

CRF/EW/CPC



Centrifugal, roof-mounted, automatic operation extract fans with low noise levels, fitted with E.C. Technology external rotor motor and constant pressure control



Centrifugal roof-mounted extract fans with low noise levels and external rotor motor, fitted with an E.C. Technology motor.

Fan:

- Made of galvanised sheet steel.
- Impeller with reaction blades made of plastic material.
- Bird guard.
- Folding body for ease of inspection and maintenance.

Motor:

- High efficiency EC external rotor motors regulated by 0-10V signal. IP54 protection.
- Single-phase 230V-50/60Hz and three-phase 400V-50/60Hz.
- Maximum temperature of air to be carried: -25°C + 50°C.

CPC control:

- Equipment preconfigured in constant pressure mode with 100 Pa setpoint.

- Possibility of adjustment to other pressures.
- Possibility of working with a constant flow rate. Except models 190 and 250.
- Plug&Play system for easy installation.
- Programming range from 0 to 2500 Pa.
- On-off switch with built-in safety locking system.
- 230 V AC single-phase and 380 V AC three-phase power versions.
- IP55 protection.

Finish:

- Anti-corrosive finish on galvanised sheet steel.

Order code

CRF/EW — 315 — M / L / CPC

CRF/EW: Centrifugal roof-mounted extract fans with low noise levels and EC external rotor motor.

Impeller diameter in mm

M: Single-phase
T: Three-phase

L: Low flow rate
M: Medium flow rate
H: High flow rate

Automatic constant pressure regulation control.

Technical characteristics

Model	Maximum speed (r/min)	Maximum admissible current (A)		Max. electric power (kW)	Maximum flow rate (m³/h)	SPL at maximum speed dB(A)		Approx. weight (kg)	According to ErP
		230V	400V			Inlet	Exhaust		
CRF/EW-190-M/CPC	3200	0.75		0.083	695	42	45	10	2018
CRF/EW-250-M/CPC	2510	1.4		0.17	1305	44	47	12	2018
CRF/EW-315-M/L/CPC	1524	1.2		0.15	2170	35	38	16	2018
CRF/EW-315-M/H/CPC	2360	2.2		0.5	3365	49	52	18	2018
CRF/EW-400-M/L/CPC	1170	1.1		0.25	4020	39	42	26	2018
CRF/EW-400-M/M/CPC	1500	2.2		0.5	5285	45	48	27	2018
CRF/EW-400-M/H/CPC	1700	3.3		0.75	5830	49	52	28	2018
CRF/EW-400-T/CPC	2060		2.1	1.32	6330	51	58	29	2018
CRF/EW-500-M/CPC	1100	3.3		0.75	7950	43	49	48	2018
CRF/EW-500-T/L/CPC	1350		2.1	1.32	9560	48	54	50	2018
CRF/EW-500-T/H/CPC	1700		4	2.65	10625	53	60	59	2018

* The noise level values are pressures in dB(A) measured at a distance of 6 metres and at 2/3 of the maximum flow rate (2/3 Qmax).

Acoustic characteristics

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

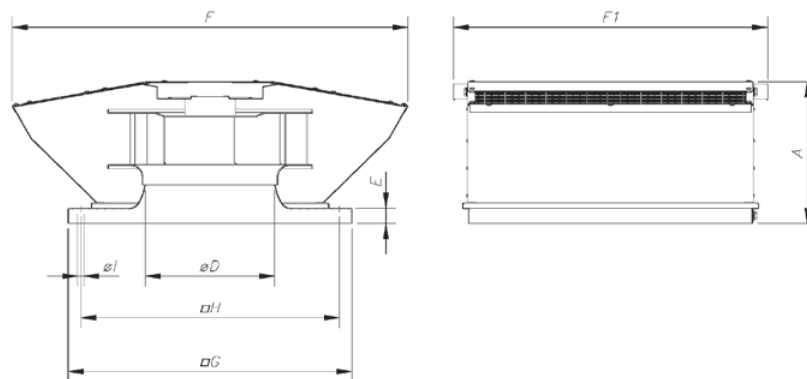
Values measured at inlet with 2/3 maximum flow rate (2/3Qmax).

Model	63	125	250	500	1000	2000	4000	8000
190-M	28	45	51	58	60	61	57	52
250-M	34	49	55	60	62	61	59	50
315-M/L	29	51	48	53	53	51	47	40
315-M/H	46	61	63	66	65	66	61	55
400-M/L	35	55	52	57	55	53	51	53
400-M/M	46	60	57	63	61	59	54	57
400-M/H	39	63	62	68	65	63	58	60
400-T	40	53	65	71	68	68	63	63
500-M	41	55	56	60	62	61	57	50
500-T/L	45	57	60	65	65	65	62	56
500-T/H	50	63	66	70	71	71	68	62

Values measured at exhaust with 2/3 maximum flow rate (2/3Qmax).

Model	63	125	250	500	1000	2000	4000	8000
190-M	31	48	54	61	63	64	60	55
250-M	37	52	58	63	65	64	62	53
315-M/L	32	54	51	56	56	54	50	43
315-M/H	49	64	66	69	68	69	64	58
400-M/L	38	58	55	60	58	56	54	56
400-M/M	49	63	60	66	64	62	57	60
400-M/H	42	66	65	71	68	66	61	63
400-T	45	56	68	73	78	76	70	66
500-M	43	56	59	67	69	65	59	53
500-T/L	46	59	63	71	75	69	65	59
500-T/H	52	65	69	77	81	75	71	65

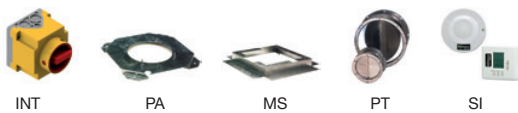
Dimensions mm



Model	A	ØD*	E	F	F1	G	H	ØI
CRF/EW/CPC-190	185	124	30	477	420	355	305	12
CRF/EW/CPC-250	190	165	30	518	465	400	350	12
CRF/EW/CPC-315	277	196	30	701	515	450	400	12
CRF/EW/CPC-400	347	257	30	850	601	560	510	12
CRF/EW/CPC-500	426	326	30	1137	752	710	660	12

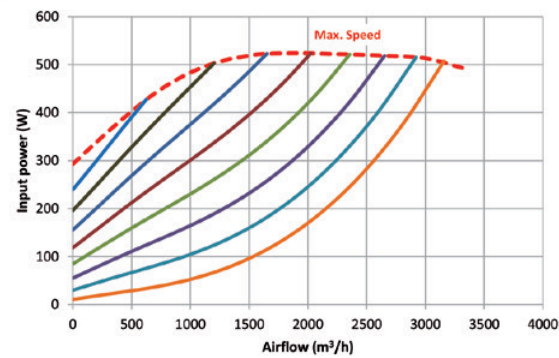
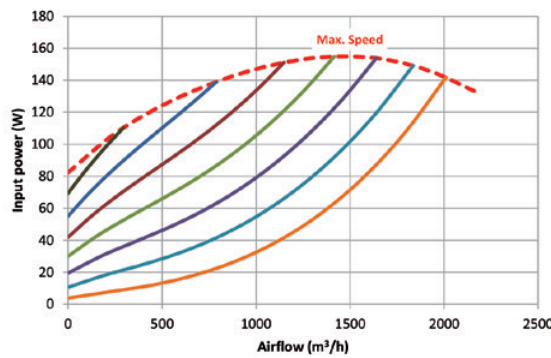
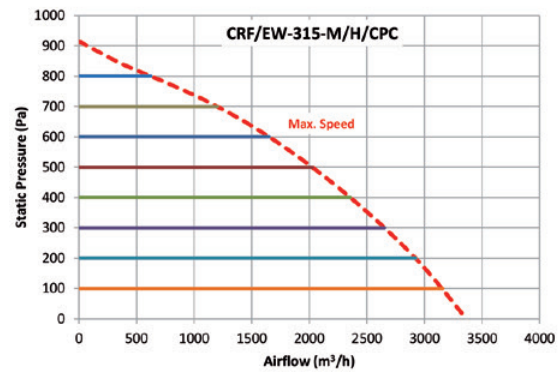
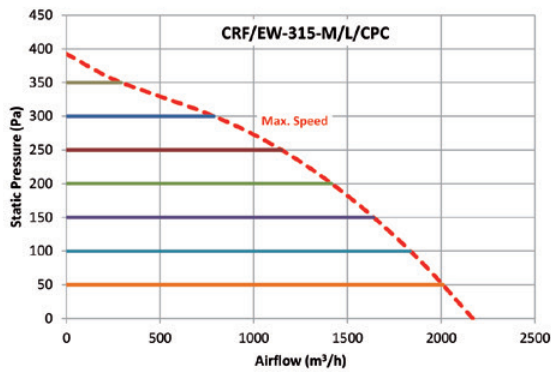
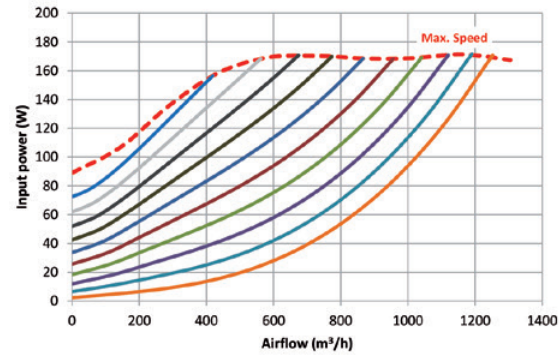
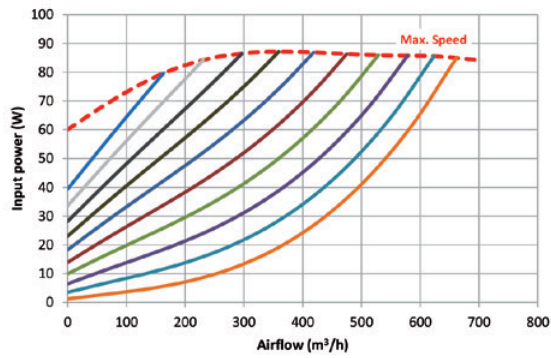
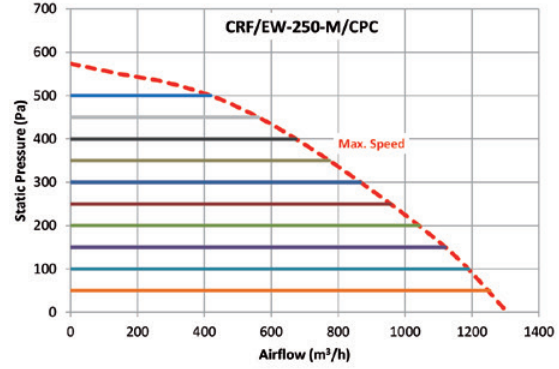
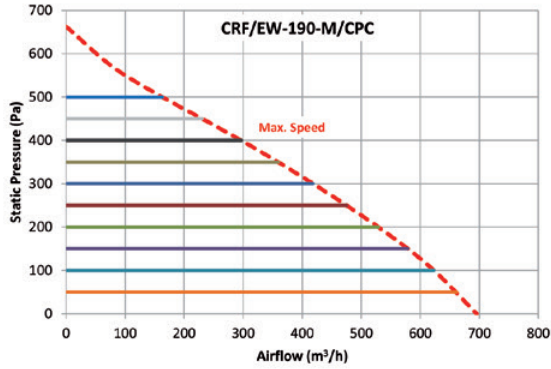
* Recommended nominal tube diameter

Accessories



Characteristic curves

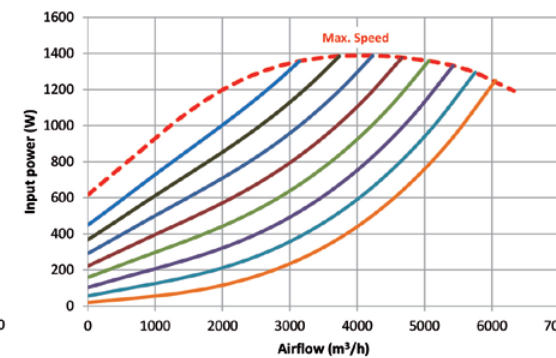
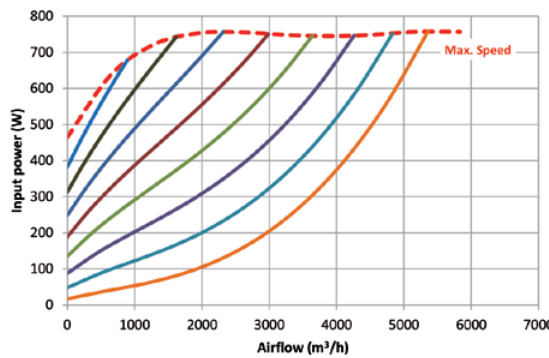
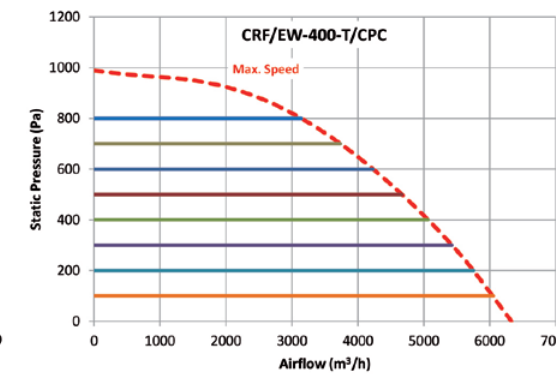
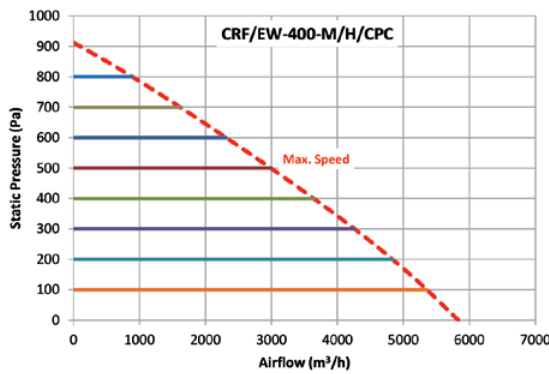
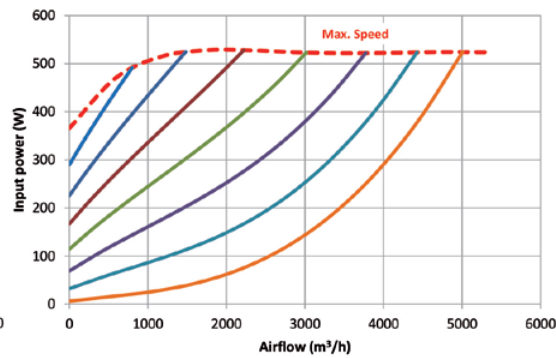
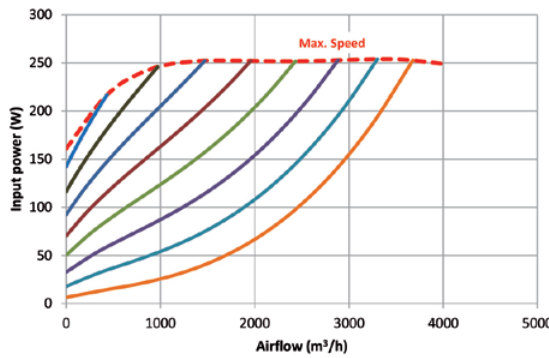
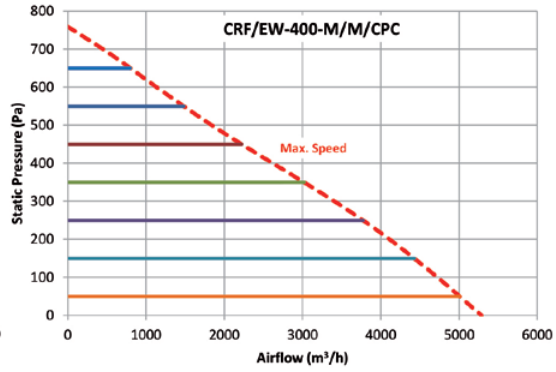
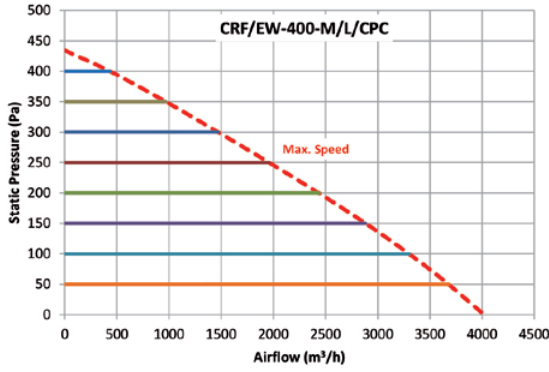
 Q= Flow rate in m³/h, m³/s and cfm.

 Pe= Static pressure in mm H₂O, Pa and inwg.


Characteristic curves

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