RFH
RFV


RFH


RFV

400 ºC/2h centrifugal roof-mounted extractor fans with vertical or horizontal air outlet

F-400

RFH: 400 ºC/2h centrifugal roof-mounted extractor fans, with horizontal air outlet and aluminium rain cap.
RFV: 400 ºC/2h centrifugal roof-mounted extractor fans, with vertical air outlet and aluminium rain cap.

Fan:
- Galvanised sheet steel support base.
- Impeller with reaction blades, made of galvanised sheet steel.
- Bird control grille.
- Aluminium rain cap.
- Approved in accordance with standard EN 12101-3:2002/AC:2006.

Motor:
- IE3 efficiency motors for powers equal to or greater than 0.75kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Multi voltage motor, special design valid for 220/380V 60Hz, 254/440V 60Hz, 265/460V 60Hz, 277/480V 60Hz.
- Maximum temperature of air to be carried: -25 ºC +120 ºC.

Finish:
- Anti-corrosive finished galvanised sheet steel and aluminium.

On request:
- Special windings for different voltages.
- ATEX-certified Category 3.

Order code

RFH — 280 — 4T — 60Hz

- RFH: 400 ºC/2h centrifugal roof-mounted extractor fans, with horizontal air outlet and aluminium rain cap
  RFV: 400 ºC/2h centrifugal roof-mounted extractor fans, with vertical air outlet and aluminium rain cap
- Size
- Number of motor poles
  4=1680 r/min. 60 Hz
  6=1080 r/min. 60 Hz
  8=900 r/min. 60 Hz
- T= Three-phase

Technical characteristics

60Hz

Model			Speed	Maximum current (A)		Installed power	Maximum flow rate	Sound pressure level dB(A)		Approx. weight
			(r/min)	220-277V	380-480V	(kW)	(m^3/h)	Intake	Discharge	(kg)
RFH	RFV	280-4T	1620	1.66	0.96	0.25	1450	38.85	45.15	25
RFH	RFV	280-4M	1656	0.65		0.25	1450	38.85	45.15	25
RFH	RFV	315-4T	1620	1.66	0.96	0.25	2100	43.05	49.35	25
RFH	RFV	315-4M	1656	0.95		0.25	2100	43.05	49.35	25
RFH	RFV	315-6T	1080	1.51	0.87	0.25	1400	31.50	37.80	25
RFH	RFV	315-6M	1068	0.50		0.25	1400	31.50	37.80	25
RFH	RFV	355-4T	1620	1.66	0.96	0.25	3100	47.25	52.50	32
RFH	RFV	355-4M	1656	1.35		0.25	3100	47.25	52.50	32
RFH	RFV	355-6T	1080	1.51	0.87	0.25	2000	34.65	42.00	33
RFH	RFV	355-6M	1068	0.65		0.25	2000	34.65	42.00	33
RFH	RFV	400-4T	1656	2.92	1.69	0.55	4950	50.40	56.70	35
RFH	RFV	400-4M	1656	3.30		0.55	4950	50.40	56.70	35

Technical characteristics

Model			Speed	Maximum current (A)		Installed power	Maximum flow rate	Sound pressure level dB(A)		Approx. weight
			(r/min)	220-277V	380-480V	(kW)	(m^3/h)	Intake	Discharge	(kg)
RFH	RFV	400-6T	1080	2.24	1.30	0.37	3200	38.85	45.15	35
RFH	RFV	400-6M	1092	0.95		0.37	3200	38.85	45.15	35
RFH	RFV	450-4T	1692	3.10	1.79	0.75	7000	57.75	64.05	52
RFH	RFV	450-4M	1656	4.40		0.75	7000	57.75	64.05	52
RFH	RFV	450-6T	1080	2.24	1.30	0.37	4500	46.20	52.50	51
RFH	RFV	450-6M	1092	1.80		0.37	4500	46.20	52.50	51
RFH	RFV	500-4T	1716	5.96	3.44	1.50	10200	61.95	67.20	60
RFH	RFV	500-6T	1080	2.24	1.30	0.37	6900	49.35	56.70	53
RFH	RFV	500-6M	1092	2.00		0.37	6900	49.35	56.70	53
RFH	RFV	630-6T	1134	4.88	2.82	1.10	12000	53.55	59.85	95
RFH	RFV	630-8T	834	3.53	2.04	0.55	8900	46.20	52.50	95
RFH	RFV	710-6T	1146	9.30	5.30	2.20	17300	56.70	64.05	118
RFH	RFV	710-8T	846	5.63	3.25	1.10	12900	48.30	55.65	102
RFH	RFV	800-6T	1152	16.50	9.46	4.00	24700	60.90	67.20	160
RFH	RFV	800-8T	846	7.10	4.10	1.50	18400	52.50	59.85	142

Acoustic characteristics

The indicated values are determined by measuring the pressure and sound power levels in dB(A) obtained in a free field at a distance of 6 m.

Sound power spectrum Lw(A) in dB(A) per Hz frequency band

Values taken during intake with 2/3 maximum flow rate (2/3Qmax).

Model	63	125	250	500	1000	2000	4000	8000
280-4	35	41	52	55	56	52	50	44
315-4	42	51	56	56	60	59	52	46
315-6	31	40	45	45	49	48	41	35
355-4	46	55	60	60	64	63	56	50
355-6	34	43	48	48	52	51	44	38
400-4	50	56	62	62	65	68	59	53
400-6	39	45	51	51	54	57	48	42
450-4	57	63	69	69	72	75	66	60
450-6	46	52	58	58	61	64	55	49
500-4	62	69	74	74	78	77	70	65
500-6	50	57	62	62	66	65	58	53
630-6	54	60	65	66	70	69	62	55
630-8	47	53	58	59	63	62	55	48
710-6	57	63	68	69	73	72	65	58
710-8	49	55	60	61	65	64	57	50
800-6	61	67	72	73	77	76	69	62
800-8	53	59	64	65	69	68	61	54

Values taken during discharge with 2/3 maximum flow rate (2/3Qmax).

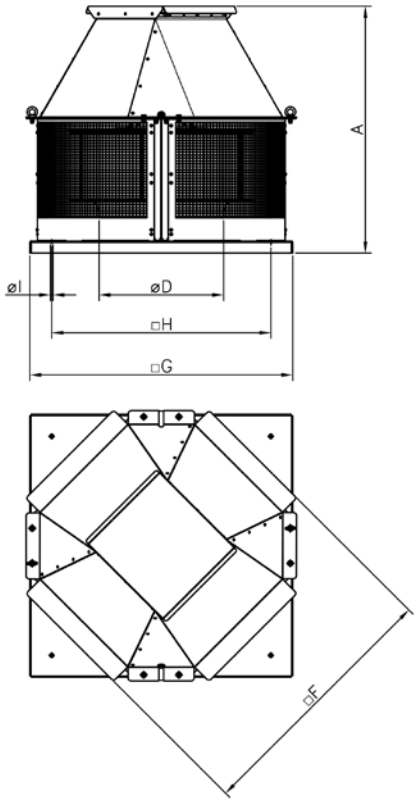
Model	63	125	250	500	1000	2000	4000	8000
280-4	39	44	58	60	61	61	56	51
315-4	41	50	60	64	67	64	57	51
315-6	30	39	49	53	56	53	46	40
355-4	44	53	63	67	70	67	60	54
355-6	34	43	53	57	60	57	50	44
400-4	49	61	69	71	72	72	64	56
400-6	38	50	58	60	61	61	53	45
450-4	56	68	76	78	79	79	71	63
450-6	45	57	65	67	68	68	60	52
500-4	60	72	80	82	83	80	73	65
500-6	50	62	70	72	73	70	63	55
630-6	50	64	72	76	75	72	66	60
630-8	43	57	65	69	68	65	59	53
710-6	54	68	76	80	79	76	70	64
710-8	46	60	68	72	71	68	62	56
800-6	57	71	79	83	72	79	73	67
800-8	50	64	72	76	72	72	66	60

To obtain the Lwa noise power spectra in dB(A) in intake at maximum flow rate (Qmax), add the values set out in the following chart to the LpA sound pressure level given in the characteristic curves:

Frequency band (Hz)							
63	125	250	500	1000	2000	4000	8000
2	9	15	15	18	18	11	5

Dimensions mm

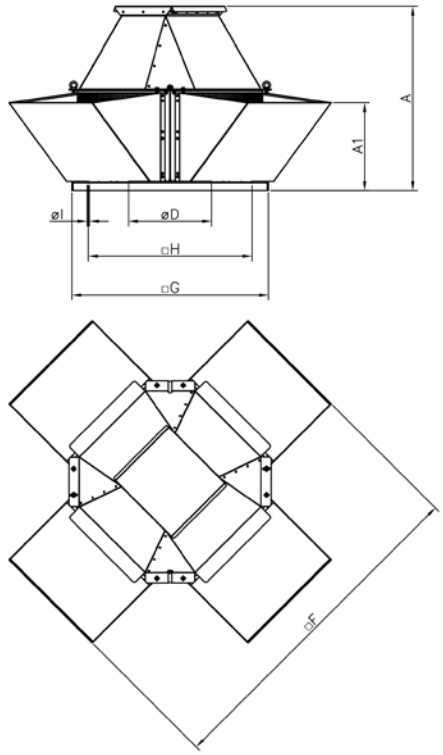
RFH



Model	A	ØD*	F	G	H	ØI
RFH-280	515	250	460	450	360	12
RFH-315	540	250	460	450	360	12
RFH-355	610	355	565	560	450	12
RFH-400	665	355	565	560	450	12
RFH-450	740	500	735	710	590	12
RFH-500	755	500	735	710	590	12
RFH-630	845	630	890	900	750	14
RFH-710	995	710	1110	1100	900	14
RFH-800	1065	710	1110	1100	900	14

(*) Recommended pipe nominal diameter

RFV



Model	A	A1	ØD*	F	G	H	ØI
RFV-280	515	235	250	800	450	360	12
RFV-315	540	235	250	800	450	360	12
RFV-355	610	305	355	1045	560	450	12
RFV-400	665	305	355	1045	560	450	12
RFV-450	740	340	500	1255	710	590	12
RFV-500	755	340	500	1255	710	590	12
RFV-630	845	400	630	1550	900	750	14
RFV-710	995	455	710	1875	1100	900	14
RFV-800	1065	455	710	1875	1100	900	14

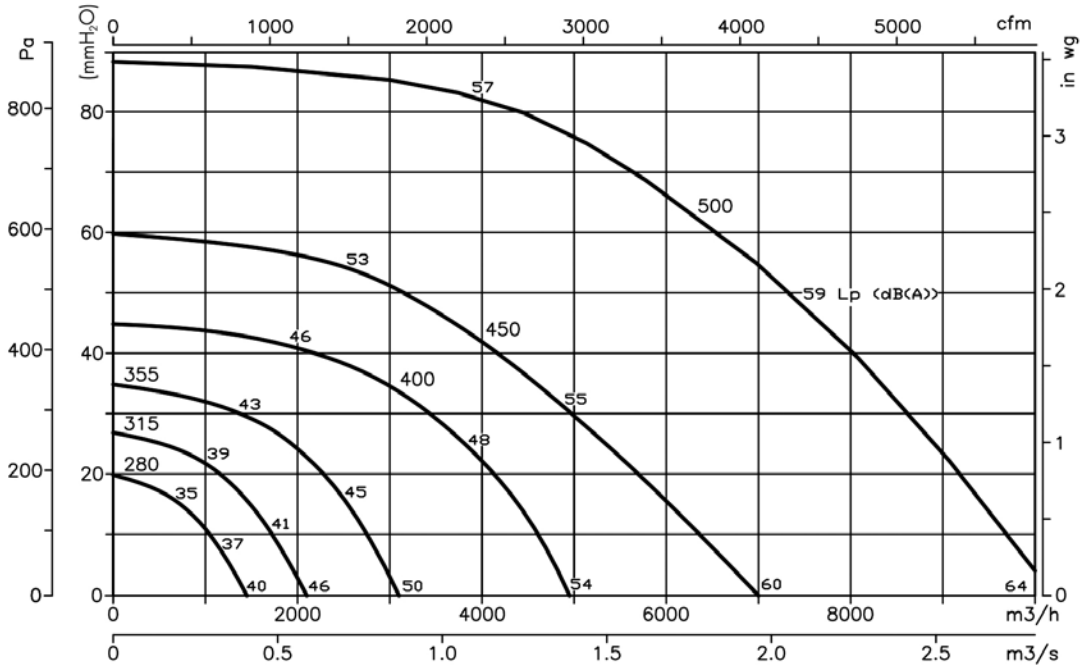
(*) Recommended pipe nominal diameter

Characteristic curves

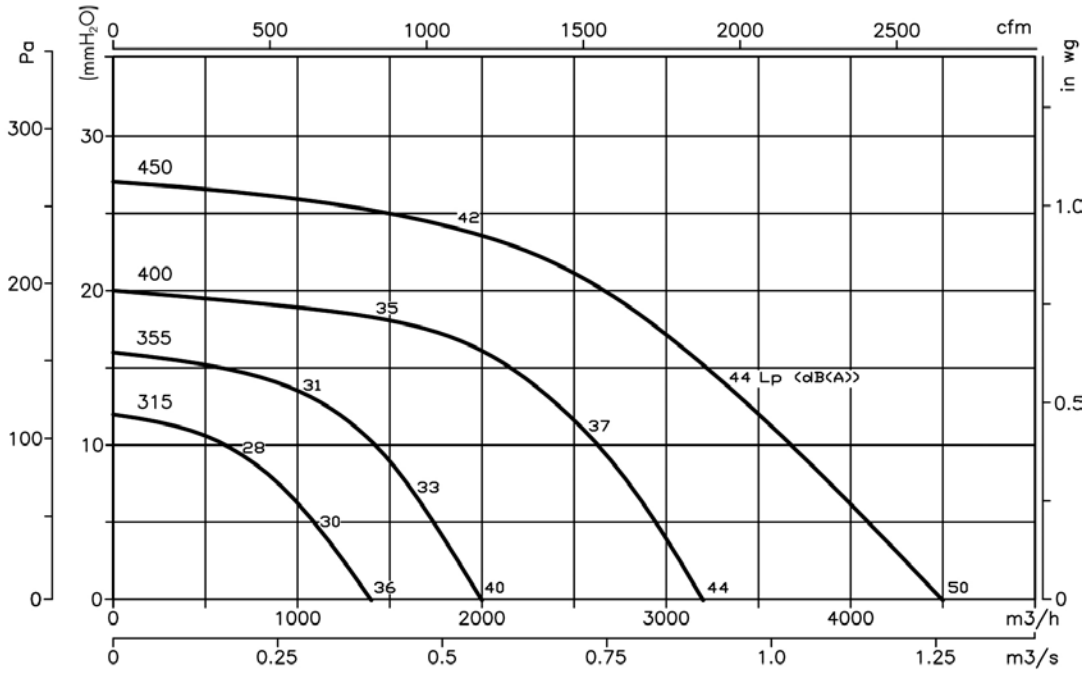
Q= Flow rate in m³/h, m³/s and cfm.

Pe= Static pressure in mm H_2O, Pa and inwg.

4T=1800 r/min



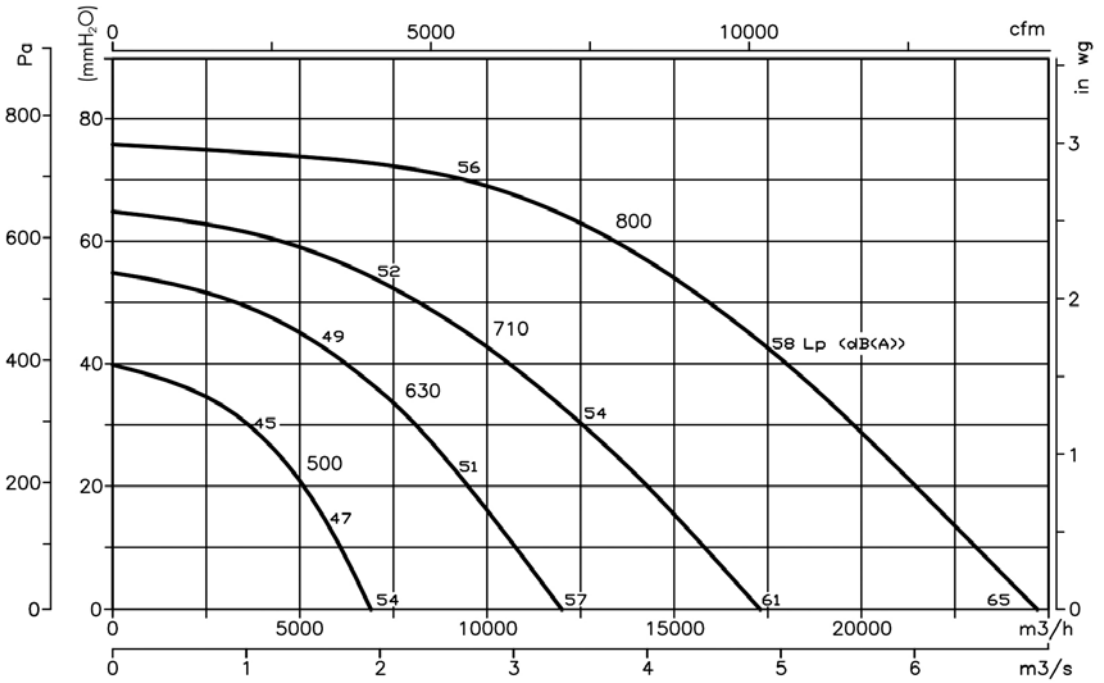
6T=1200 r/min



Characteristic curves

Q= Flow rate in m^3/h, m^3/s and cfm. Pe= Static pressure in mm H_2O, Pa and inwg.

6T=1200 r/min



8T=900 r/min