



ErP



2015

ec



technology



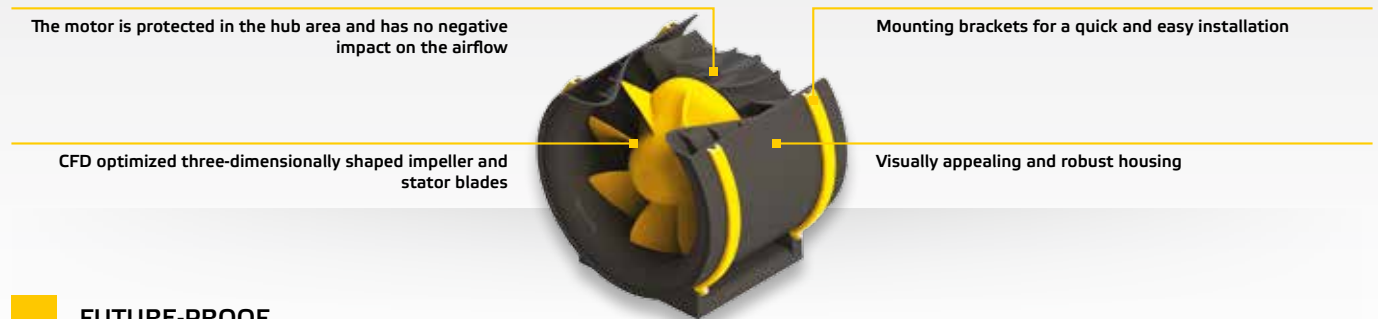
aeroefficiency

ETAMASTER

INNOVATIVE | UNIVERSAL | FUTURE-PROOF

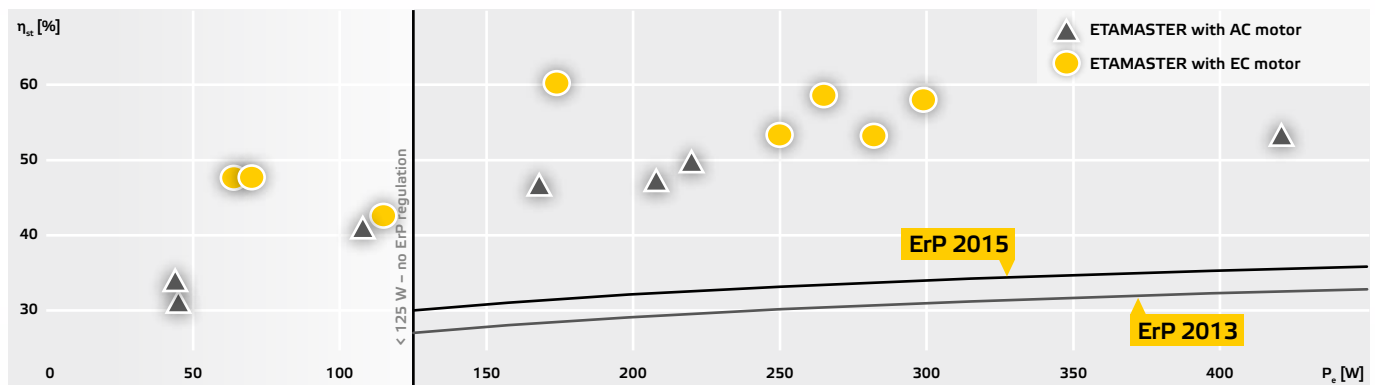
AEROEFFICIENCY AT ITS BEST

ETAMASTER constitutes the further development of our highly appreciated ETALINE range, and sets new standards in efficiency, compactness and sound power. All sizes come equipped with a robust and very reasonably priced three-step AC motor or a continuously regulated high efficiency EC motor. The elegant housing is made out of high-class fiber-reinforced plastic.



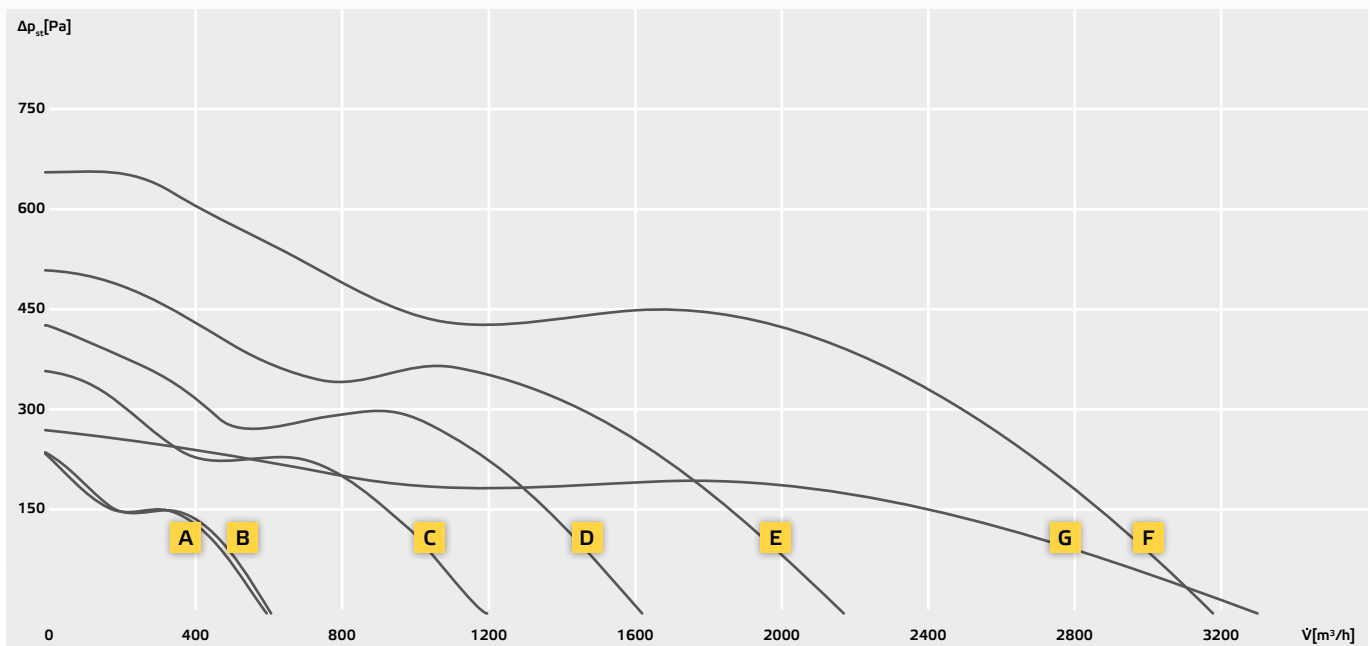
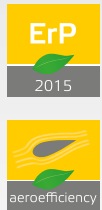
FUTURE-PROOF

ETAMASTER widely surpasses the high efficiency requirements of the ErP 2015 Directive with both motor versions. With ETAMASTER, you can confidently meet any further legislative requirements which may come into force after 2015.

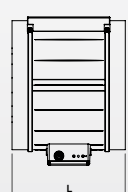
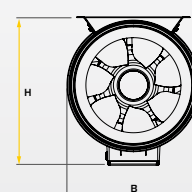
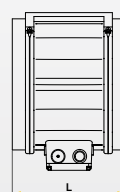
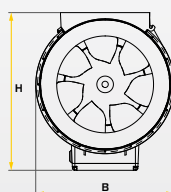
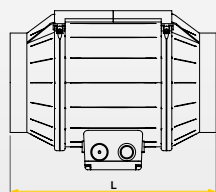
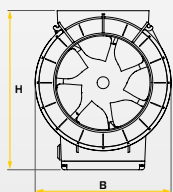


EM...M TECHNICAL DATA

- Asynchronous capacitor motor with 3 speed steps
- Speed control through external three speed switch
- The built-in thermostatic switch protects the motor from overload
- High-class corrosion resistant plastic housing



				U _N	f _N	I _{Max}	P _N	V _L	η _{st}	η _t	L _{WA5}	L _{WA6}	L _{WA2}	L x B x H
Type	ID			V	Hz	A	W	m³/h	%	%	dB(A)	dB(A)	dB(A)	mm
A	EM 150L E2M 01	126547		230V ~	50	0,3	46	600	31	37	69	67	57	309 x 204 x 239
B	EM 160 E2M 01	126549		230V ~	50	0,3	45	615	34	38	66	66	57	289 x 204 x 239
C	EM 200 E2M 01	127249		230V ~	50	0,6	117	1220	41	46	72	74	59	325 x 246 x 280
D	EM 250 E2M 01	127317		230V ~	50	0,8	170	1625	47	50	75	78	61	215 x 264 x 299
E	EM 280 E2M 01	130471		230V ~	50	1,1	239	2170	50	53	77	80	63	280 x 293 x 328
F	EM 315 E2M 01	130677		230V ~	50	2,1	436	3180	53	56	82	84	68	300 x 328 x 367
G	EM 400 E4M 01	129165		230V ~	50	1,0	211	3300	47	51	71	75	57	350 x 411 x 458



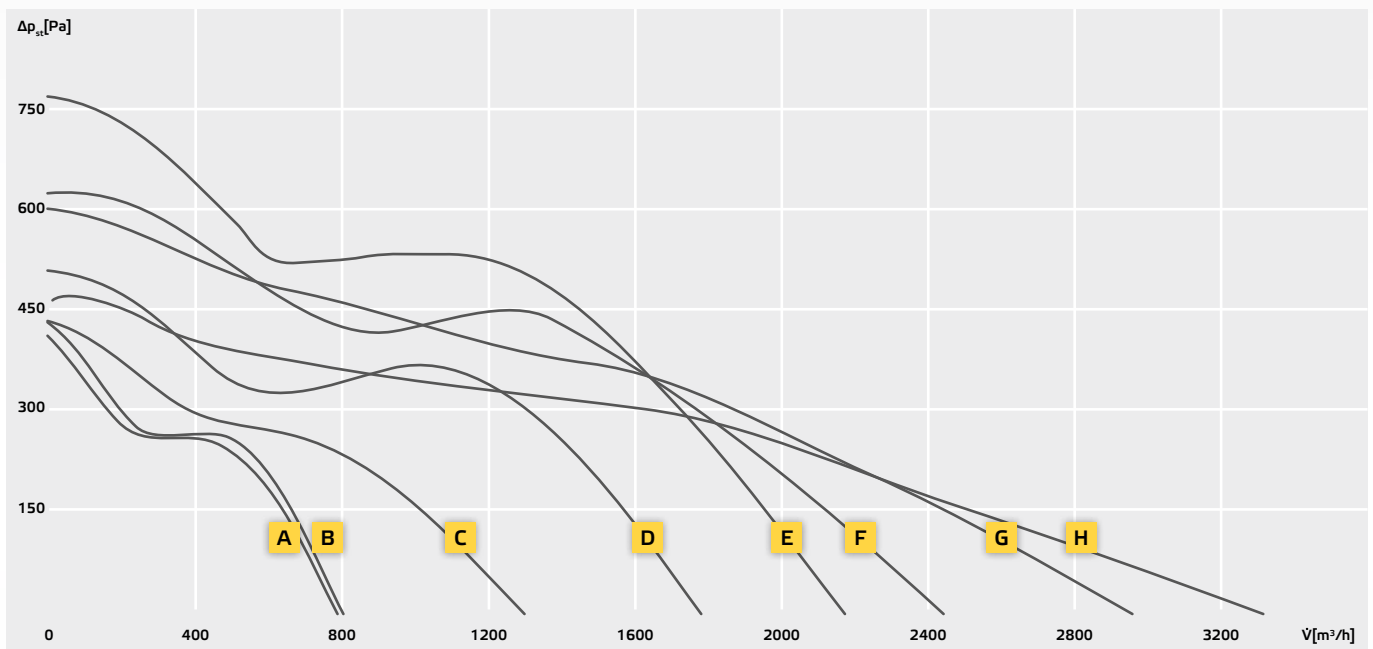
EM 150L E2M 01, EM 160 E2M 01, EM 200 E2M 01

EM 250 E2M 01, EM 280 E2M 01, EM 315 E2M 01

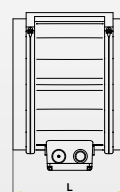
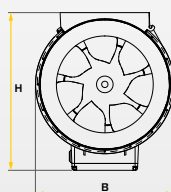
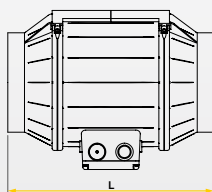
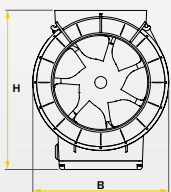
EM 400 E4M 01

EM ... EC TECHNICAL DATA

- EC motor with integrated electronics
- Demand-based control with PWM signal or 0 - 10 V
- Internal electronic temperature monitoring
- High-class corrosion resistant plastic housing



	Type	ID	U _N V	f _N Hz	I _{Max} A	P _N W	V _L m³/h	η _{st} %	η _t %	L _{WA5} dB(A)	L _{WA6} dB(A)	L _{WA2} dB(A)	L x B x H mm
A	EM 150L EC 01	128588	230V ~	50	0,6	67	780	48	53	74	75	56	309 x 204 x 239
B	EM 160 EC 01	128586	230V ~	50	0,7	73	810	48	53	72	75	55	289 x 204 x 239
C	EM 200 EC 01	130561	230V ~	50	1,0	121	1300	43	48	77	79	62	325 x 246 x 281
D	EM 250 EC 01	128954	230V ~	50	1,5	179	1780	60	64	76	79	66	215 x 264 x 300
E	EM 250 EC 02	130491	230V ~	50	2,1	304	2175	58	62	82	86	67	215 x 264 x 300
F	EM 280 EC 01	130701	230V ~	50	1,9	267	2440	59	62	82	83	75	280 x 293 x 328
G	EM 315 EC 01	130708	230V ~	50	2,0	282	2960	53	57	77	80	69	300 x 328 x 367
H	EM 355 EC 01	130712	230V ~	50	1,8	261	3320	53	57	73	76	63	325 x 368 x 407



EM 150L EC 01, EM 160 EC 01, EM 200 EC 01

EM 250 EC 01/02, EM 280 EC 01, EM 315 EC 01, EM 355 EC 01

WELL THOUGHT-OUT

AC MOTORS WITH 3 SPEED STEPS

ETAMASTER with its robust AC motors is the reasonably priced solution for most ventilation applications. With the 3 speed steps, the transformer is prospectively no longer necessary. A simple 3 speed switch allows for a quiet speed adjustment of the motor.



MTS
3 step switch



TRAFO

EC MOTORS

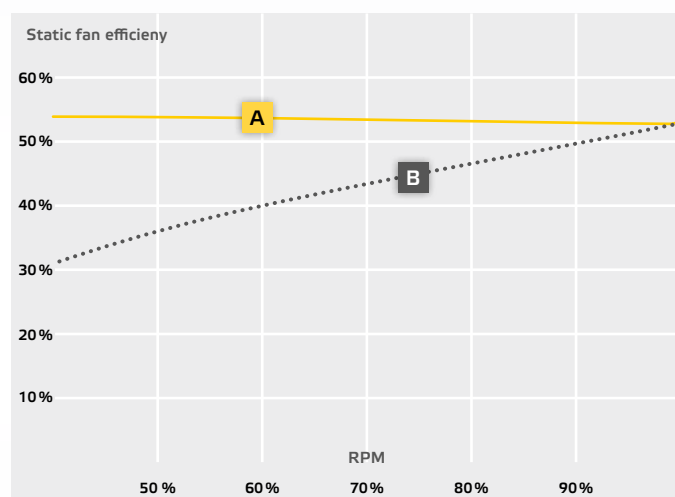
ETAMASTER with efficient EC motor is energetically the optimal solution, especially if the fan is often operated at partial load. The energy saving can be further increased if the motor speed is automatically adjusted to the ventilation requirements by means of an external control unit.



MTP
Potentiometer



CON P1000
Constant pressure
control



Legend:

A Fan with EC motor (EM 315 EC 01)

B Fan with AC motor (EM 315 E2M 01)



OUR RANGE OF PRODUCTS

IN LINE TUBE FANS

ETALINE and ETAMASTER, the no. 1 in saving energy.



DUCT FANS

Centrifugal forward and backward curved fans, compact diagonal fans.



EXHAUST FANS

For industrial or kitchen exhaust, up to 120 °C.



ROOF FANS

Roof fans with vertical discharge, up to 120 °C.



COMPACT AHU

Recuperative heat recovery up to 85 % with counter flow heat exchanger and EC fans.



WITH HIGH PERFORMANCE HEAT RECOVERY

Regenerative constant heat recovery up to 93 %. Plug-and-Play concept.



ruck Ventilatoren GmbH

Max-Planck-Str. 5
D-97944 Boxberg

Tel. +49 (0)7930 9211-300
Fax +49 (0)7930 9211-166

www.ruck.eu
info@ruck.eu