

## APPLICATION

- Roof fans, exhaust RF are designed for ventilation systems of buildings with low levels of air pollution.
- They are used in exhaust systems of residential buildings, supermarkets, industrial halls, workshops, warehouses, toilets, garages, parking lots, outhouse and others.

## CONSTRUCTION

- Rotors with backward blades in RF are made of plastic or galvanized steel (depending on the model).
- The base and housing are made of aluminum sheet, canopy made of aluminum, protective mesh made of galvanized sheet steel.
- The fans are designed for vertical work and are suitable for mounting on flat roofs where appropriate roof supports can be installed on sloping roofs.
- Working temperature  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ , depending on model.

## MOTOR

- Single phase 230V, 50Hz or three phase 400V, 50Hz induction motor with external rotor.
- Motors adapted for smooth speed control.
- The motors have a thermal overload protection.



Protective mesh



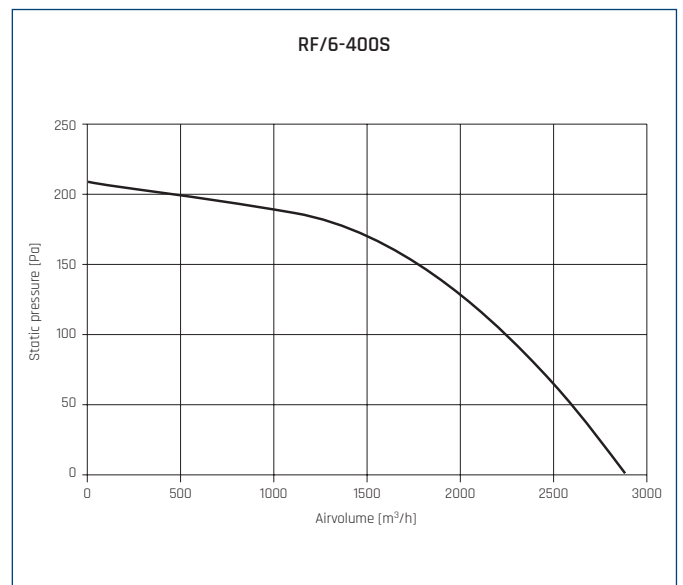
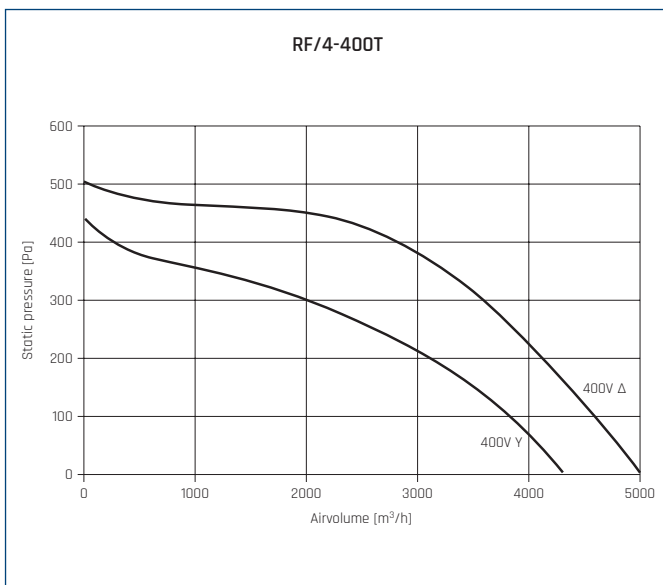
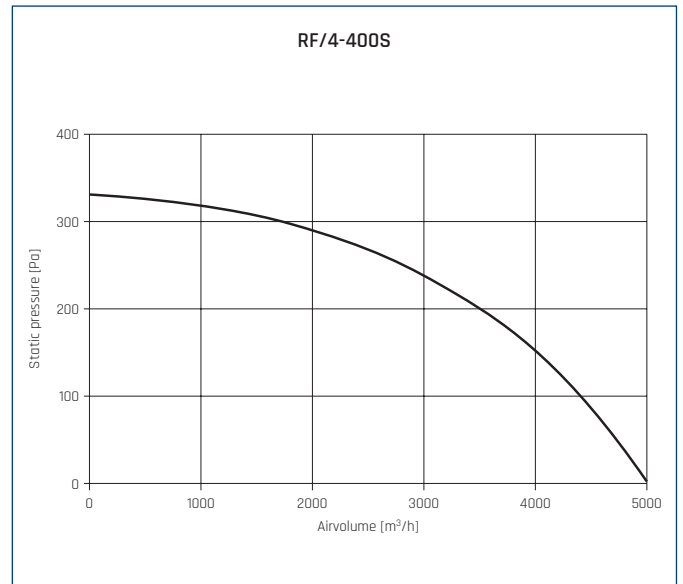
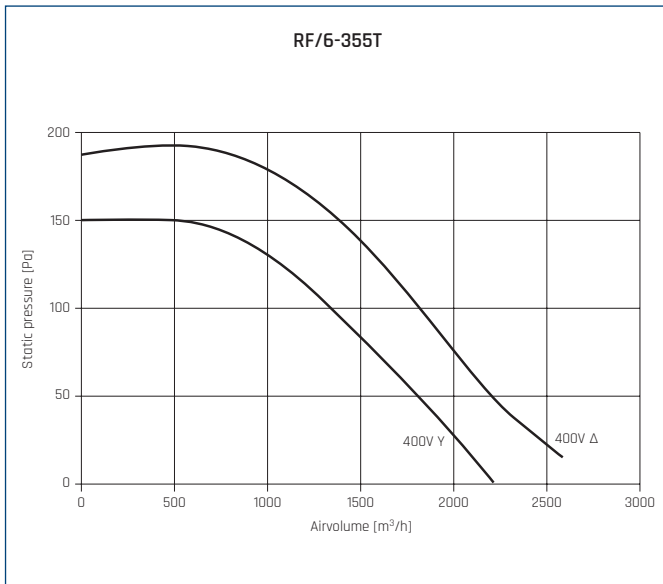
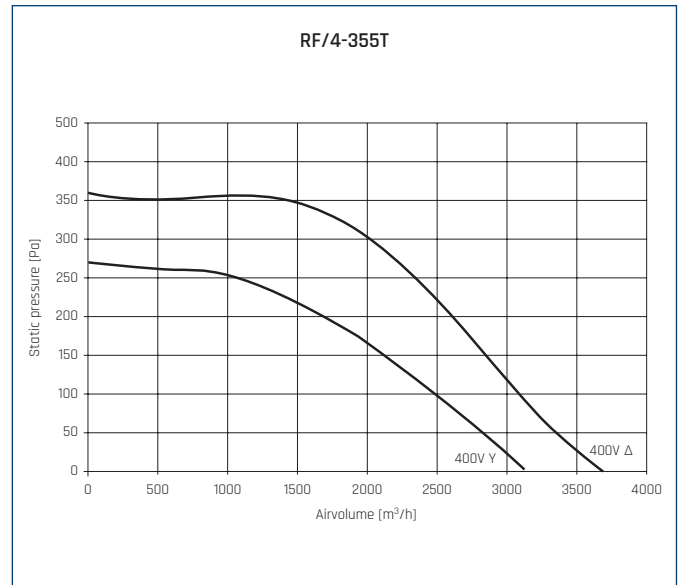
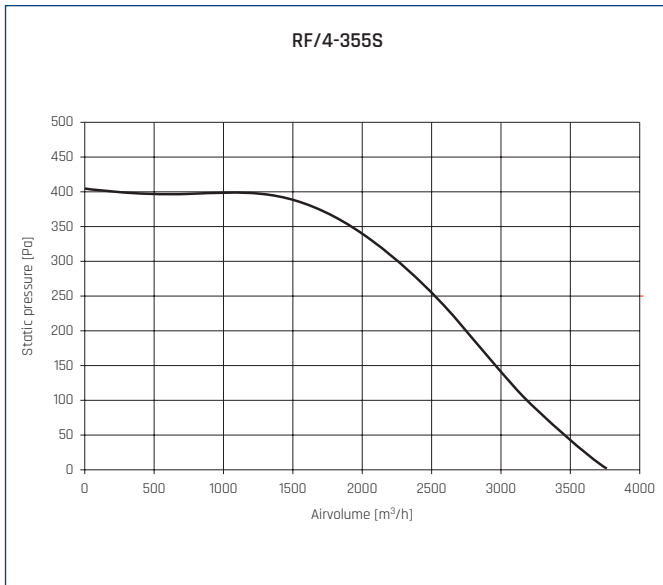
Easy access to the terminal box

## TECHNICAL CHARACTERISTICS

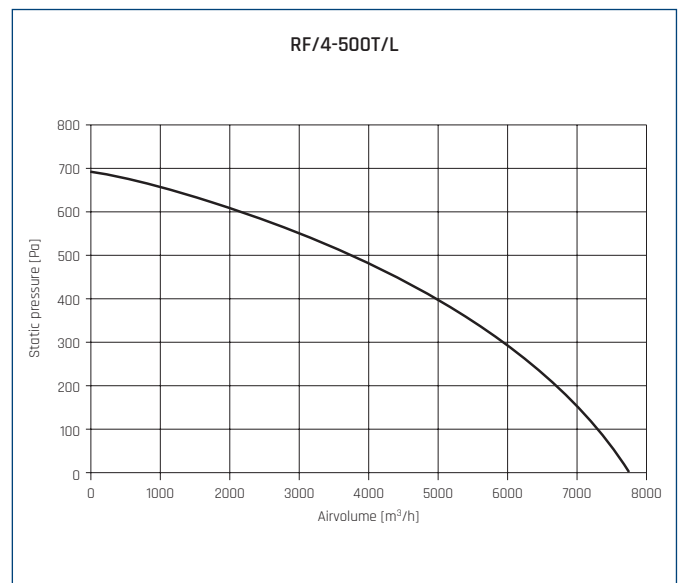
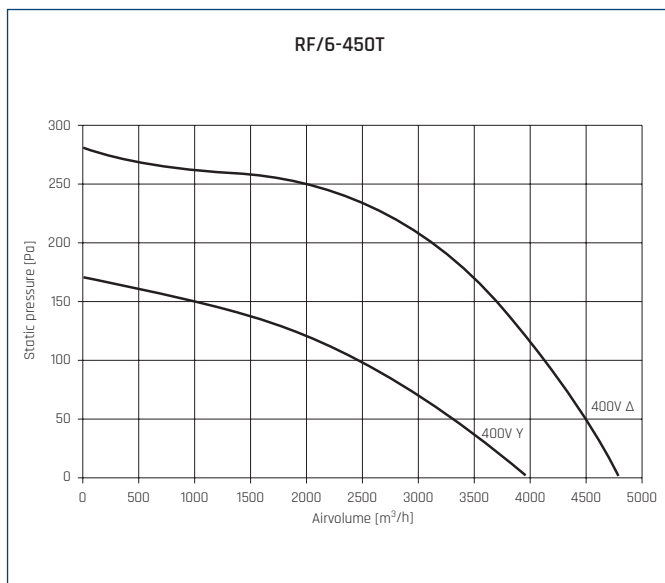
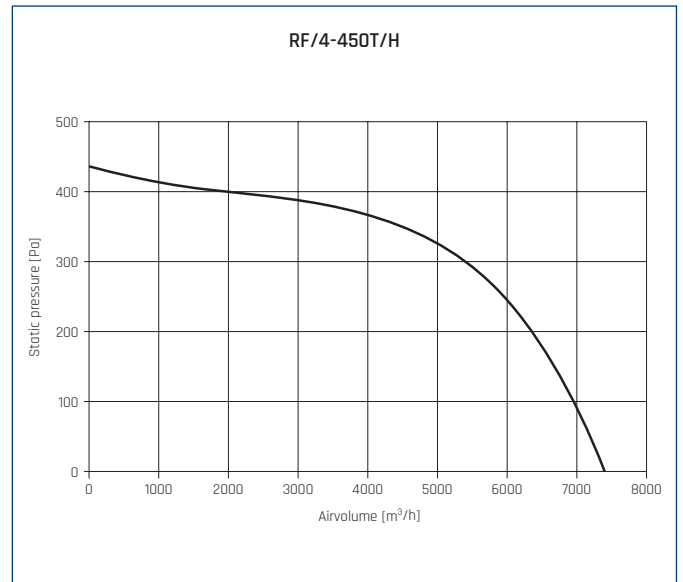
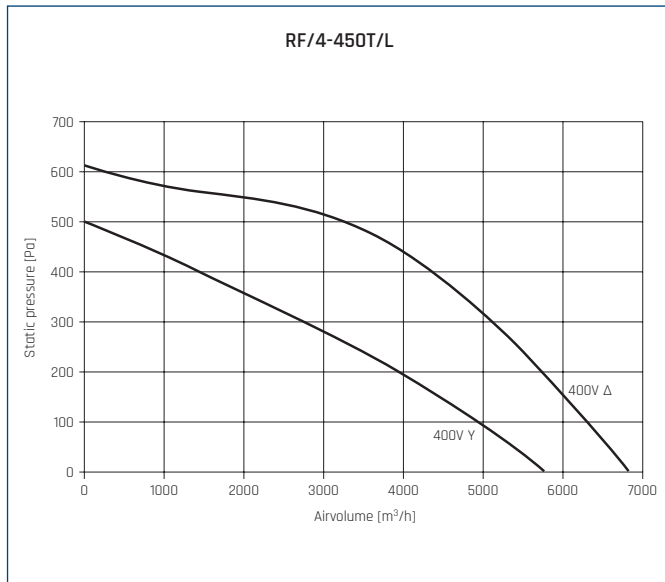
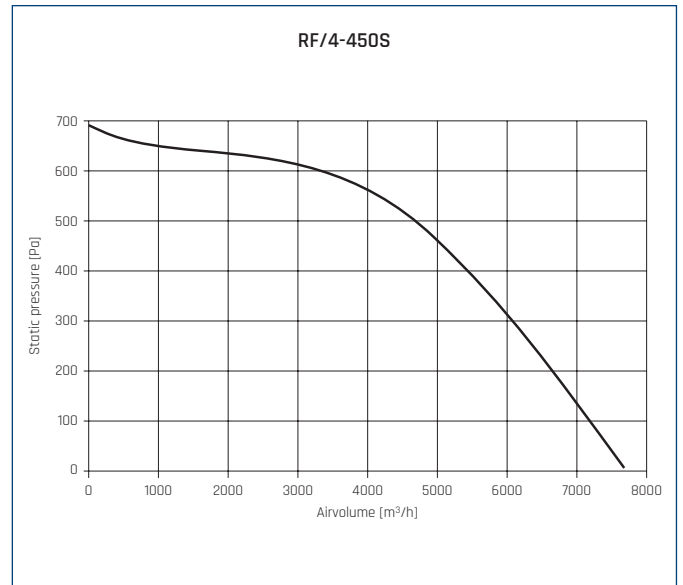
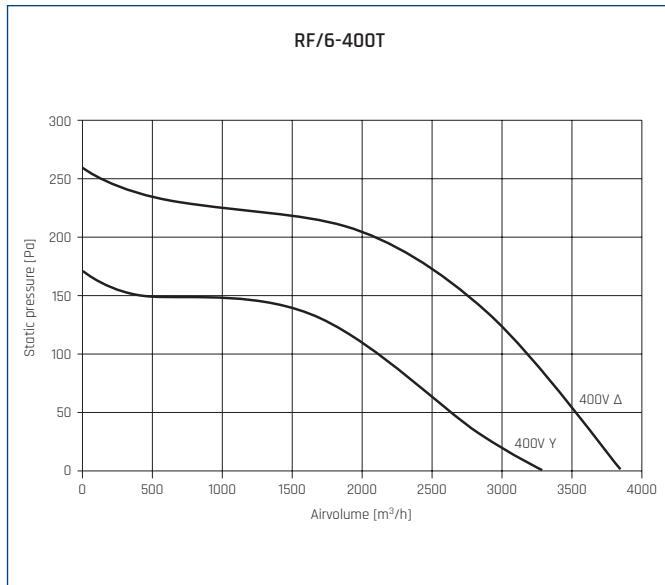
Type	max abs. power	speed	voltage	max absorbed current	airflow at free discharge.	pressure max.	sound pressure level*	operating temp. max	weight	insulation class / safety class IP	regulator	ErP	article number
	[W]	[r.p.m.]	[V]	[A]	[m <sup>3</sup> /h]	[Pa]	[dB(A)]	[°C]	[kg]				
RF/4-355S	540	1398	230	2,3	3750	405	69	60	19	F/54	REB 5/RVS 3	2018	43528120
RF/4-355T	440	1352	400Δ	1	3700	400	67	60	19	F/54	RMT 1,5/Inverter 0,4kW	2018	43528125
	310	1106	400Y	0,54	3100	300	62						
RF/6-355T	180	962	400Δ	0,47	2700	190	58	70	19	F/54	RMT 1,5/Inverter 0,4kW	2018	43528135
	110	807	400Y	0,2	2200	150	55						
RF/4-400S	580	1270	230	2,6	5000	330	70	60	23	F/54	REB 5/RVS 3	2018	43528140
RF/4-400T	640	1408	400Δ	1,3	5000	500	71	70	22	F/54	RMT 1,5/Inverter 0,75kW	2018	43528142
	460	1140	400Y	0,8	4300	440	69						
RF/6-400S	180	931	230	0,7	2900	210	64	70	22	F/54	TLR 2,5/RVS 3	2018	43528145
RF/6-400T	270	952	400Δ	0,59	3850	260	61	70	21	F/54	RMT 1,5/Inverter 0,4kW	2018	43528146
	165	690	400Y	0,3	3300	170	56						
RF/4-450S	1270	1390	230	5,3	7700	700	72	60	35	F/54	REB 10/RVS 7	2018	43528150
RF/4-450T/L	1020	1388	400Δ	2	6850	610	75	70	32	F/54	RMT 2,5/Inverter 0,75kW	2018	43528151
	700	982	400Y	1,2	5800	500	71						
RF/4-450T/H	1000	1370	400	3,4	7400	440	76	60	29	F/54	RMT 5/Inverter 1,5kW	2018	43528152
RF/6-450T	410	912	400Δ	0,8	4800	280	63	80	25	F/54	RMT 1,5/Inverter 0,4kW	2018	43528155
	225	660	400Y	0,4	4000	170	60						
RF/4-500T/L	1250	1360	400	2,8	7800	690	72	60	43	F/54	RMT 5/Inverter 1,5kW	2018	43528161
RF/6-500S/L	490	925	230	2,2	5800	330	69	60	36	F/54	REB 5/RVS 3	2018	43528162
RF/6-500S/H	540	900	230	2,5	6600	225	66	60	40	F/54	REB 5/RVS 3	2018	43528165
RF/6-500T	390	920	400	0,8	5200	290	65	60	36	F/54	RMT 1,5/Inverter 0,4kW	2018	43528164
RF/4-560T/L	2770	1364	400Δ	4,9	13800	880	75	40	55	F/54	RMT 8/Inverter 2,2kW	2018	43528170
	1540	975	400Y	2,74	11000	625	68						
RF/4-560T/H	2513	1333	400	4,6	14600	640	75	45	51	F/54	RMT 8/Inverter 2,2kW	2018	43528172
RF/6-560S	840	890	230	4,2	9800	285	65	60	48	F/54	REB 10/RVS 7	2018	43528174
RF/6-560T	910	966	400Δ	1,9	10000	400	68	70	48	F/54	RMT 2,5/Inverter 0,75kW	2018	43528176
	570	743	400Y	1	8800	300	63						
RF/6-630T	2420	967	400Δ	4,69	15750	570	74	60	83	F/54	RMT 8/Falownik 2,2kW	2018	43528180
	1700	802	400Y	2,9	13800	455	70						

\* measurement made at a distance of 1,5m from the outlet.

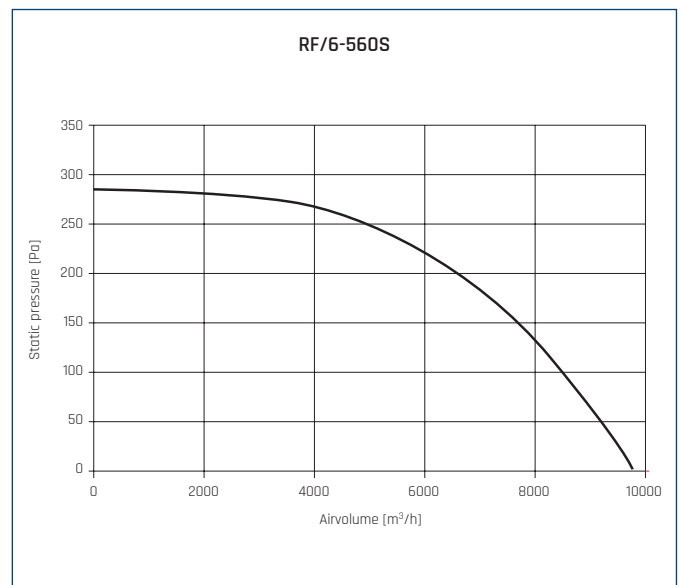
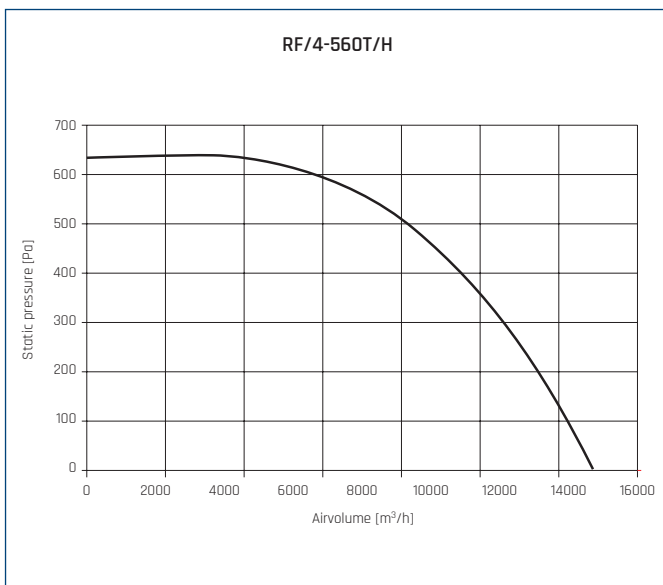
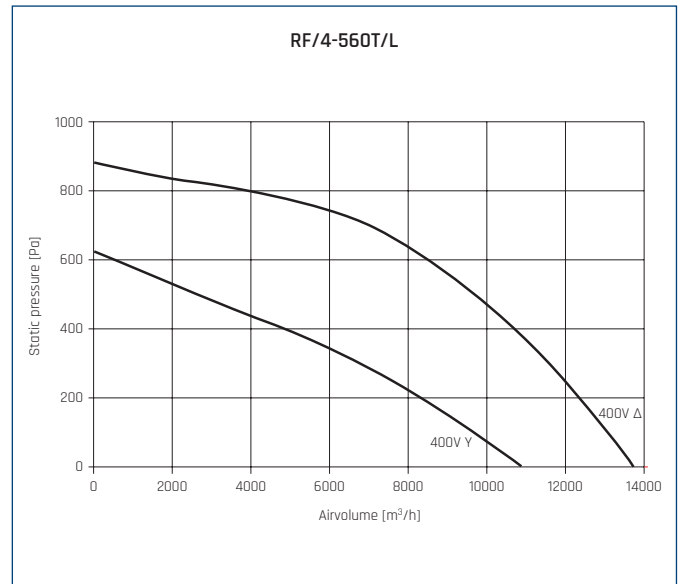
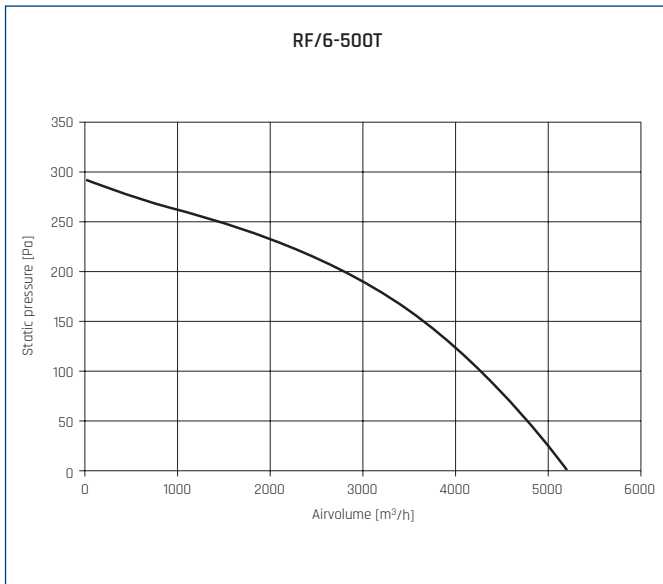
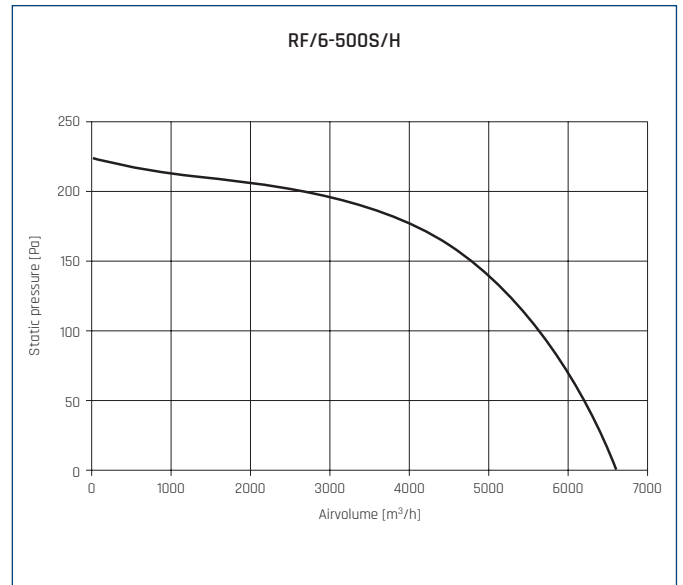
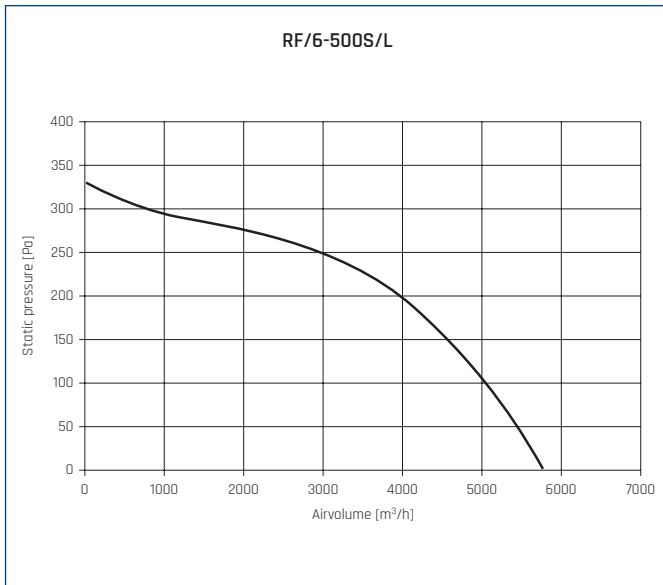
## PERFORMANCE CURVES



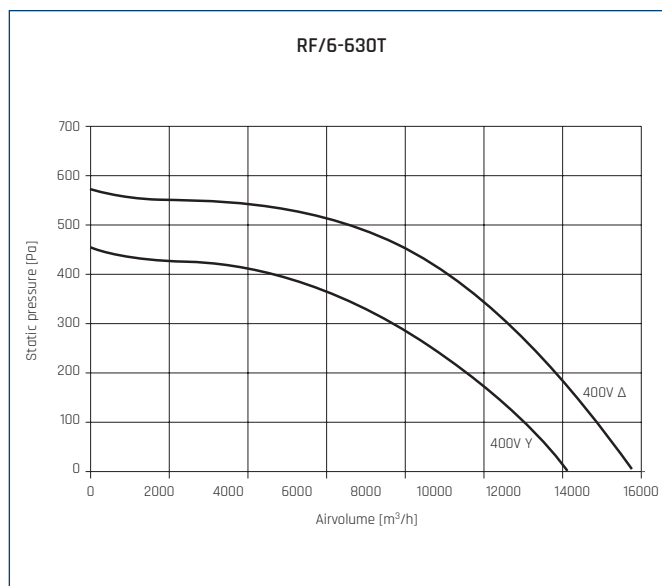
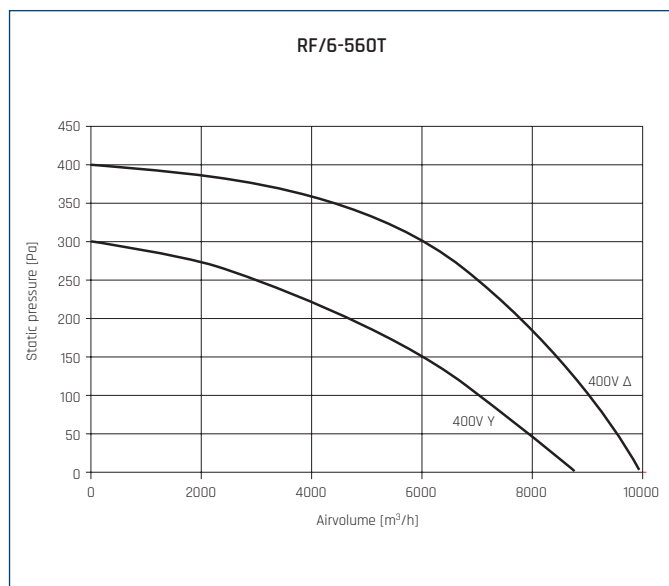
## PERFORMANCE CURVES



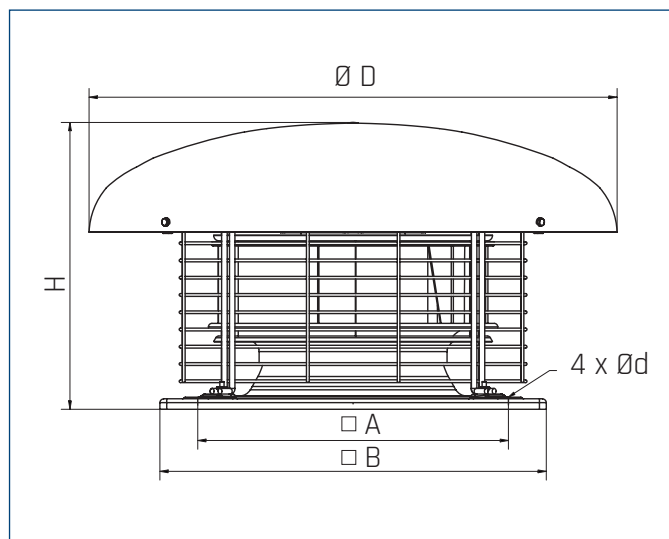
## PERFORMANCE CURVES



## PERFORMANCE CURVES



## DIMENSIONS [mm]



Type	□A	□B	ØD	Ød	H
RF/x-355x	450	560	765	12	416
RF/x-400x	450	560	765	12	416
RF/4-450T/H	535	630	765	12	421
RF/x-450x	535	630	765	12	458
RF/x-500x	590	710	1000	12	535
RF/x-560x	750	900	1000	14	632
RF/x-630x	750	900	1000	14	723

## ACOUSTIC CHARACTERISTICS

Sound power level at the fan inlet in dB (A) for different frequency ranges in three points of characteristics:

Type		63	125	250	500	1000	2000	4000	8000	L <sub>WA</sub>
RF/4-355S	Qmax	44	63	67	72	69	67	78	71	80
	2/3 Qmax	45	60	64	69	66	64	74	66	77
	1/3 Qmax	42	55	60	63	62	62	68	63	72
RF/4-355T	Qmax	44	63	67	72	69	67	78	71	80
	2/3 Qmax	45	60	64	69	66	64	74	66	77
	1/3 Qmax	42	55	60	63	62	62	68	63	72
RF/6-355T	Qmax	35	54	58	63	60	58	69	62	71
	2/3 Qmax	37	52	56	61	58	56	66	58	69
	1/3 Qmax	34	47	52	55	54	54	60	55	64
RF/4-400S	Qmax	46	62	68	73	71	75	89	67	89
	2/3 Qmax	47	62	67	70	66	68	69	53	75
	1/3 Qmax	49	60	64	68	65	66	60	54	73
RF/4-400T	Qmax	46	62	68	73	71	75	89	67	89
	2/3 Qmax	47	62	67	70	66	68	69	53	75
	1/3 Qmax	49	60	64	68	65	66	60	54	73
RF/6-400S	Qmax	32	51	58	62	59	65	61	47	69
	2/3 Qmax	27	45	51	56	53	55	52	42	61
	1/3 Qmax	24	44	45	50	50	51	47	41	56
RF/6-400T	Qmax	40	55	63	66	65	75	65	50	76
	2/3 Qmax	37	49	55	58	56	62	51	40	65
	1/3 Qmax	46	52	57	59	56	53	46	40	63
RF/4-450S	Qmax	53	72	78	81	80	77	73	63	86
	2/3 Qmax	52	68	74	77	75	72	64	58	81
	1/3 Qmax	49	62	69	70	69	68	60	56	75
RF/4-450T/L	Qmax	47	66	72	74	72	76	68	60	80
	2/3 Qmax	41	60	62	64	65	69	62	53	73
	1/3 Qmax	54	67	68	68	67	66	59	52	74
RF/4-450T/H	Qmax	43	60	64	67	68	70	70	63	76
	2/3 Qmax	37	58	62	65	67	68	68	61	74
	1/3 Qmax	34	56	60	63	65	66	63	56	71
RF/6-450T	Qmax	44	63	69	72	71	68	64	54	77
	2/3 Qmax	43	59	65	68	66	63	55	49	72
	1/3 Qmax	39	52	59	60	59	58	50	46	65
RF/4-500T/L	Qmax	49	68	70	70	71	70	70	65	78
	2/3 Qmax	46	65	67	68	67	65	66	62	75
	1/3 Qmax	44	62	62	66	64	60	59	58	71
RF/6-500S/L	Qmax	43	60	67	70	69	73	72	70	78
	2/3 Qmax	39	55	62	65	64	65	65	57	72
	1/3 Qmax	34	54	57	59	62	64	61	54	69
RF/6-500S/H	Qmax	43	58	66	63	65	66	64	58	72
	2/3 Qmax	32	55	65	61	63	63	61	54	70
	1/3 Qmax	32	55	65	59	61	62	57	48	69
RF/6-500T	Qmax	47	55	60	63	64	61	56	68	71
	2/3 Qmax	43	53	57	62	63	57	51	63	68
	1/3 Qmax	41	49	55	60	60	55	50	55	65
RF/4-560T/L	Qmax	50	67	69	72	73	73	73	69	80
	2/3 Qmax	43	60	67	69	71	71	70	66	77
	1/3 Qmax	43	60	64	68	69	69	67	61	75
RF/4-560T/H	Qmax	50	67	70	73	74	74	74	70	81
	2/3 Qmax	43	61	68	70	72	71	70	66	78
	1/3 Qmax	43	60	64	68	70	70	67	61	76

Type		63	125	250	500	1000	2000	4000	8000	L <sub>WA</sub>
RF/6-560S	Qmax	47	62	64	66	67	67	65	61	74
	2/3 Qmax	38	58	61	63	64	63	60	54	70
	1/3 Qmax	42	57	60	62	63	62	58	51	69
RF/6-560T	Qmax	45	64	70	70	71	77	85	66	86
	2/3 Qmax	40	61	64	64	65	72	81	62	82
	1/3 Qmax	37	54	57	58	64	61	54	49	67
RF/6-630T	Qmax	61	72	78	77	81	78	66	61	85
	2/3 Qmax	57	67	73	71	75	70	62	58	79
	1/3 Qmax	55	62	69	67	74	68	62	59	77

## ACOUSTIC CHARACTERISTICS

Sound power level at the fan inlet in dB (A) for different frequency ranges in three points of characteristics:

Type		63	125	250	500	1000	2000	4000	8000	L <sub>WA</sub>
RF/4-355S	Qmax	50	62	66	71	72	68	66	51	77
	2/3 Qmax	52	60	64	69	70	67	62	50	75
	1/3 Qmax	50	58	62	67	67	64	59	48	72
RF/4-355T	Qmax	50	62	66	70	70	67	66	51	76
	2/3 Qmax	52	59	64	69	69	65	60	49	74
	1/3 Qmax	50	58	62	67	67	64	59	48	72
RF/6-355T	Qmax	49	54	57	61	62	62	57	39	67
	2/3 Qmax	44	49	55	58	59	56	52	38	64
	1/3 Qmax	40	44	48	55	52	49	44	35	58
RF/4-400S	Qmax	56	67	74	78	80	76	72	60	84
	2/3 Qmax	53	64	70	73	75	71	68	58	79
	1/3 Qmax	50	61	67	69	72	67	60	50	76
RF/4-400T	Qmax	56	67	75	79	81	77	73	60	85
	2/3 Qmax	53	64	71	74	76	72	68	58	80
	1/3 Qmax	51	61	67	70	73	68	61	51	77
RF/6-400S	Qmax	46	59	64	65	69	67	63	50	73
	2/3 Qmax	45	57	61	63	66	62	58	45	70
	1/3 Qmax	44	54	58	62	62	57	51	40	67
RF/6-400T	Qmax	56	57	63	68	70	67	57	41	74
	2/3 Qmax	51	56	61	66	67	65	55	40	72
	1/3 Qmax	47	53	58	64	66	60	50	39	69
RF/4-450S	Qmax	56	67	76	82	84	79	77	65	88
	2/3 Qmax	52	65	73	78	80	76	73	62	84
	1/3 Qmax	50	62	70	74	77	73	70	60	81
RF/4-450T/L	Qmax	54	63	74	80	82	79	72	63	86
	2/3 Qmax	50	60	70	79	79	76	70	62	83
	1/3 Qmax	47	57	67	74	76	71	68	60	80
RF/4-450T/H	Qmax	56	65	76	82	85	81	73	64	88
	2/3 Qmax	53	63	72	80	82	78	70	62	85
	1/3 Qmax	52	60	68	78	79	73	68	61	82
RF/6-450T	Qmax	58	66	70	74	75	72	72	54	80
	2/3 Qmax	55	64	68	72	72	69	65	51	77
	1/3 Qmax	50	60	63	67	70	66	60	50	74
RF/4-500T/L	Qmax	60	72	78	83	87	81	77	65	90
	2/3 Qmax	55	68	72	79	83	77	74	61	85
	1/3 Qmax	52	64	68	74	80	75	72	58	82
RF/6-500S/L	Qmax	58	69	72	76	83	79	74	64	85
	2/3 Qmax	55	67	73	74	81	77	72	62	83
	1/3 Qmax	53	64	67	69	73	69	65	57	76
RF/6-500S/H	Qmax	54	65	68	72	77	74	70	60	80
	2/3 Qmax	53	63	65	68	74	70	68	59	77
	1/3 Qmax	52	62	64	67	72	68	66	57	75
RF/6-500T	Qmax	54	66	72	77	80	75	72	59	83
	2/3 Qmax	52	61	67	71	73	68	67	54	77
	1/3 Qmax	51	59	65	69	71	67	66	52	75
RF/4-560T/L	Qmax	56	70	76	83	85	81	75	61	88
	2/3 Qmax	54	68	75	79	83	80	74	57	86
	1/3 Qmax	52	66	72	77	81	79	73	55	84
RF/4-560T/H	Qmax	57	71	78	83	86	83	77	63	89
	2/3 Qmax	55	69	75	79	84	80	74	60	86
	1/3 Qmax	53	67	73	77	82	79	73	59	85



## ACCESSORY ASSEMBLY



	1	2	3	4	5
Type		swing module	flat roof up stand	flat roof up stand	flat roof up stand
		U	RSS	RS	RSA
RF/X-355		U 560	RSS 560	RS 560	RSA 560
RF/X-400		U 560	RSS 560	RS 560	RSA 560
RF/X-450		U 630	RSS 630	RS 630	RSA 630
RF/X-500		U 710	RSS 710	RS 710	RSA 710
RF/X-560		U 905	RSS 905	RS 905	RSA 905
RF/X-630		U 905	RSS 905	RS 905	RSA 905

	1	6	7	8	9
Type		mounting plate	backflow preventer	connector anti-vibration	stub-pipe
		P	KZD	ZPD	K
RF/X-355		P 560	KZD 560-N	ZPD 560	K 560
RF/X-400		P 560	KZD 560-N	ZPD 560	K 560
RF/X-450		P 630	KZD 630-N	ZPD 630	K 630
RF/X-500		P 710	KZD 710-N	ZPD 710	K 710
RF/X-560		P 905	KZD 905-N	ZPD 905	K 905
RF/X-630		P 905	KZD 905-N	ZPD 905	K 905

## Article numbers

K 560	43526420	KZD 905-N	43527350	RS 710	43526050	RSS 630	43526540	U 560	43527220
K 630	43526430	P 560	43526320	RS 905	43526060	RSS 710	43526550	U 630	43527230
K 710	43526440	P 630	43526330	RSA 560	43526130	RSS 905	43526560	U 710	43527240
K 905	43526450	P 710	43526340	RSA 630	43526140	ZDPO 560	43527420	U 905	43527230
KZD 560-N	43527320	P 905	43526350	RSA 710	43526150	ZDPO 630	43527430		
KZD 630-N	43527330	RS 560	43526030	RSA 905	43526160	ZDPO 710	43527440		
KZD 710-N	43527340	RS 630	43526040	RSS 560	43526530	ZDPO 905	43527450		



## ELECTRICAL ACCESSORIES

Type	wall thermostat	duct thermostat	air quality sensor	humidistat	thyristor controller		
	TS	TK-1	SQA	HIG-2	REB N	REB NE	TLR
RF/4-355S	TS	TK-21	SQA	HIG-2	REB-5	-	-
RF/4-355T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-355T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-400S	TS	TK-21	SQA	HIG-2	REB-5	-	-
RF/4-400T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-400S	TS	TK-21	SQA	HIG-2	REB-2,5 N	REB-2,5 NE	TLR 25 DS
RF/6-400T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-450S	TS	TK-21	SQA	HIG-2	REB-10	-	-
RF/4-450T/L	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-450T/H	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-450T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-500T/L	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-500S/L	TS	TK-21	SQA	HIG-2	REB-5	-	-
RF/6-500S/H	TS	TK-21	SQA	HIG-2	REB-5	-	-
RF/6-500T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-560T/L	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/4-560T/H	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-560S	TS	TK-21	SQA	HIG-2	REB-5	-	-
RF/6-560T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-
RF/6-630T	TS + contactor	TK-21 + contactor	SQA + contactor	HIG-2 + contactor	-	-	-

Type	11-speed thyristor controller	2-adjustable 6-speed thyristor controller	ERV	transformer regulator			transformer regulator 2-adjustable	inverter
	IRF	RND-1		RMB	RVS	RMT	SC2A	
RF/4-355S	IRF-900	-	ERV 3	RMB 3,5	RVS 3	-	SC2A1-25L25	-
RF/4-355T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.4kW
RF/6-355T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.4kW
RF/4-400S	IRF-900	-	ERV 3	RMB 3,5	RVS 3	-	SC2A1-35L25	-
RF/4-400T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.75kW
RF/6-400S	IRF-900	RND-1	ERV 3	RMB 1,5	RVS 3	-	SC2A1-15L25	-
RF/6-400T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.4kW
RF/4-450S	-	-	ERV 10	RMB 8	RVS 7	-	SC2A1-75L25	-
RF/4-450T/L	-	-	-	-	-	RMT 2,5	SC2A4-25L55	L 0.75kW
RF/4-450T/H	-	-	-	-	-	RMT 5	SC2A4-40L55	L 1.5kW
RF/6-450T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.4kW
RF/4-500T/L	-	-	-	-	-	RMT 5	SC2A4-40L55	L 1.5kW
RF/6-500S/L	IRF-900	-	ERV 3	RMB 3,5	RVS 3	-	SC2A1-35L25	-
RF/6-500S/H	IRF-900	-	ERV 3	RMB 3,5	RVS 3	-	SC2A1-35L25	-
RF/6-500T	-	-	-	-	-	RMT 1,5	SC2A4-15L55	L 0.4kW
RF/4-560T/L	-	-	-	-	-	RMT 8	SC2A4-60L55	L 2.2kW
RF/4-560T/H	-	-	-	-	-	RMT 8	SC2A4-60L55	L 2.2kW
RF/6-560S	-	-	ERV 5	RMB 8	RVS 7	-	SC2A1-50L25	-
RF/6-560T	-	-	-	-	-	RMT 2,5	SC2A4-25L55	L 0.75kW
RF/6-630T	-	-	-	-	-	RMT 8	SC2A4-60L55	L 2.2kW

## Article numbers

ERV-10	40025054	L 2.2kW	40016332	RMT-2.5	40025105	SC2-1-35L25	40025254	SC2A4-25L55	40025272
ERV-3	40025046	REB-10	40025055	RMT-5	40025115	SC2-1-50L25	40025256	SC2A4-40L55	40025274
ERV-5	40025053	REB-2.5 N	40025030	RMT-8	40025120	SC2-1-75L25	40025258	SC2A4-60L55	40025276
HIG-2	40025150	REB-2.5 NE	40025040	RND-1	40025630	SC2A1-25L25	40025253	SQA	40025140
IRF-900	40015154	REB-5	40025051	RVS-3	40025234	SC2A1-35L25	40025255	TK-1	40025330
L 0.4kW	40016302	RMB-3.5	40025070	RVS-5	40025235	SC2A1-50L25	40025257	TLR 25 DS	40025045
L 0.75kW	40016312	RMB-8	40025080	RVS-7	40025236	SC2A1-75L25	40025259	TS	40025345
L 1.5kW	40016322	RMT-1.5	40025100	SC2-1-25L25	40025252	SC2A4-15L55	40025270		

## ELECTRICAL ACCESSORIES

									
thermostat TS	thermostat TK-1	sensor SQA	humidistat HIG-2	regulator REB	regulator TLR	regulator IRF	regulator RND-1	regulator ERV	regulator RMB
									
regulator RVS	transformer regulator 2-adjustable	inverter							

## ERP CHARACTERISTICS

		NRVU*						
	Type	RF/4-355S	RF/4-355T	RF/6-355T	RF/4-400S	RF/4-400T	RF/6-400S	RF/6-400T
a	supplier name	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES
b	article number	43528120	43528125	43528135	43528140	43528142	43528145	43528146
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU	UVU	UVU
d	type of drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m <sup>3</sup> /s]	0,53	0,55	0,44	0,78	0,85	0,43	0,84
h	electric power input [kW]	0,49	0,46	0,16	0,52	0,64	0,18	0,24
i	SFPint [W/(m <sup>3</sup> /s)]	925	829	376	669	755	411	289
j	face velocity [m/s]	1,68	1,74	1,37	2,2	2,41	1,22	2,38
k	$\Delta p_{s, ext}$ [Pa]	353	341	133	261	382	167	125
l	$\Delta p_{s, int}$ (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
m	$\Delta p_{s, add}$ (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	38,2	41,1	35,4	38,8	49,5	40,6	43,4
o	maximum external leakage rate [%]	0	0	0	0	0	0	0
p	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
q	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
r	$L_{WA}$ [dB(A)]	70	68	59	71	73	63	63
s	internet address	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu

\* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.

## ERP CHARACTERISTICS

		NRVU*						
	Type	RF/4-450S	RF/4-450T/L	RF/4-450T/H	RF/6-450T	RF/4-500T/L	RF/4-500T/H	RF/6-500S/L
a	supplier name	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES
b	article number	43528150	43528151	43528152	43528155	43528161	43528163	43528162
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU	UVU	UVU
d	type of drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m <sup>3</sup> /s]	1,14	1,26	1,37	0,83	1,33	1,25	1,08
h	electric power input [kW]	1,27	0,99	0,96	0,41	1,22	1,39	0,47
i	SFPint [W/(m <sup>3</sup> /s)]	1115	785	699	492	915	1108	435
j	face velocity [m/s]	2,9	3,21	3,48	2,12	3,03	2,84	2,46
k	$\Delta p_s$ , ext (Pa)	548	385	336	211	434	593	205
l	$\Delta p_s$ , int (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
m	$\Delta p_s$ , add (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	49,9	49,0	48,0	42,9	47,4	53,5	47,2
o	maximum external leakage rate [%]	0	0	0	0	0	0	0
p	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
q	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
r	$L_{wa}$ [dB(A)]	72	77	78	64	72	73	68
s	internet address	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu

\* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.

## ERP CHARACTERISTICS

		NRVU*						
Type		RF/6-500S/H	RF/6-500T	RF/4-560T/L	RF/4-560T/H	RF/6-560S	RF/6-560T	RF/6-630T
a	supplier name	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES
b	article number	43528165	43528164	43528170	43528172	43528174	43528176	43528180
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU	UVU	UVU
d	type of drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive	variable speed drive
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m <sup>3</sup> /s]	1,1	0,99	2,34	2,36	1,66	1,92	2,76
h	electric power input [kW]	0,52	0,35	2,73	2,51	0,82	0,91	2,38
i	SFPint [W/(m <sup>3</sup> /s)]	469	352	1167	1063	495	475	863
j	face velocity [m/s]	2,49	2,25	4,73	4,77	3,35	3,87	4,94
k	$\Delta p_s$ , ext (Pa)	182	152	604	510	218	259	416
l	$\Delta p_s$ , int (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
m	$\Delta p_s$ , add (Pa)	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	38,8	43,2	51,8	47,9	44,0	54,6	48,1
o	maximum external leakage rate [%]	0	0	0	0	0	0	0
p	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
q	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable	not applicable
r	$L_{wa}$ [dB(A)]	66	66	76	77	66	69	74
s	internet address	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu

\* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.