



**VERTICAL
UP-BLAST
ROOF
EXTRACT
RANGE**



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ABOUT
VERTICAL UP-BLAST UNITS

Our Vertical Up-Blast range of roof extract units are the perfect fit for commercial high-temperature and ambient applications.

The range is also ideal for commercial applications such as kitchens, cinemas, theatres or shopping centres. These high-performance units are mounted on the roof in a vertical orientation, saving space and eliminating the need for void space installation.

Units feature a bifurcated arrangement with the motor out of the airstream. This technology means that the motor cannot be damaged over time by a build-up of grease or any other air pollutants. Units are also manufactured from a seawater-resistant aluminium casing, making them suitable for coastal applications.

CODING NVU315-2F8

NVU 315 – 2 F8

1

2

3

4

SAMPLE CODING

- 1. NVU range
- 2. Unit size
- 3. Motor pole
- 4. F8 – Operating temperature (400°C/2hr)



“Our expertise, experience and innovation is what makes us stand out from the rest of the market.”

Wayne Glover, Managing Director, Nuaire.



BIFURCATED MOTOR

‘Out of the airstream’ motors are ideal for dirty extract or grease-laden air.



QUIET OPERATION

Metal construction reduces overall noise levels.



DEMAND VENTILATION

Fully speed controllable.

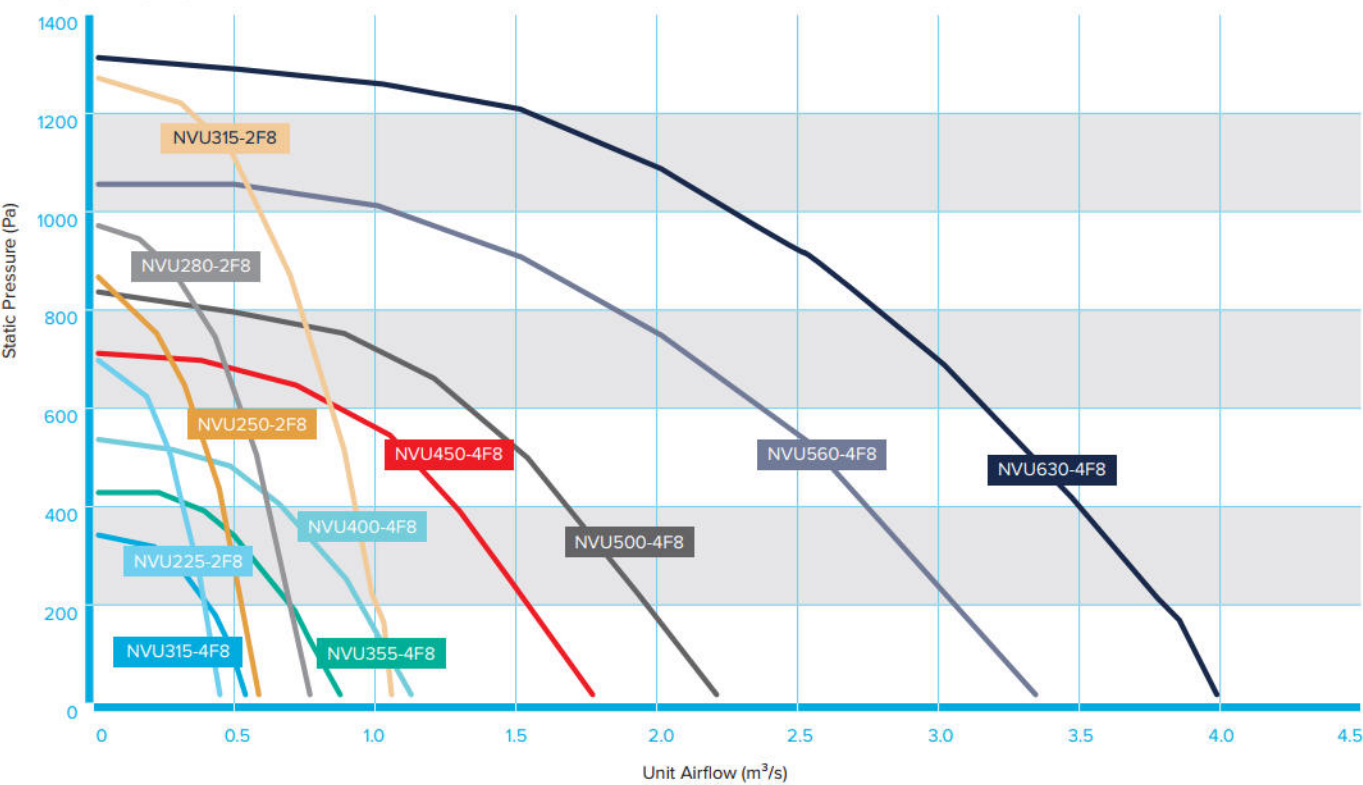


DUAL OPERATION

Suitable for 200°C and one-off 400°C/2hr.

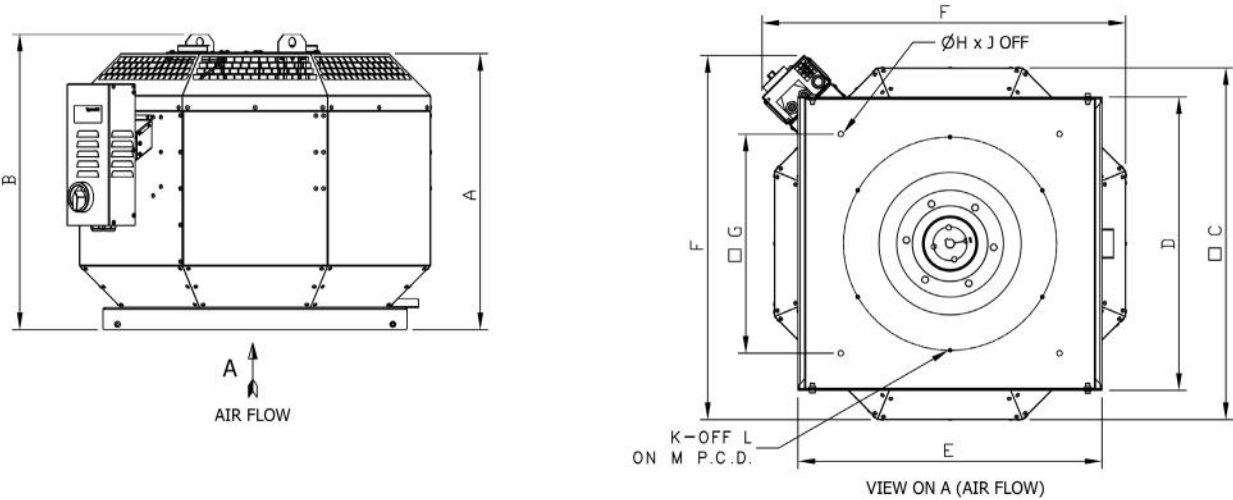
VERTICAL UP-BLAST ROOF EXTRACT UNITS
PERFORMANCE & TECHNICAL INFORMATION

PERFORMANCE CHART



TECHNICAL INFORMATION

CODE	PHASE	MOTOR POLE	INPUT POWER (kW)	FAN SPEED (rpm)	FLC (A)	SC (A)	OPERATING TEMPERATURE (°C)	
							ONE-OFF EMERGENCY OPERATION	DAY-TO-DAY OPERATION
NVU225-2F8	3	2	0.284	2930	0.8	7.02	400/2hr	200
NVU250-2F8	3	2	0.425	2885	1.1	7.02	400/2hr	200
NVU280-2F8	3	2	0.627	2810	1.1	7.02	400/2hr	200
NVU315-2F8	3	2	1.1	2870	2.2	17.2	400/2hr	200
NVU315-4F8	3	4	0.202	1480	0.8	8.12	400/2hr	200
NVU355-4F8	3	4	0.312	1470	0.8	8.12	400/2hr	200
NVU400-4F8	3	4	0.492	1450	1	8.12	400/2hr	200
NVU450-4F8	3	4	0.901	1470	2.3	18.2	400/2hr	200
NVU500-4F8	3	4	1.342	1450	2.6	18.2	400/2hr	200
NVU560-4F8	3	4	2.42	1440	4.5	37	400/2hr	200
NVU630-4F8	3	4	4.115	1455	8.1	57.4	400/2hr	200



DIMENSIONS (mm) & WEIGHT (kg)

CODE	A	B	C	D	E	F	G	H	J	K	L	M	WEIGHT
NVU225-2F8	467	484	452	341	363	517	245	9	4	6	M6 x 15	213	28.5
NVU250-2F8	467	484	452	341	363	517	245	9	4	6	M6 x 15	213	28.9
NVU280-2F8	512	531	569	441	464	617	330	11	4	6	M6 x 15	286	34.5
NVU315-2F8	512	529	569	441	464	624	330	11	4	6	M6 x 15	286	39.5
NVU315-4F8	512	529	569	441	464	624	330	11	4	6	M6 x 15	286	39
NVU355-4F8	565	605	722	602	625	747	450	11	4	6	M6 x 15	438	48.1
NVU400-4F8	565	605	722	602	625	747	450	11	4	6	M6 x 15	438	50.4
NVU450-4F8	737	776	902	674	697	901	535	11	4	6	M6 x 15	438	82.5
NVU500-4F8	737	776	902	674	697	901	535	11	4	6	M6 x 15	438	83.7
NVU560-4F8	778	818	1136	936	944	1011	750	11	4	8	M8 x 20	605	127
NVU630-4F8	778	818	1136	936	944	1011	750	11	4	8	M8 x 20	605	137



VERTICAL UP-BLAST ROOF EXTRACT UNITS
PERFORMANCE & TECHNICAL INFORMATION

SOUND DATA

CODE	SOUND POWER LEVELS (db re 1pw)	FREQUENCY (HZ)								OPEN INLET/ OUTLET (dBA)
		63	125	250	500	1K	2K	4K	8K	
NVU225-2F8	Induct Inlet	85	80	83	76	71	68	73	66	-
	Open Inlet	73	73	80	75	71	68	73	66	58
	Open Outlet	70	75	82	78	73	71	69	64	59
NVU250-2F8	Induct Inlet	83	85	85	80	74	72	71	73	-
	Open Inlet	71	78	82	79	74	72	71	73	60
	Open Outlet	75	81	86	82	79	76	71	70	64
NVU280-2F8	Induct Inlet	86	86	89	84	77	73	72	74	-
	Open Inlet	76	80	87	83	77	73	72	74	63
	Open Outlet	77	83	94	85	82	78	72	71	68
NVU315-2F8	Induct Inlet	87	87	92	88	81	76	73	71	-
	Open Inlet	77	81	90	87	81	76	73	71	67
	Open Outlet	80	84	98	89	85	81	75	72	71
NVU315-4F8	Induct Inlet	82	80	75	70	62	59	60	65	-
	Open Inlet	72	74	73	69	62	59	60	65	50
	Open Outlet	73	77	77	71	67	62	59	62	53
NVU355-4F8	Induct Inlet	75	83	75	70	64	68	65	66	-
	Open Inlet	67	79	73	70	64	68	65	66	53
	Open Outlet	70	81	76	72	69	66	64	64	54
NVU400-4F8	Induct Inlet	86	88	81	76	71	69	70	66	-
	Open Inlet	78	84	79	76	71	69	70	66	58
	Open Outlet	80	86	82	78	75	69	68	62	60
NVU450-4F8	Induct Inlet	78	90	81	75	69	67	66	63	-
	Open Inlet	71	86	80	75	69	67	66	63	57
	Open Outlet	76	89	85	79	76	70	67	62	61
NVU500-4F8	Induct Inlet	81	96	85	78	75	72	69	72	-
	Open Inlet	74	92	84	78	75	72	69	72	61
	Open Outlet	76	92	87	82	79	73	70	70	64
NVU560-4F8	Induct Inlet	81	98	90	81	76	75	70	64	
	Open Inlet	76	96	89	81	76	75	70	64	65
	Open Outlet	82	98	89	85	81	77	73	66	67
NVU630-4F8	Induct Inlet	96	102	98	91	88	84	80	78	-
	Open Inlet	91	100	97	91	88	84	80	78	73
	Open Outlet	93	104	98	94	89	85	80	73	75

dBA for Spherical free field radiation at a distance of 3m.

VERTICAL UP-BLAST ROOF EXTRACT UNITS
CONSULTANT SPECIFICATION

OPERATION

Vertical Up-Blast (Dual Purpose) roof-mounted extract range, suitable for continuous operation up to a maximum temperature of 200°C and once-off emergency extract 400°C for a maximum of 2 hours.

Independently tested and certified to EN12101-3 (2015) for emergency extract. Range compliant with ErP 2015 efficiency directive 327/2011.

Case fabrication is from seawater-resistant aluminium with integrated grease pan and drain suitable for kitchen extract applications.

The driven impeller incorporated is a backward-curved centrifugal type, offering optimum operation efficiencies.

The motor is direct driven, IE3 Premium efficiency, IP55, Class F insulation, 400/3/50Hz situated outside of the airstream and is suitable for variable frequency speed control.

Unit is fitted with an IP55 pre-wired lockable isolator, tested and approved in conjunction with the fan ventilator to EN12101-3.

COMMERCIAL

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