



EFFICIENT WORK



INDUSTRIAL BRUSHLESS MOTOR E.C.

CJLINE/EW

400°C/2h extraction units with linear inlet and outlet fitted with industrial Brushless motor E.C.



400°C/2h in-line extraction units to work outside the fire danger zone fitted with industrial Brushless motor E.C.

Fan:

- Galvanized sheet steel structure.
- Impeller with backward-curved blades made from sheet steel
- Approval according to Standard EN-12101-3-2002.
- Linear air circulation



VARIABLE SPEED DRIVE
VSD: Variable Speed Drive.
• VSD1/B
• VSD3/B

Supply included with fan

CONTROL
Supply optional accessory

SUPPLY
VSD1/B:
220-240 V 50/60 Hz
VSD3/B:
380-415 V 50/60 Hz

Motor and electronic variable speed:

- High-efficiency Industrial Brushless Motors E.C., fitted with electronic variable speed (VSD), adjustable via external control input 0-10V.
- It is advisable to install an electronic variable speed drive (VSD) outside the working area.
- The external signal can be supplied through a manual or automatic control with 0-10 V output.
- Electronic variable speed drive (VSD), available with single-phase 220-240 V 50/60 Hz input (VSD1/B type) or

three-phase 380-415 V 50/60 Hz (VSD3/B type).

- By default, the electronic variable speed drive (VSD) is delivered programmed for constant speed.
- Working fan temperature: -25 °C +60 °C.
- Working temperature (VSD): -25 °C +50 °C.

Finish:

- Anticorrosive galvanized sheet steel

Order code with variable speed drive (VSD) included

CJLINE/EW — 1131 — 4 — B — T — D

CJLINE/EW: 400°C/2h high-efficiency belt-driven extraction units, "Efficient work", with linear inlet and outlet

Impeller size

Number of poles:
4=1410 r/min
6=960 r/min

Industrial Brushless Motors E.C.

M: Fitted with VSD1/B, electronic variable speed, single phase power supply 220-240 V 50/60 Hz.

T: Fitted with VSD3/B, electronic variable speed, three-phase power supply 380-415 V 50/60 Hz.

D: Standard version, VSD supplied programmed for constant speed.
P: Supplied with VSD programmed for pressure control and Si-Presión pressure transmitter
K: Supplied with VSD programmed for pressure control and built into a BOXPRES KIT/B box.

Technical characteristics

Model	Speed min/max (r/min)	Single-phase VSD 230 V 50/60 Hz		Three-phase VSD 400 V 50/60 Hz		Maximum electrical power (W)	Maximum airflow min/max (m³/h)	Sound pressure level min/max dB(A)	Weight approx. (Kg)
		Maximum current input (A)	Model VSD	Maximum current input (A)	Model VSD				
CJLINE/EW-1131-4	300 / 1410	1.44	VSD1/B-0.37	0.42	VSD3/B-0.75	175	410 / 1920	17 / 51	39
CJLINE/EW-1235-4	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	625 / 2945	22 / 56	54
CJLINE/EW-1235-6	300 / 960	1.17	VSD1/B-0.37	0.34	VSD3/B-0.75	140	595 / 1900	25 / 50	55
CJLINE/EW-1640-4	300 / 1410	5.82	VSD1/B-0.75	1.37	VSD3/B-1.5	660	1000 / 4700	27 / 61	65
CJLINE/EW-1640-6	300 / 960	2.13	VSD1/B-0.37	0.62	VSD3/B-0.75	255	920 / 2950	29 / 54	66
CJLINE/EW/H-1650-4	300 / 1410	15.89	VSD1/B-1.5	3.74	VSD3/B-1.5	1825	2085 / 9800	40 / 74	99
CJLINE/EW-1845-4	300 / 1410	7.94	VSD1/B-0.75	1.87	VSD3/B-1.5	905	1415 / 6650	31 / 65	83
CJLINE/EW-1845-6	300 / 960	4.28	VSD1/B-0.75	1.00	VSD3/B-1.5	480	1340 / 4280	32 / 57	81
CJLINE/EW-1856-6	300 / 960	8.32	VSD1/B-1.5	1.96	VSD3/B-1.5	955	2420 / 7750	34 / 59	142
CJLINE/EW-2063-6	300 / 960	11.51	VSD1/B-1.5	2.71	VSD3/B-1.5	1325	3470 / 11100	36 / 61	185

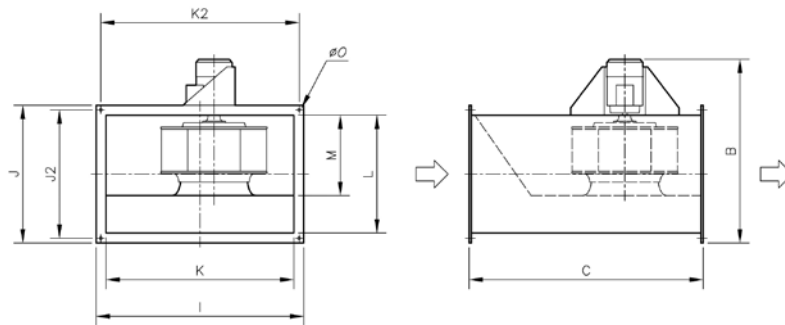
Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CJLINE/EW-1131-4	42	51	57	56	60	60	52	46	CJLINE/EW/H-1650-4	64	74	82	84	83	85	76	66
CJLINE/EW-1235-4	49	58	64	63	67	66	59	53	CJLINE/EW-1845-4	60	66	71	72	75	77	69	63
CJLINE/EW-1235-6	43	52	58	57	61	60	53	47	CJLINE/EW-1845-6	52	58	63	64	67	69	61	55
CJLINE/EW-1640-4	56	62	67	68	71	73	65	59	CJLINE/EW-1856-6	58	64	69	70	73	72	65	60
CJLINE/EW-1640-6	49	55	60	61	64	66	58	52	CJLINE/EW-2063-6	60	66	72	72	76	76	68	61

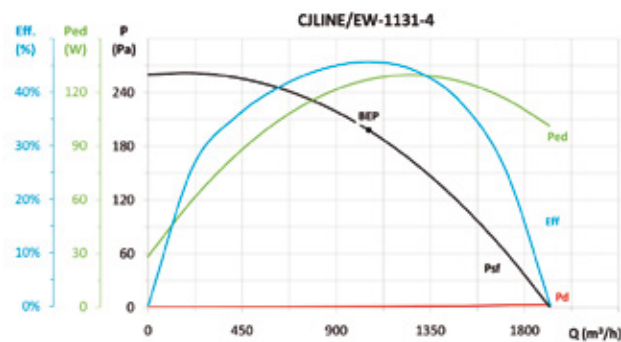
Dimensions in mm



Model	B	C	I	J	J2	K	k2	L	M	ØO
CJLINE/EW-1131	760	710	620	510	483	560	593	450	175	10
CJLINE/EW-1235	830	800	680	560	533	620	653	500	213	10
CJLINE/EW-1640	890	900	770	620	593	710	743	560	262	10
CJLINE/EW-1650/H	942	1000	860	690	663	800	833	630	290	10
CJLINE/EW-1845	1010	1000	860	690	663	800	833	630	290	10
CJLINE/EW-1856	1280	1250	1060	860	833	1000	1033	800	378	10
CJLINE/EW-2063	1390	1400	1205	980	938	1125	1163	900	378	12

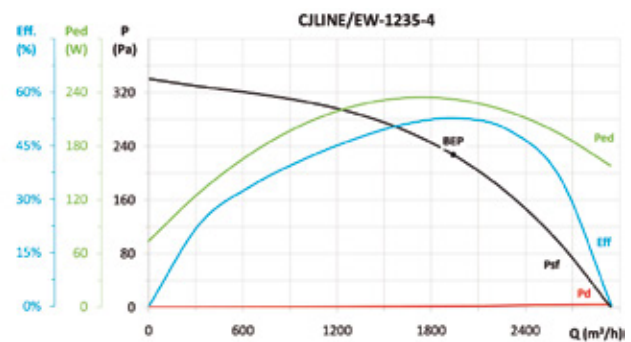


Erp. Characteristic curves and ErP data



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,15	52,5%	72,4	0,127	1055	198	1410	INCLUDED

* η_e (%) = Eff. (%) x Cc



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,13	59,6%	76,8	0,232	1940	227	1410	INCLUDED

* η_e (%) = Eff. (%) x Cc

Accessories

See accessories section.

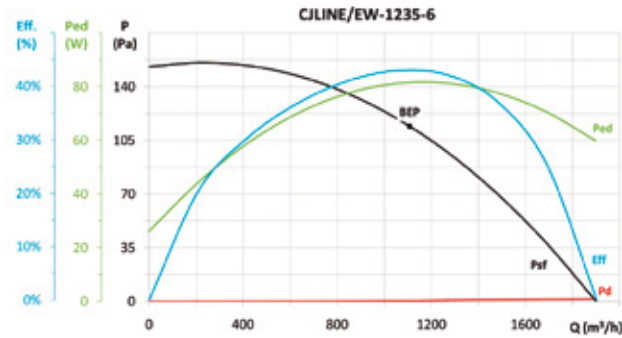




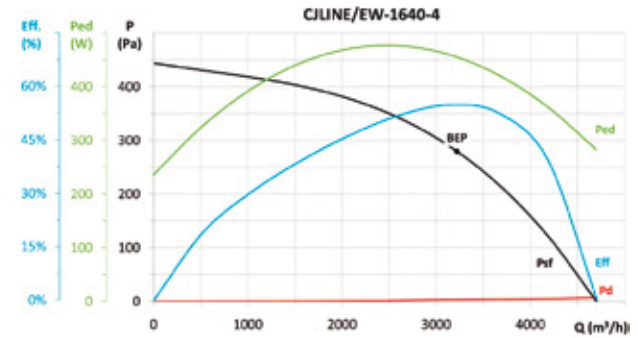
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Erp. Characteristic curves and ErP data

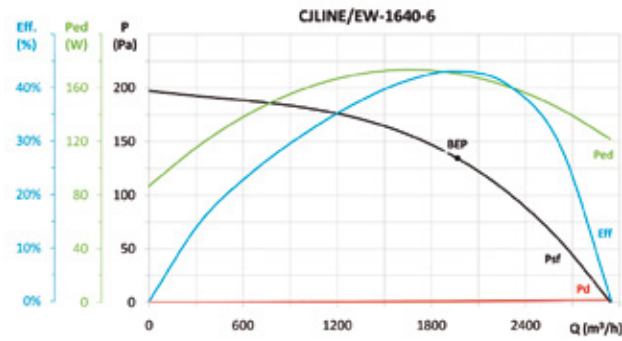


MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	-	-	-	-	0,082	1108	114	960	INCLUDED



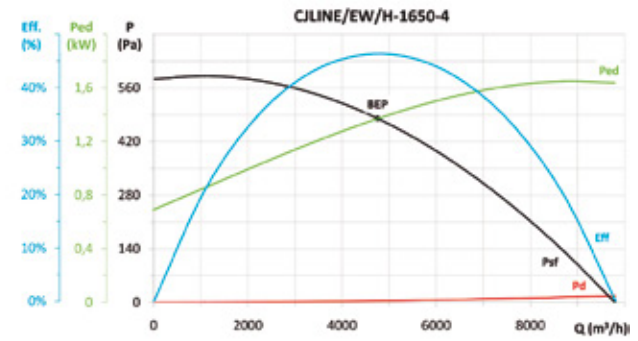
MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,11	61,1%	75,1	0,455	3221	280	1410	INCLUDED

* η_e (%) = EFF. (%) x Cc



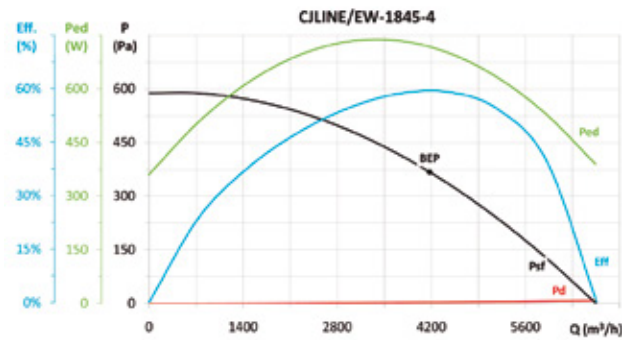
MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,14	49,1%	67,7	0,170	1965	134	960	INCLUDED

* η_e (%) = EFF. (%) x Cc



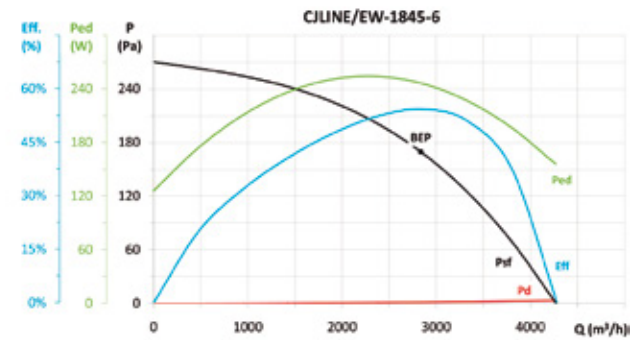
MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,08	50,0%	59,0	1,368	4752	480	1410	INCLUDED

* η_e (%) = EFF. (%) x Cc



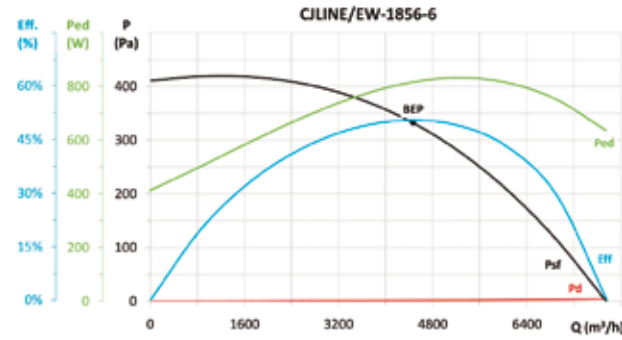
MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,10	65,2%	77,2	0,718	4174	368	1410	INCLUDED

* η_e (%) = EFF. (%) x Cc



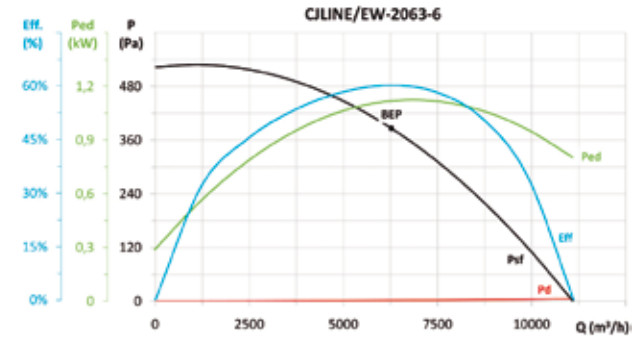
MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,13	61,3%	78,1	0,247	2836	170	960	INCLUDED

* η_e (%) = EFF. (%) x Cc



MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,09	55,2%	66,7	0,816	4468	332	960	INCLUDED

* η_e (%) = EFF. (%) x Cc



MC	EC	SR	Cc	η_b (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
C	S	1,00	1,08	65,3%	75,3	1,118	6275	386	960	INCLUDED

* η_e (%) = EFF. (%) x Cc