Duplexvent FLEXI DV3600

Flexi Line Side Entry -
Up to 5620 m³/hr air volume

KEY FEATURES

- Air volume up to 5340 m³/hr @ 200 Pa
- Excellent heat recovery efficiency, up to 93%
- 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	50	67	65	46	36	35	28	<25	<25
Supply air e2	70	71	83	72	62	61	54	48	53
Extract air i1	50	66	65	45	38	34	28	<25	<25
Exhaust air i2	69	69	82	71	61	59	53	47	52
Breakout noise	54	56	67	56	49	44	35	<25	<25
Sound Pressure Level Ld	**dB (A)**	**63**	**125**	**250**	**500**	**1 k**	**2 k**	**4 k**	**8 k**
To the surrounding	33	36	46	36	28	<25	<25	<25	<25

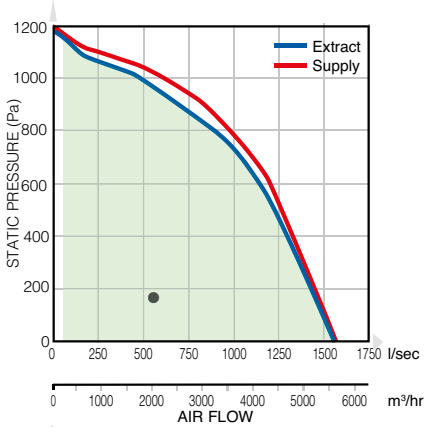
Sound pressure level is measured at 3m distance

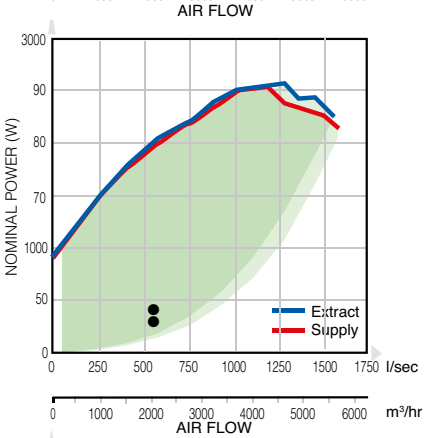
Ventilation		Supply Air	Extract Air
Maximum air volume @ 200 Pa	m³/hr / l/sec	5340 / 1483	5400 / 1500
Air volume @ 250 Pa*	m³/hr / l/sec	2000 / 556	2000 / 556
Nominal voltage	V	400	400
Voltage (at operation point)*	V	400	400
Nominal Power (at operation point)*	W	446	397
Max connection power	W	1480	1480
Max current	A	2.4	2.4
Filters		F7	M5
Fan type		EC	EC

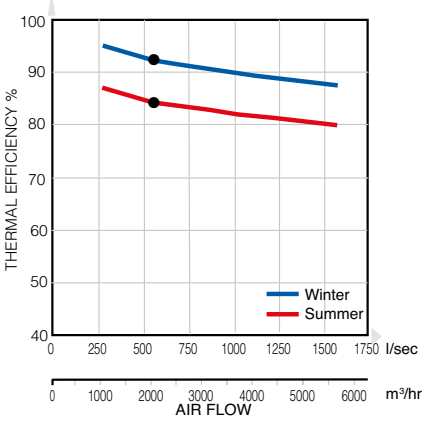
* Note: ● The figures above have been measured at 2000 m³/hr and 250 Pa. Please use the Duplexvent Selection Software to calculate measurements at other performance levels.

Heat Recovery		Supply Air	Extract Air
Maximum air volume @ 200 Pa	m³/hr / l/sec	5340 / 1483	5400 / 1500
Air volume @ 250 Pa*	m³/hr / l/sec	2000 / 556	2000 / 556
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	%	88 / 84	
Performance in winter / summer	kW	19.4 / -2.3	
Condensation	l/h	6.5	
Type of heat exchanger		Counter Flow, Plastic	
Part No.		**90000070**	

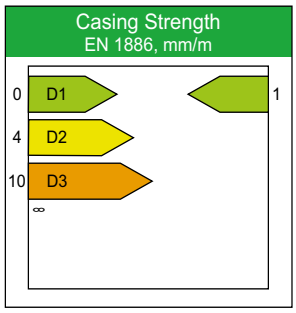
* Note: ● The figures above have been measured at 2000 m³/hr and 250 Pa. Please use the Duplexvent Selection Software to calculate measurements at other performance levels.

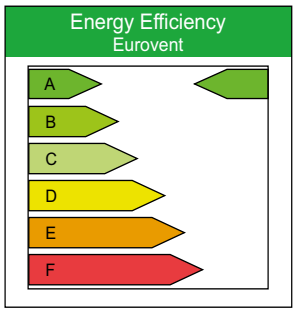






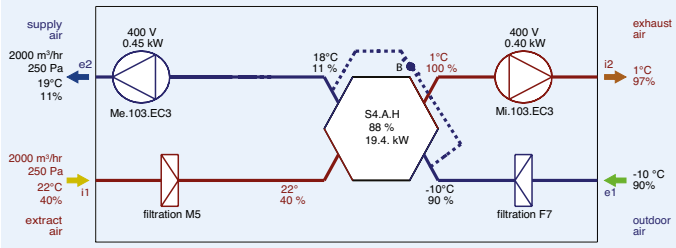
+ excludes motors. Motor warranty one year from date of purchase.





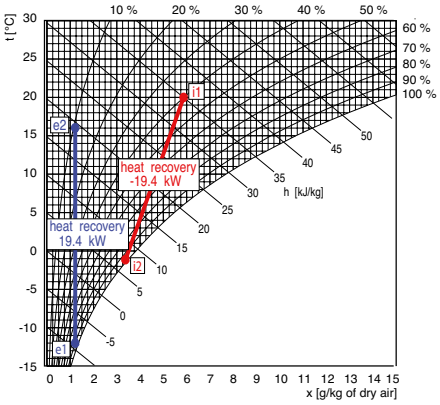
Winter Operation*:

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.

2016 / 2018



Supply

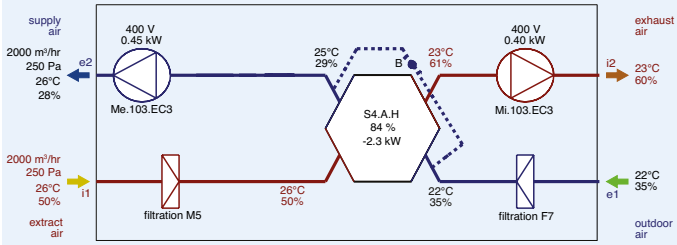
	Description	t [°C]	rh [%]
e1	Outdoor Air	-10.0	90
e2	Supply Air	18.0	11

Exhaust

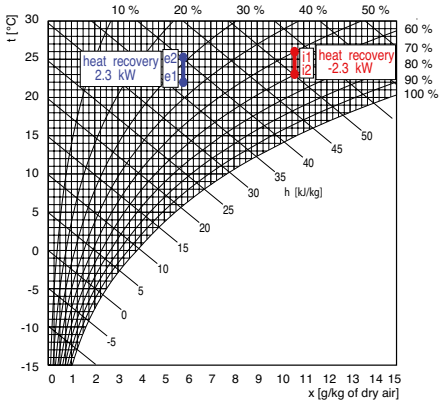
	Description	t [°C]	rh [%]
i1	Extract Air	22.0	40
i2	Exhaust Air	1.0	100

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.



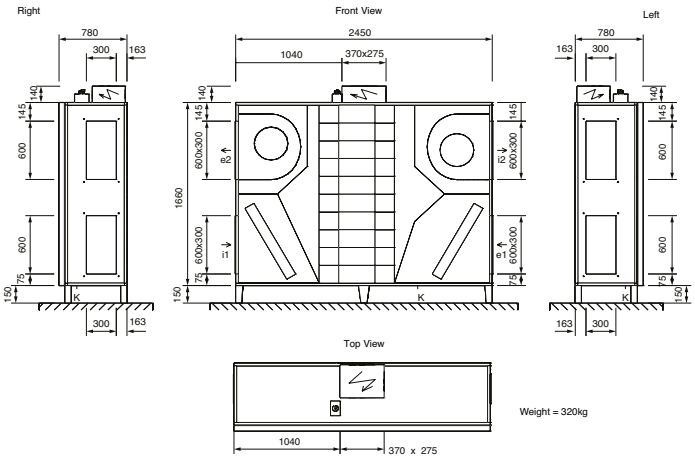
Supply

	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	600 x 300 mm	Shut-off Damper, Flexible Connector
e2	Supply Air	600 x 300 mm	Flexible Connector
i1	Extract Air	600 x 300 mm	Flexible Connector
i2	Exhaust Air	600 x 300 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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