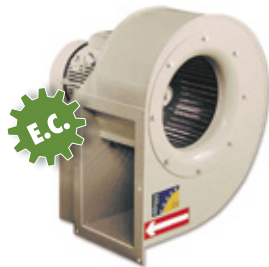




# CMP-L/EW


**INDUSTRIAL BRUSHLESS MOTOR E.C.**

**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

**Centrifugal single-inlet, medium-pressure fans with direct motor and impeller with forward-facing blades fitted with industrial BRUSHLESS motor E.C.**

**Fan:**

- Steel sheet casing
- Impeller with backward-curved blades made from robust sheet steel
- Electronic variable speed drive (VSD), three-phase or single-phase, is supplied with fan.

**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 +120°C.
- Working temperature (VSD): -25 °C +50 °C.

**Finish:**

- Anticorrosive galvanized sheet steel.

## Order code with variable speed drive (VSD) included

**CMP-L/EW — 922 — 2 — 1.5 — B — T — D**

CMP-L/EW: High-efficiency centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller, "Efficient work"

Impeller size

Number of poles:  
 2=2850 r/min  
 4=1400 r/min

Motor power (CV)

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				
CMP-L/EW-512-2	300 / 2850	2.09	VSD1/B-0.37	0.61	VSD3/B-0.75	255	40 / 380	13 / 62	4.0
CMP-L/EW-512-4	300 / 1410	1.14	VSD1/B-0.37	0.34	VSD3/B-0.75	140	55 / 255	21 / 55	4.0
CMP-L/EW-514-2	300 / 2850	2.09	VSD1/B-0.37	0.61	VSD3/B-0.75	255	75 / 700	16 / 65	8.0
CMP-L/EW-514-4	300 / 1410	1.14	VSD1/B-0.37	0.34	VSD3/B-0.75	140	120 / 565	34 / 68	8.0
CMP-L/EW-616-2	300 / 2850	5.99	VSD1/B-0.37	1.76	VSD3/B-0.75	730	145 / 1380	20 / 69	9.5
CMP-L/EW-616-4	300 / 1410	1.44	VSD1/B-0.37	0.42	VSD3/B-0.75	175	180 / 850	27 / 61	9.5
CMP-L/EW-620-2	300 / 2850	5.99	VSD1/B-0.37	1.76	VSD3/B-0.75	730	80 / 765	19 / 68	9.5
CMP-L/EW-620-4	300 / 1410	1.44	VSD1/B-0.37	0.42	VSD3/B-0.75	175	170 / 810	27 / 61	9.5
CMP-L/EW-718-2	300 / 2850	8.15	VSD1/B-0.75	1.92	VSD3/B-0.75	925	155 / 1485	21 / 70	12.5
CMP-L/EW-718-4	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	270 / 1280	29 / 63	12.5
CMP-L/EW-820-2	300 / 2850	11.80	VSD1/B-0.75	2.78	VSD3/B-1.5	1345	205 / 1950	24 / 73	15.0
CMP-L/EW-820-4	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	355 / 1670	31 / 65	15.0
CMP-L/EW-922-2-1.5	300 / 2850	11.80	VSD1/B-0.75	2.78	VSD3/B-1.5	1345	175 / 1650	21 / 70	20.0
CMP-L/EW-922-2-2	300 / 2850	15.89	VSD1/B-1.5	3.74	VSD3/B-1.5	1810	210 / 2010	22 / 71	23.0
CMP-L/EW-922-2-3	300 / 2850	23.11	VSD1/B-2.2	5.45	VSD3/B-2.2	2630	275 / 2600	25 / 74	25.5
CMP-L/EW-922-4	300 / 1410	5.82	VSD1/B-0.75	1.37	VSD3/B-1.5	660	520 / 2450	32 / 66	19.0
CMP-L/EW-1025-2	300 / 2850	23.11	VSD1/B-2.2	5.45	VSD3/B-2.2	2630	220 / 2100	24 / 73	28.5
CMP-L/EW-1025-4	300 / 1410	11.25	VSD1/B-0.75	2.65	VSD3/B-1.5	1295	725 / 3400	36 / 70	38.5



**EFFICIENT WORK**



## Acoustic features at maximum speed

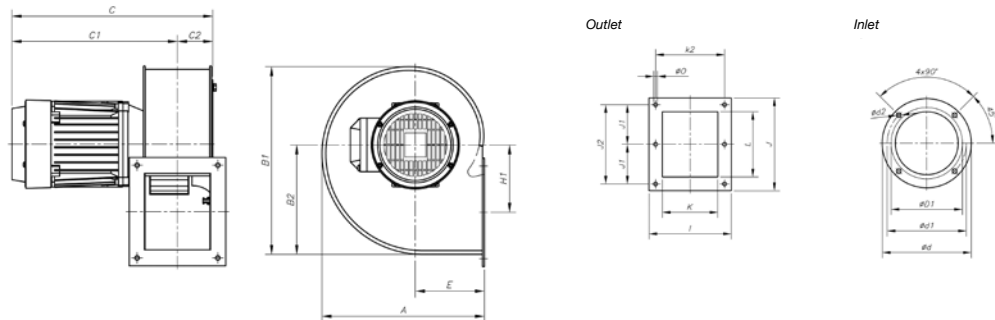
The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span plus the impeller's diameter, with a minimum of 1.5 m.

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
CMP-L/EW-512-2	37	47	58	65	69	66	64	57	CMP-L/EW-718-4	38	48	59	66	70	67	65	58
CMP-L/EW-512-4	30	40	51	58	62	59	57	50	CMP-L/EW-820-2	48	58	69	76	80	77	75	68
CMP-L/EW-514-2	40	50	61	68	72	69	67	60	CMP-L/EW-820-4	41	51	62	69	73	70	68	61
CMP-L/EW-514-4	33	43	54	61	65	62	60	53	CMP-L/EW-922-2-1.5	45	55	66	73	77	74	72	65
CMP-L/EW-616-2	44	54	65	72	76	73	71	64	CMP-L/EW-922-2-2	46	56	67	74	78	75	73	66
CMP-L/EW-616-4	36	46	57	64	68	65	63	56	CMP-L/EW-922-2-3	49	59	70	77	81	78	76	69
CMP-L/EW-620-2	43	53	64	71	75	72	70	63	CMP-L/EW-922-4	41	51	62	69	73	70	68	61
CMP-L/EW-620-4	36	46	57	64	68	65	63	56	CMP-L/EW-1025-2	48	58	69	76	80	77	75	68
CMP-L/EW-718-2	45	55	66	73	77	74	72	65	CMP-L/EW-1025-4	45	55	66	73	77	74	72	65

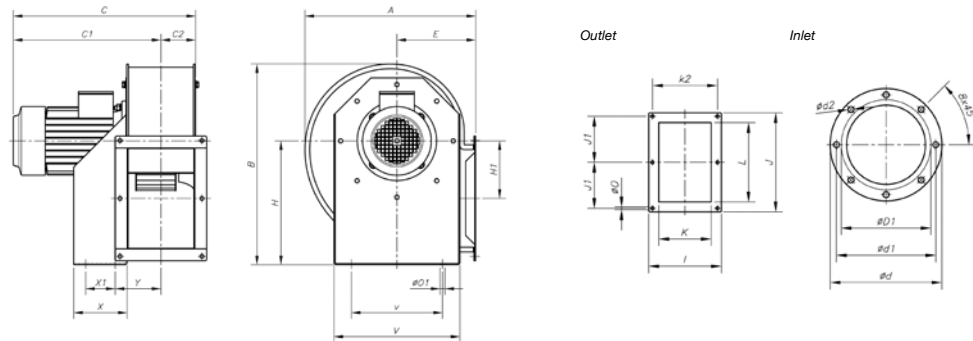
## Dimensions in mm

### CMP-L/EW-512...820



Model	A	B1	B2	C	C1	C2	øD1*	ød	ød1	ød2	E	H1	I	J	J1	J2	K	k2	L	øO
CMP-L/EW-512-2	185	206.5	118	251	212	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CMP-L/EW-512-4	185	206.5	118	251	212	39	112	140	132	M4	82.5	69	104	117	-	104.5	75	92	86	5.5
CMP-L/EW-514-2	225	254	150	281	236	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	6.5
CMP-L/EW-514-4	225	254	150	281	236	45	140	169	151.5	M4	100	91	122	147	64	128	83	105	107	6.5
CMP-L/EW-616-2	258	297	173.5	320	264	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CMP-L/EW-616-4	258	297	173.5	283	227	56	160	204	180	M6	110	105.5	153	172	-	147	103	128	125	7
CMP-L/EW-620-2	298	347	202.5	321	265	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CMP-L/EW-620-4	298	347	202.5	283	227	56	200	247	230	M6	126	145.5	159	153	-	128	105	134	100	8
CMP-L/EW-718-2	303.5	348	201	355	294	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMP-L/EW-718-4	303.5	348	201	331	270	61	180	238	210	M6	129.5	122	169	192	85	170	115	145	146	9
CMP-L/EW-820-2	322	377	223	369.5	301	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	130	160	156	9
CMP-L/EW-820-4	322	377	223	345.5	277	68.5	200	247	230	M6	137.5	137	184	213	94.5	189	130	160	156	9

### CMP-L/EW-922...1025

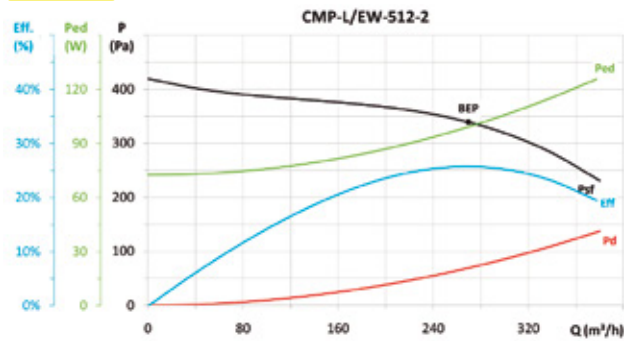


Model	A	B	C	C1	C2	øD1*	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	X1	Y
CMP-L/EW-922-2-1.5	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-L/EW-922-2-2	388.5	455	430.5	357	73.5	224	278	25	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-L/EW-922-2-3	388.5	455	430.5	357	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-L/EW-922-4T	388.5	455	382.5	309	73.5	224	278	256	M8	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMP-L/EW-1025-2	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMP-L/EW-1025-4	427	503	456	370	86	250	305	282	M8	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5

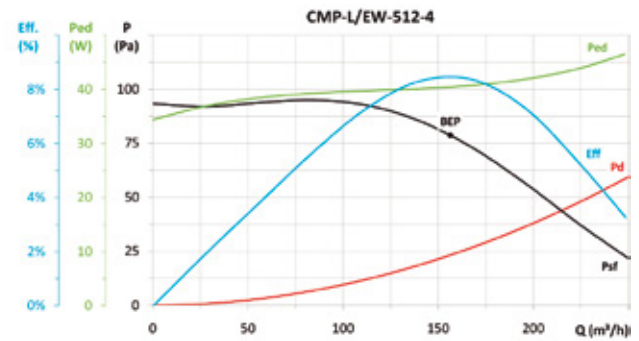
## Positions

LG 270 standard supply. LG 180 and RD 180 positions on request and with special fixing measures

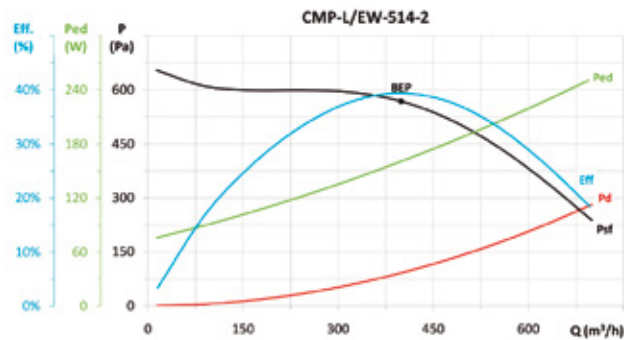



**Erp. Characteristic curves and ErP data**


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,099	270	339,2	2850	INCLUDED

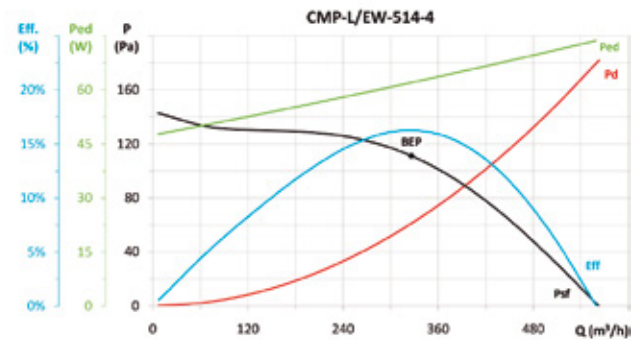


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,040	156	78,7	1410	INCLUDED

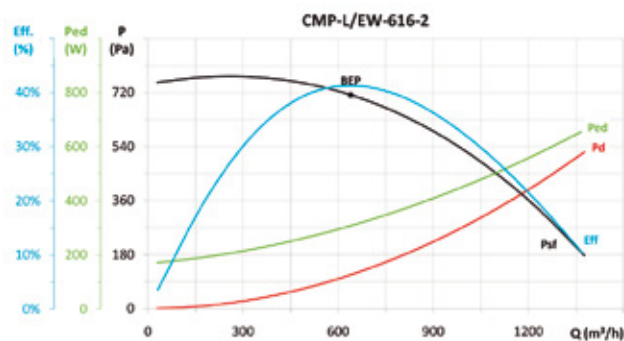


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,14	45,0%	56,4	0,160	399	568,1	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

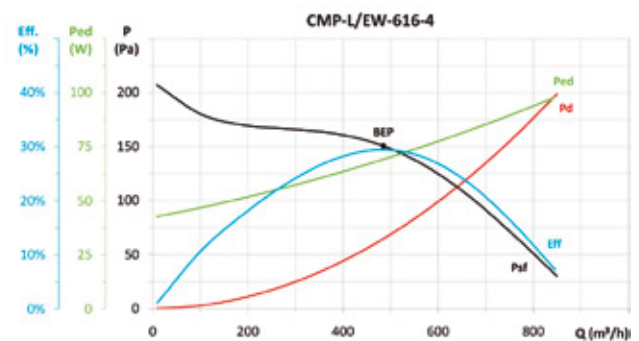


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,062	326	111,2	1410	INCLUDED

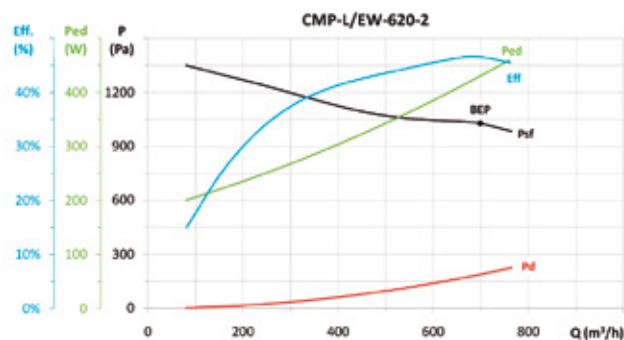


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,12	46,4%	56,0	0,306	639	712,3	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

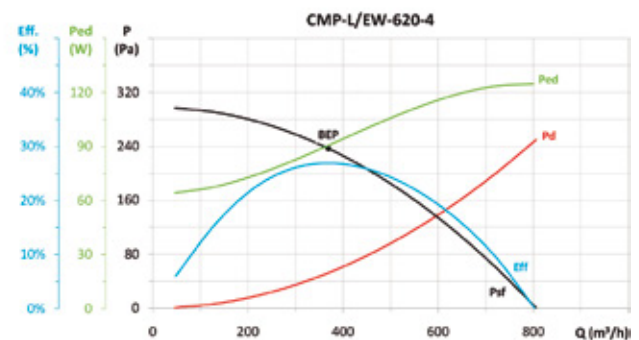


MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,069	485	150,6	1410	INCLUDED



MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,11	51,9%	60,6	0,428	699	1027,3	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc



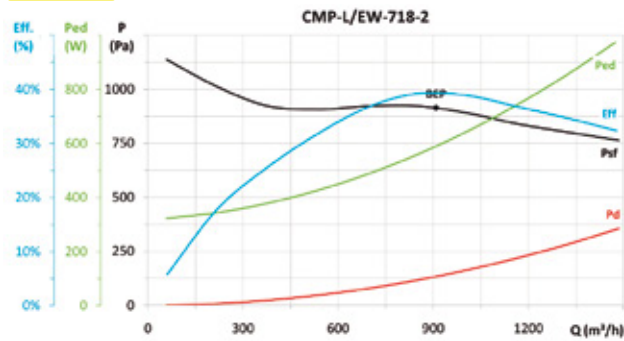
MC	EC	SR	Cc	$\eta_b$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,090	369	236,7	1410	INCLUDED



EFFICIENT WORK

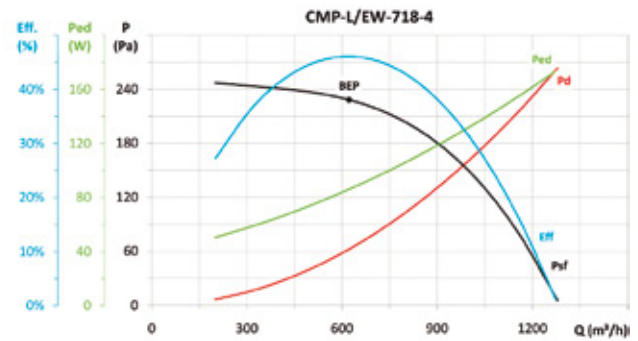


Erp. Characteristic curves and ErP data

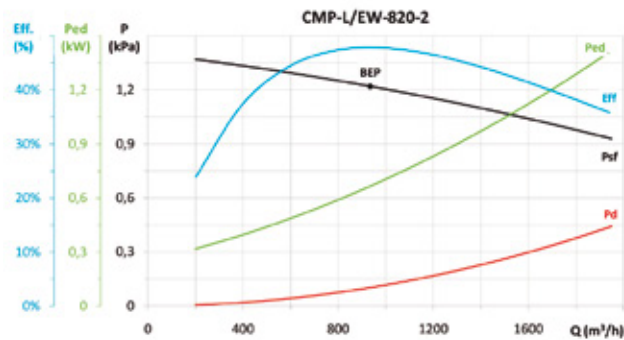


MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,10	43,5%	51,3	0,585	909	914,0	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

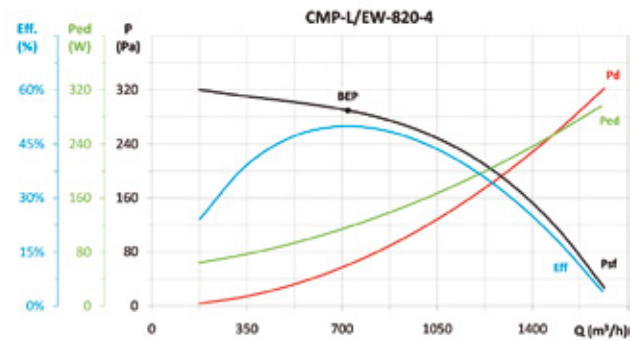


MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,085	622	228,3	1410	INCLUDED

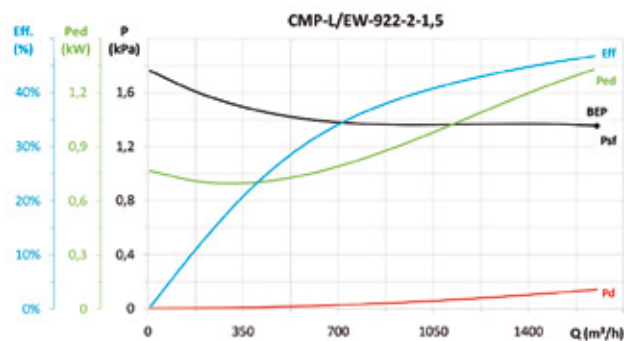


MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,10	52,6%	60,1	0,662	935	1220,0	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

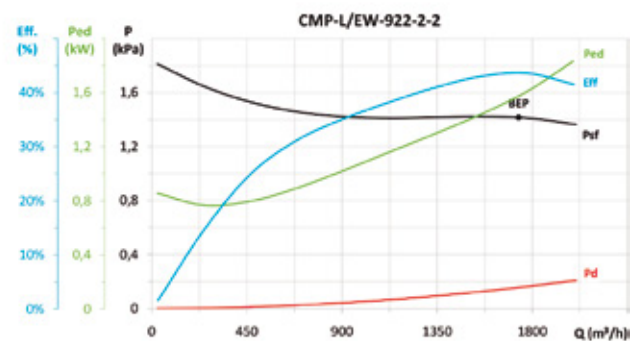


MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	-	-	-	-	0,116	721	289,6	1410	INCLUDED



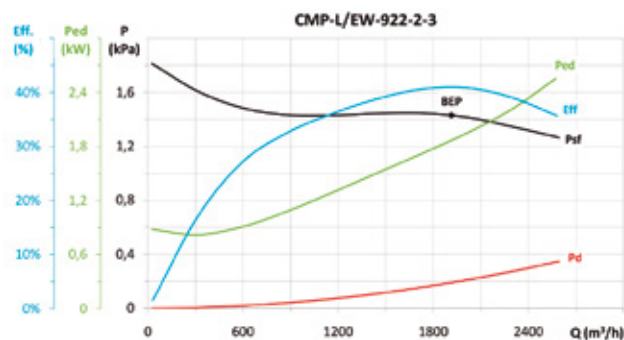
MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,08	50,5%	56,1	1,328	1652	1354,2	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc



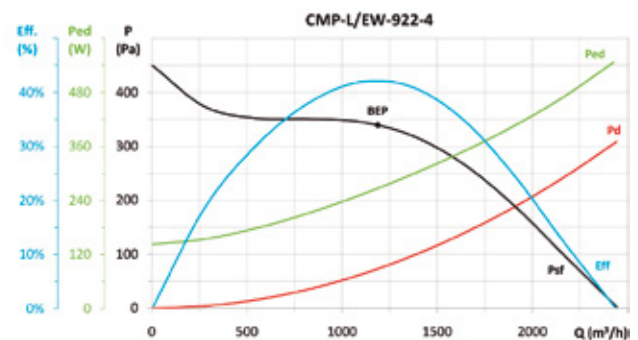
MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,02	1,07	46,9%	52,0	1,563	1736	1416,0	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc



MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,02	1,07	43,8%	48,5	1,855	1915	1429,2	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

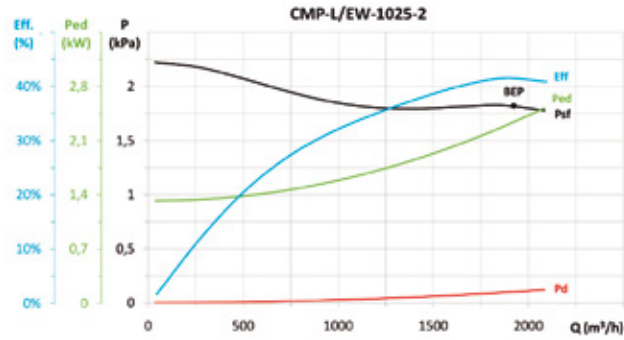


MC	EC	SR	Cc	$\eta_e$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,13	47,6%	57,5	0,265	1187	339,3	1410	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

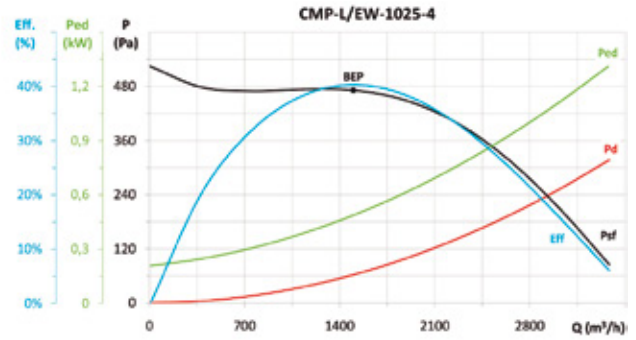


## Erp. Characteristic curves and ErP data



MC	EC	SR	Cc	$\eta_s$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,02	1,06	44,2%	48,2	2,337	1923	1821,1	2850	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc



MC	EC	SR	Cc	$\eta_s$ (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,11	44,7%	53,0	0,488	1501	471,5	1410	INCLUDED

\* $\eta_e$  (%) = Eff. (%) x Cc

## Accessories

See accessories section.



INT



RPA



B



BD



BIC



ACE



S



REG



CONTROL UNITS AND SENSORS