

# RFH

400 °C/2h centrifugal roof fans with horizontal air outlet, aluminum hood



#### Fan:

- Support base in galvanized steel sheet.
- Backward curved impeller made of galvanized sheet steel.
- Bird protection grid.
- Aluminum rain cover.
- Approved in accordance with standard EN 12101-3.
- Maximum temperature of air to be carried: -25 °C +120 °C.

- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz.
- Working temperature: -25 °C +50 °C.

#### Finish:

- Anti-corrosive in galvanized steel sheet and aluminum.

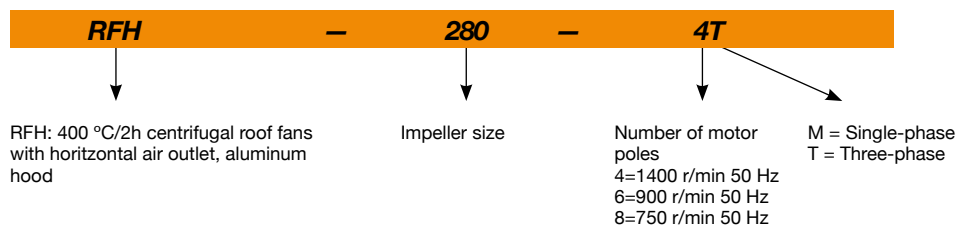
#### On request:

- Special windings for different voltages.
- ATEX certified Category 3.

#### Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.

## Order code



## Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level <sup>1</sup> dB (A)		Approx. weight (Kg)
		230V	400V			Inlet	Exhaust	
RFH-280-4T	1350	1.66	0.96	0.25	1450	36	43	25
RFH-280-4M	1380	1.70		0.25	1450	36	43	25
RFH-315-4T	1350	1.66	0.96	0.25	2100	40	46	25
RFH-315-4M	1380	2.60		0.25	2100	40	46	25
RFH-315-6T	900	1.51	0.87	0.25	1400	29	35	25
RFH-315-6M	890	0.50		0.25	1400	29	35	25
RFH-355-4T	1350	1.66	0.96	0.25	3100	44	49	32
RFH-355-4M	1380	2.60		0.25	3100	44	49	32
RFH-355-6T	900	1.51	0.87	0.25	2000	32	39	33
RFH-355-6M	890	0.65		0.25	2000	32	39	33
RFH-400-4T	1380	2.92	1.69	0.55	4950	47	53	35
RFH-400-4M	1380	3.30		0.55	4950	47	53	35
RFH-400-6T	900	2.24	1.30	0.37	3200	36	38	35
RFH-400-6M	910	0.95		0.37	3200	36	38	35
RFH-450-4T IE3	1420	2.82	1.62	0.75	7000	54	60	52
RFH-450-4M	1380	4.40		0.75	7000	54	60	52

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		230V	400V			Inlet	Exhaust	
RFH-450-6T	900	2.24	1.30	0.37	4500	43	49	51
RFH-450-6M	910	1.80		0.37	4500	43	49	51
RFH-500-4T IE3	1440	5.41	3.11	1.50	10200	58	63	60
RFH-500-6T	900	2.24	1.30	0.37	6720	46	53	53
RFH-500-6M	910	2.00		0.37	6720	46	53	53
RFH-630-6T IE3	945	4.68	2.69	1.10	12000	50	55	95
RFH-630-8T	695	3.53	2.04	0.55	8900	43	49	95
RFH-710-6T IE3	950	9.08	5.22	2.20	17300	53	59	118
RFH-710-8T	705	5.63	3.25	1.10	12900	45	51	102
RFH-800-6T IE3	960	15.60	8.99	4.00	24700	57	61	160
RFH-800-8T	705	7.10	4.10	1.50	18400	49	55	142

<sup>1</sup> Sound pressure level in dB(A) at a distance of 6 m and at maximum flow rate.



## Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

## Acoustic characteristics

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

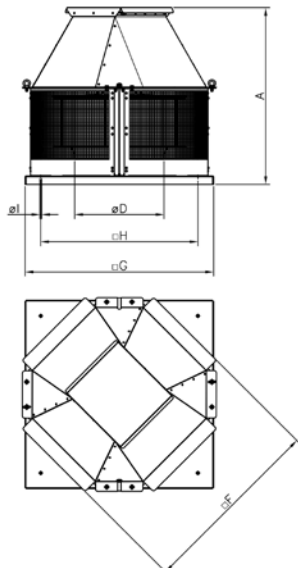
Values measured at inlet with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
RFH-280-4	37	43	54	57	58	54	52	46
RFH-315-4	44	53	58	58	62	61	54	48
RFH-315-6	33	42	47	47	51	50	43	37
RFH-355-4	48	57	62	62	66	65	58	52
RFH-355-6	36	45	50	50	54	53	46	40
RFH-400-4	52	58	64	64	67	70	61	55
RFH-400-6	41	47	53	53	56	59	50	44
RFH-450-4	59	65	71	71	74	77	68	62
RFH-450-6	48	54	60	60	63	66	57	51
RFH-500-4	64	71	76	76	80	79	72	67
RFH-500-6	52	59	64	64	68	67	60	55
RFH-630-6	56	62	67	68	72	71	64	57
RFH-630-8	49	55	60	61	65	64	57	50
RFH-710-6	59	65	70	71	75	74	67	60
RFH-710-8	51	57	62	63	67	66	59	52
RFH-800-6	63	69	74	75	79	78	71	64
RFH-800-8	55	61	66	67	71	70	63	56

Values measured at exhaust with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
RFH-280-4	41	46	60	62	63	63	58	53
RFH-315-4	43	52	62	66	69	66	59	53
RFH-315-6	32	41	51	55	58	55	48	42
RFH-355-4	46	55	65	69	72	69	62	56
RFH-355-6	36	45	55	59	62	59	52	46
RFH-400-4	51	63	71	73	74	74	66	58
RFH-400-6	40	52	60	62	63	63	55	47
RFH-450-4	58	70	78	80	81	81	73	65
RFH-450-6	47	59	67	69	70	70	62	54
RFH-500-4	62	74	82	84	85	82	75	67
RFH-500-6	52	64	72	74	75	72	65	57
RFH-630-6	52	66	74	78	77	74	68	62
RFH-630-8	45	59	67	71	70	67	61	55
RFH-710-6	56	70	78	82	81	78	72	66
RFH-710-8	48	62	70	74	73	70	64	58
RFH-800-6	59	73	81	85	74	81	75	69
RFH-800-8	52	66	74	78	74	74	68	62

## Dimensions mm



	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

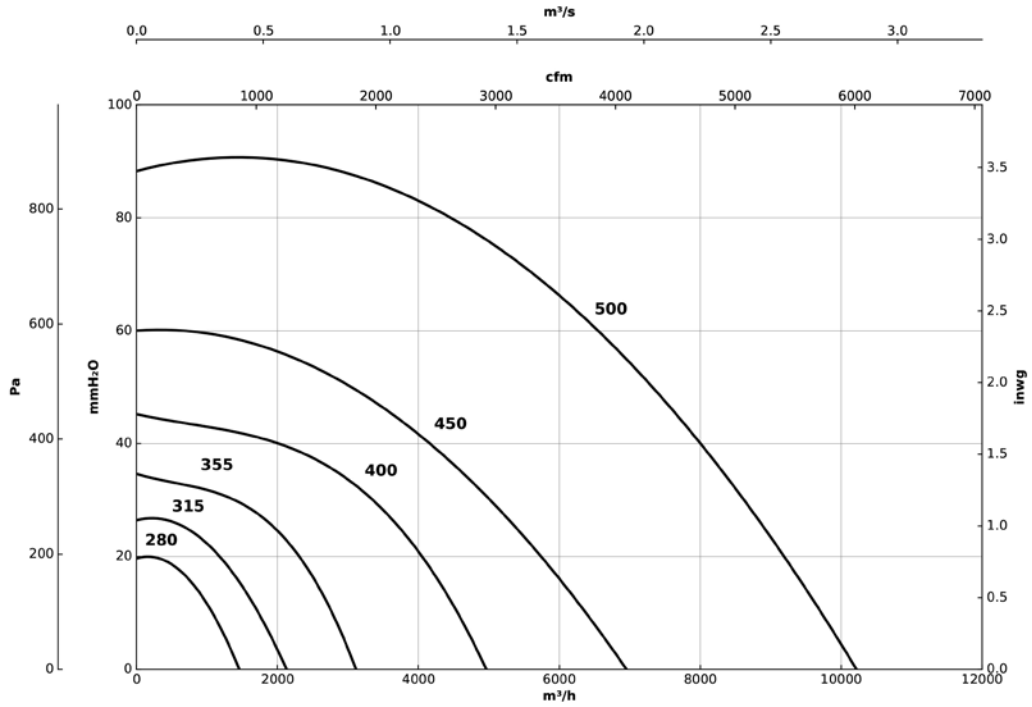
\* Recommended nominal tube diameter

### Characteristic curves

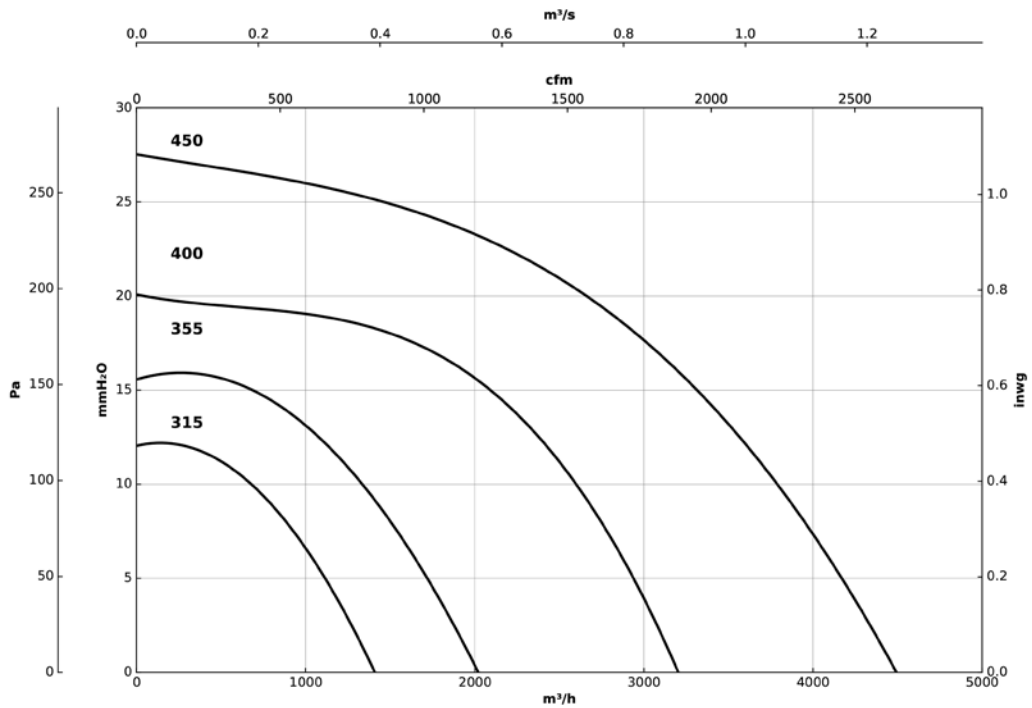
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

#### 4M/4T=1500 r/min



#### 6M/6T=1000 r/min

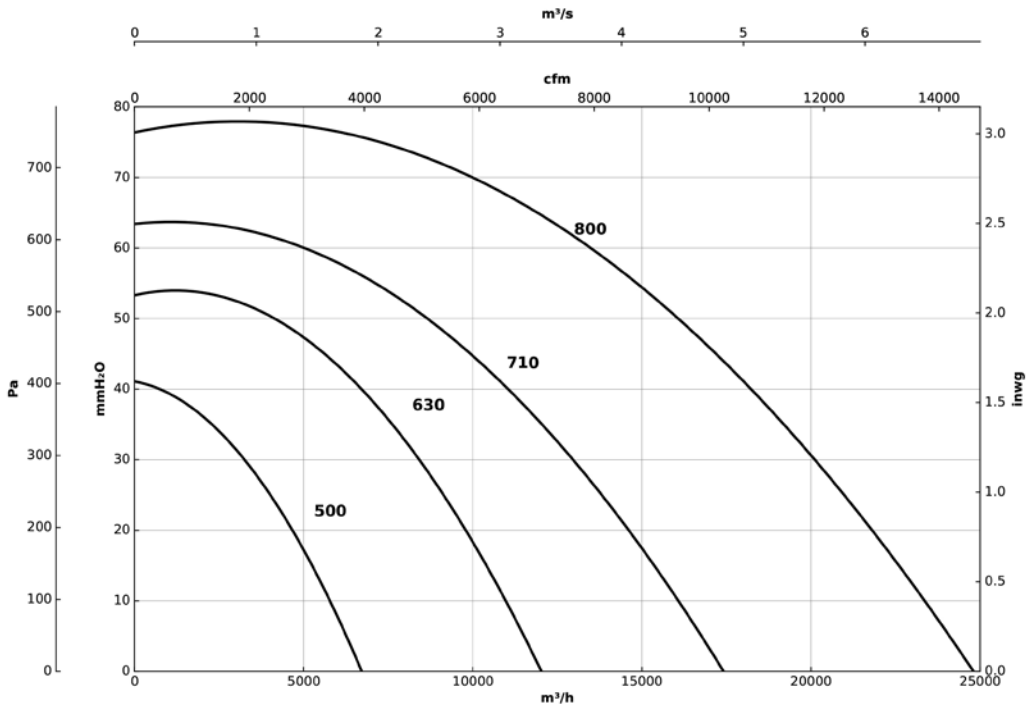


### Characteristic curves

Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

**6M/6T=1000 r/min**



**8T=750 r/min**

