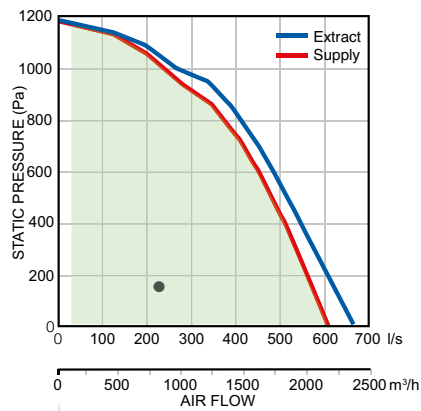
Sound pressure level is measured at 3m distance

Ventilation		Supply Air	Extract Air
Maximum Air Volume @ 200 Pa	m ³ /h / l/s	1600 / 444.4	1600 / 444.4
Air volume @ 150 Pa*	m ³ /h / l/s	800 / 222	800 / 222
Nominal voltage	V	230	230
Voltage (at operation point)*	V	230	230
Nominal power (at operation point)*	W	114	105
Max connection power	W	490	490
Max current	A	2.9	2.9
Filters		F7	M5
Fan type		EC	EC

* Note: ● The figures above have been measured at 800 m³/h and 150 Pa. Please use the Duplexvent Selection Software to calculate measurements at other performance levels.

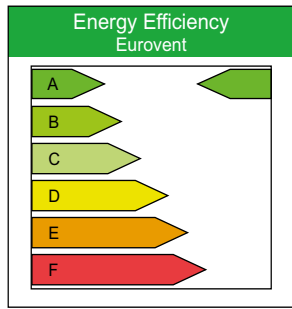
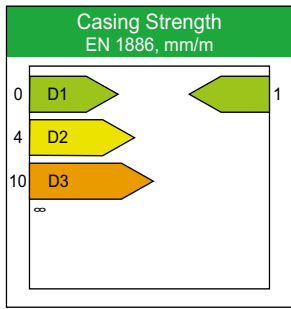
Heat Recovery		Supply Air	Extract Air
Maximum Air Volume @ 200 Pa	m ³ /h / l/s	1600 / 444.4	1600 / 444.4
Air volume @ 150 Pa*	m ³ /h / l/s	800 / 222	800 / 222
Temperature at inlet*	°C	-10	22
Temperature at outlet*	°C	18	1
Humidity at inlet*	%rh	90	40
Humidity at outlet*	%rh	11	100
Thermal efficiency in winter / summer	%	87 / 84	
Performance in winter / summer	kW	7.7 / -0.9	
Condensation	l/h	2.5	
Type of heat exchanger		Counter Flow, Plastic	
Part No.		90000068	

* Note: ● The figures above have been measured at 800 m³/h and 150 Pa. Please use the Duplexvent Selection Software to calculate measurements at other performance levels.



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





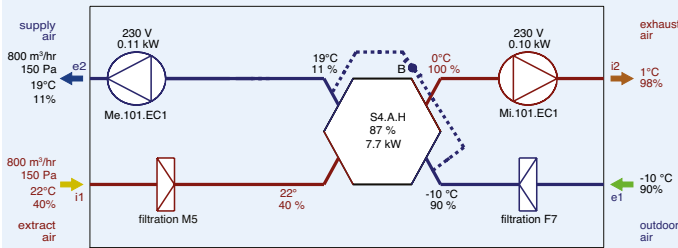
2016 / 2018



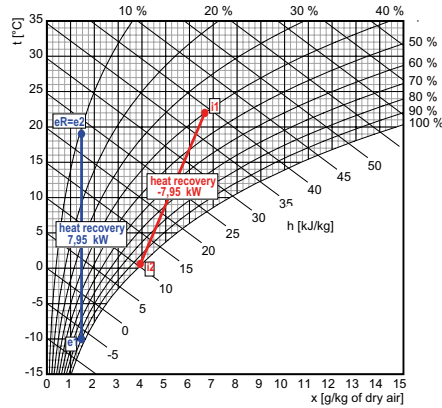
Winter Operation*:

e1 - outdoor air (ODA)
e2 - supply air (SUP)

i1 - extract air (ETA)
i2 - exhaust air (EHA)



Note: AHU functions diagram. Inlet and outlet location may differ from actual position and port configuration.



Supply

Description	t [°C]	rh [%]	
e1	Outdoor Air	-10.0	90
e2	Supply Air	18.0	11

Exhaust

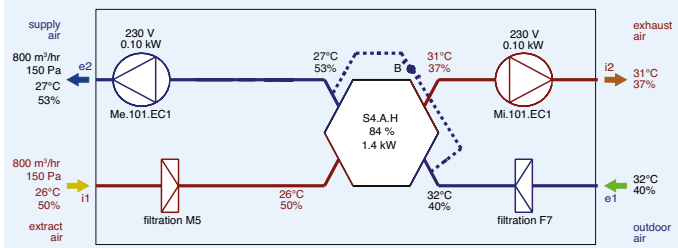
Description	t [°C]	rh [%]	
i1	Extract Air	22.0	40
i2	Exhaust Air	1.0	100



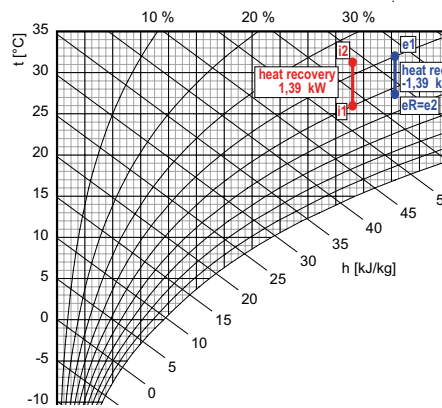
Summer Operation*:

e1 - outdoor air (ODA)
e2 - supply air (SUP)

i1 - extract air (ETA)
i2 - exhaust air (EHA)



Note: AHU functions diagram. Inlet and outlet location may differ from actual position and port configuration.



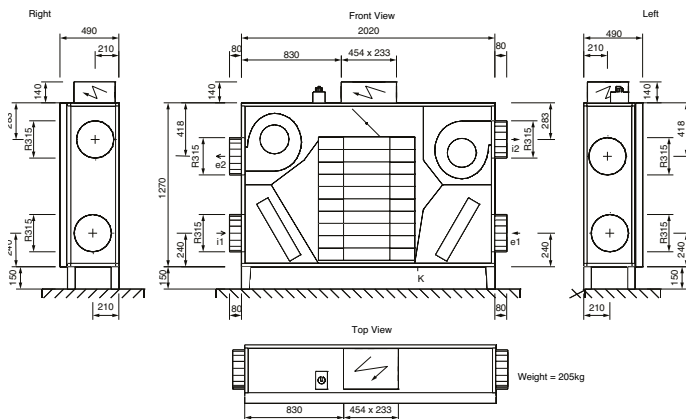
Supply

Description	t [°C]	rh [%]	
e1	Outdoor Air	22.0	35
e2	Supply Air	25.0	29

Exhaust

Description	t [°C]	rh [%]	
i1	Extract Air	26.0	50
i2	Exhaust Air	23.0	61

DIMENSIONS



Connections	Type	Diameter	Accessories
e1	Outdoor Air	Ø 315 mm	Shut-off Damper, Flexible Connector
e2	Supply Air	Ø 315 mm	Flexible Connector
i1	Extract Air	Ø 315 mm	Flexible Connector
i2	Exhaust Air	Ø 315 mm	Flexible Connector
K	Condensate Outlet	Ø 21 mm	Condensate Trap

ACCESSORIES

See Duplexvent accessories pages for more details.

* The above figures are example performance measurements. Please use the Duplexvent Selection Software to calculate measurements at other performance levels.

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80000671 - Issue 2 12/22