

# "CIL" - in-line centrifugal



- **Centrifugal fans for domestic, commercial or industrial use**
- **In-line**
- **3 Technopolymer cased models**
- **10 metal cased models**
- **Low noise levels**
- **Suitable for continuous running**
- **Exceeds Building Regulations requirements (including new Document F)**

## GENERAL

- In-Line centrifugal fans
- For domestic, commercial and industrial use
- 3 sizes and capacities with technopolymer casing (P) models.
- 7 sizes and 10 capacities with steel casing
- High performance extract capacities and pressure.
- Backward curved blades to ensure lowest possible sound and to develop high static pressure.
- Suitable for continuous running
- Fixing brackets included
- Can be used with rigid or flexible ducting
- Can be used with variable speed controller
- Easy to install.
- Easy to maintain
- "P" models protected by IPX2 rating - all other models to **IPX4 - Splashproof**

## SPECIFICATION

- "P" models have casings from shock-proof, high quality, impact resistant, technopolymer with high mechanical strength and V2 flame retarding features
- Other models have heavy-gauge, spun steel housing with baked epoxy finish inside and outside
- Electrical connections in external plastic box protected to IP54
- "P" model motors of shaded pole type mounted on self lubricating, sealed for life bearings for long life and quiet running
- Other motors are external rotor type mounted on self lubricating, sealed for life bearings for long life and quiet running
- Protected with thermal cut-out
- Fan and motor assembly balanced for quiet and vibration free operation
- For use in ambient temperatures ranging from -20°C to +60°C

## COMPLY WITH

- EN60335-2-80
- EN60335-2-31 ("P" Models only)
- EC Low Voltage Directive 73/23-93/68
- EC Directive EMC89/336
- CE marked
- Key marked

## TYPICAL SPECIFICATION

Supply and install a CIL150B centrifugal in-line fan as supplied by Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Bucks, HP12 3RH.

This fan is to be suitable for installation in commercial premises in-line in ducting 6"/15cm diameter.

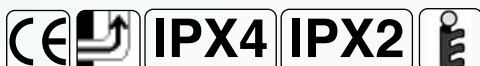
It is to be operated by a remote variable speed controller, come complete with fixing brackets and with housing from heavy-gauge, spun steel with a baked epoxy finish both inside and out.

The motor should of a durable external rotor style provided with thermal reset overload protection, and be mounted on self lubricating, sealed for life bearings maintenance free operation and quiet running. The fan should have an external electrical connection box protected to IP54, and the fan itself should be protected to IPX4.

Fan to comply with all current IEE, EC and Building Regulations requirements and be keymark approved.

## RANGE

- **CIL100P** - 4"/10cm technopolymer
- **CIL125P** - 5"/12cm technopolymer
- **CIL150P** - 6"/15cm technopolymer
- **CIL100B** - 4"/10cm metal
- **CIL125B** - 5"/12cm metal
- **CIL150B** - 6"/15cm metal
- **CIL200A** - 8"/20cm metal
- **CIL200B** - 8"/20cm metal
- **CIL250** - 10"/25cm metal
- **CIL315A** - 12"/31cm metal
- **CIL315B** - 12"/31cm metal
- **CIL355A** - 14"/35cm metal
- **CIL355B** - 14"/35cm metal



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## TECHNICAL CHARACTERISTICS

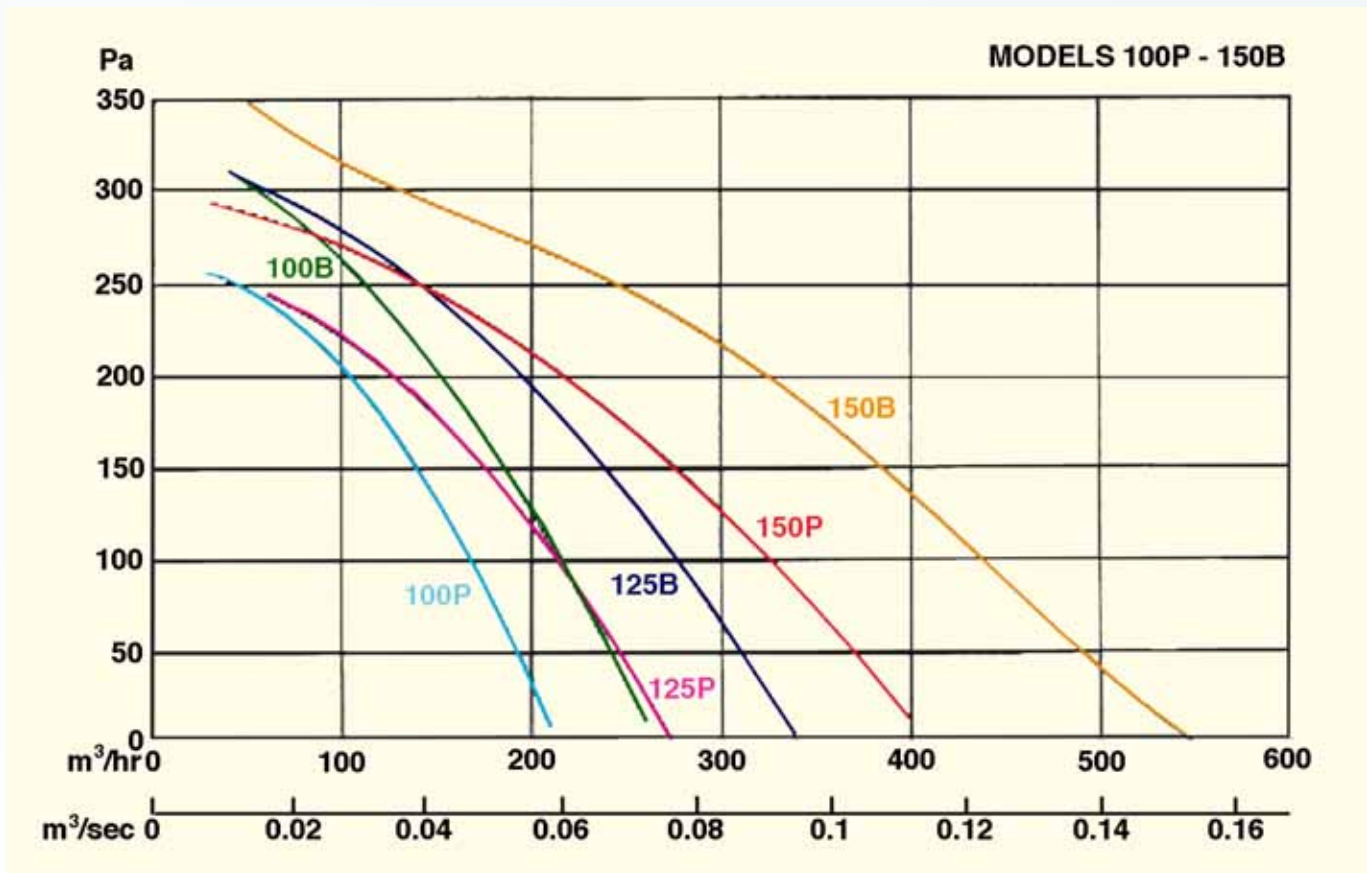
### INSTALLATION



### DIMENSIONS

Model	Amm	Bmm	ØCmm	ØDmm	Emm	Fmm	kg
CIL100P	238	25	98	212	-	-	1.5
CIL125P	238	25	112	212	-	-	1.5
CIL150P	232	28	147	253	-	-	2
CIL100B	215	12	245	98	24	38	3
CIL125B	214	11	245	122	24	38	3
CIL150B	230	22	333	148	22	38	5
CIL200A	230	22	333	198	27	38	5
CIL200B	230	22	333	198	27	38	5
CIL250	230	22	333	248	35	38	5
CIL315A	297	30	404	314	52	38	8
CIL315B	308	30	404	314	52	38	9
CIL355A	400	44	484	355	50	38	11.8
CIL355B	400	44	484	355	50	38	14.1

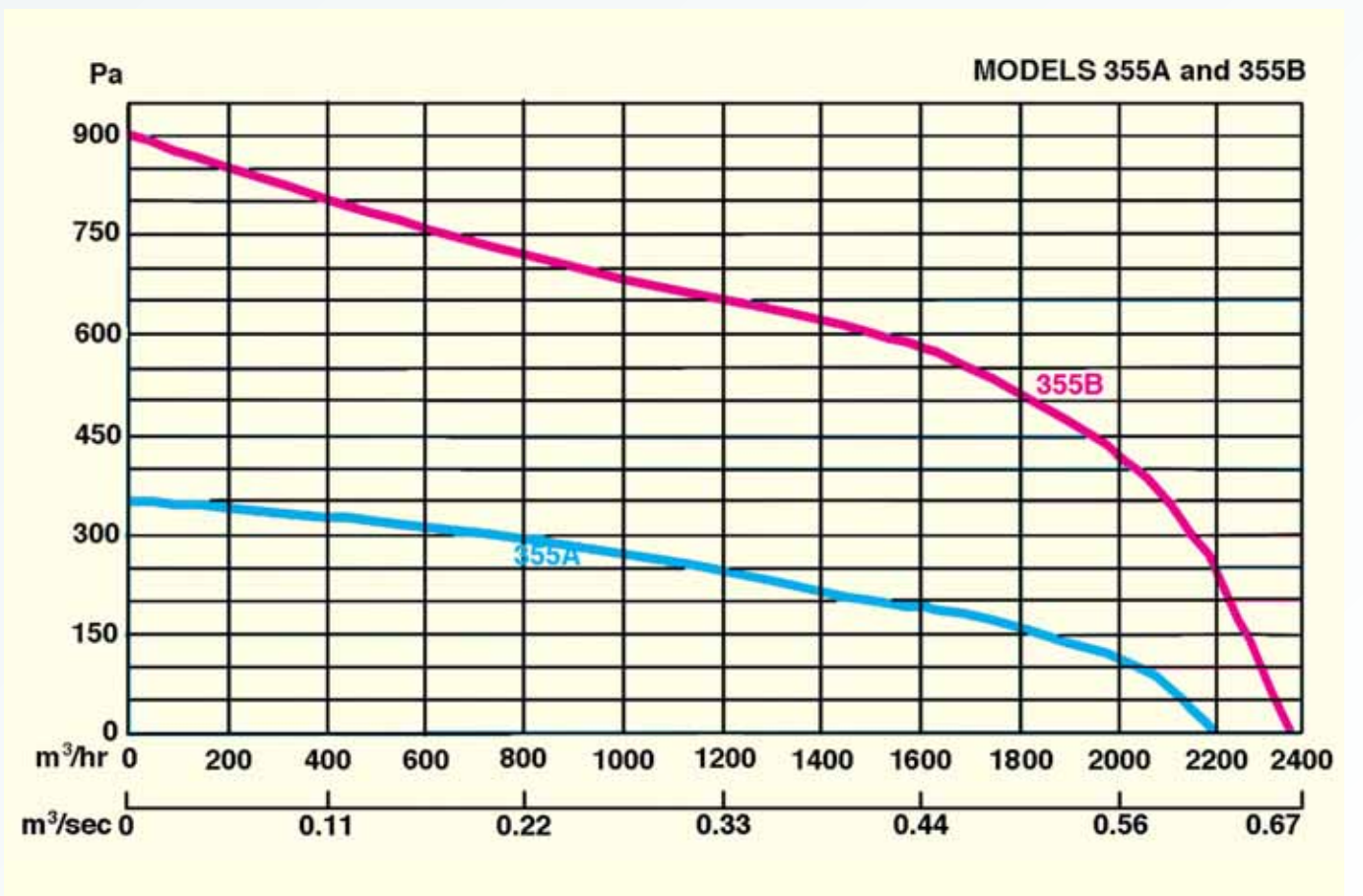
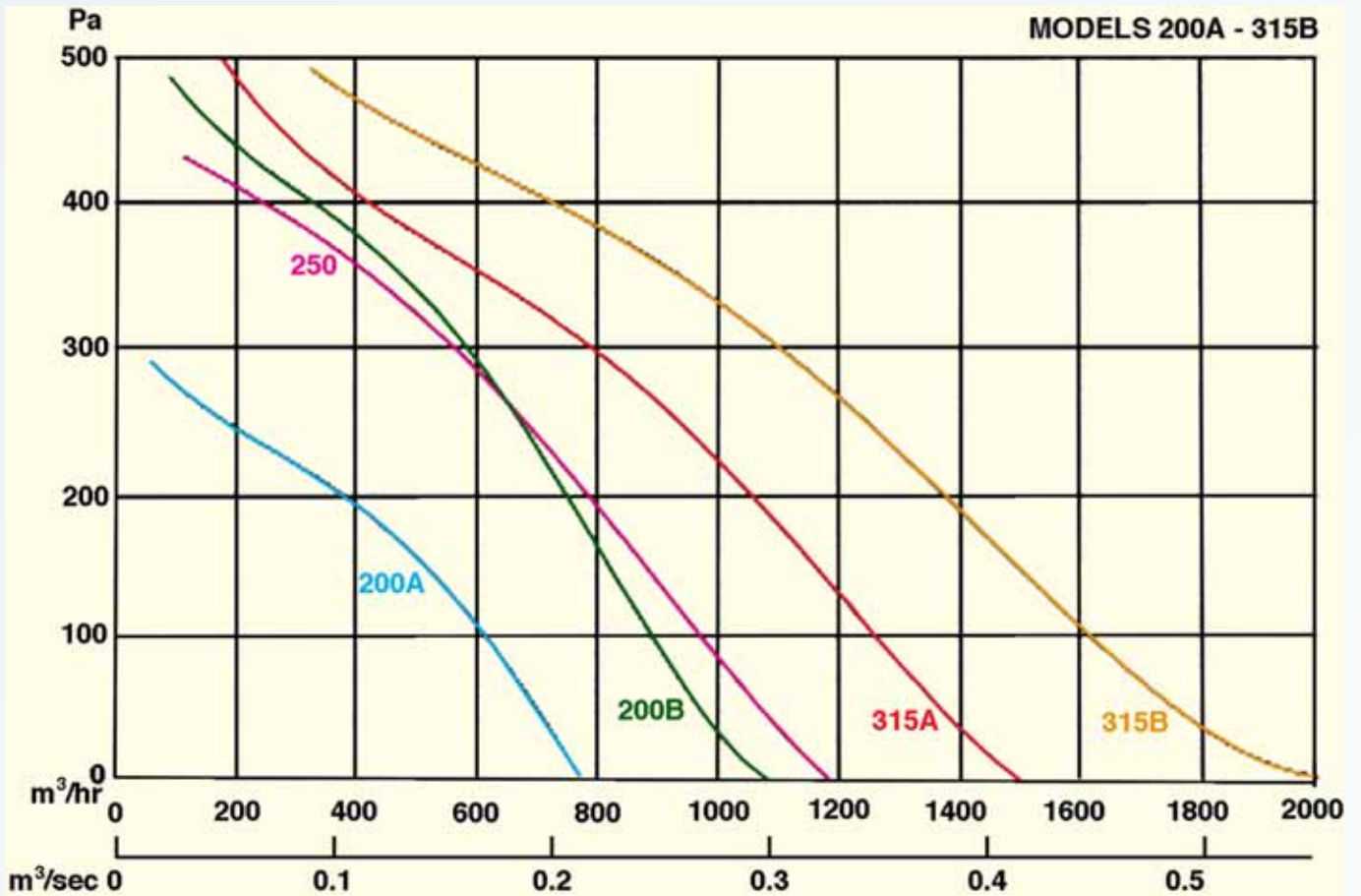
### PRESSURE





TECHNICAL CHARACTERISTICS

PRESSURE





## TECHNICAL CHARACTERISTICS

### GENERAL TECHNICAL

Model	Size		Power kw	Current	r.p.m	Speed Controller	Breakout Sound Level dba @ 3m	Sound Power Level db							
	ins	cm						Mid Octave Bands (Hz)							
								63	125	250	500	1000	2000	4000	5000
CIL100P	4	10	0.056	0.3	2700	VC1	43	31	34	35	36	40	39	41	34
CIL125P	5	12	0.056	0.3	2680	VC1	44	32	35	37	38	43	41	42	36
CIL150P	6	15	0.064	0.3	2500	VC1	46	33	35	38	39	46	44	46	40
CIL100B	4	10	0.065	0.3	2530	VC1	46	32	35	37	38	43	41	42	36
CIL125B	5	12	0.067	0.3	2400	VC1	45	33	36	38	39	43	41	43	38
CIL150B	6	15	0.073	0.4	2450	VC1	45	36	39	41	47	51	50	51	40
CIL200A	8	20	0.080	0.4	2450	VC1	50	32	35	41	44	50	49	48	40
CIL200B	8	20	0.148	0.7	2700	VC1	51	37	43	42	45	50	49	48	40
CIL250	10	25	0.182	0.8	2550	VC1	52	35	39	44	47	52	51	49	41
CIL315A	12	31	0.180	0.8	2645	VC1	52	34	38	40	44	49	51	47	39
CIL315B	12	31	0.278	1.3	2630	VC4M	56	35	40	41	47	50	52	49	41
CIL355A	14	35	.248	1.12	1330	VC1	57	36	39	42	43	50	53	50	40
CIL355B	14	35	.630	2.82	2560	VC4M	67	39	42	43	47	51	55	52	41

### PERFORMANCE

Model	Max Airflow		m <sup>3</sup> /sec at Pa														
	m <sup>3</sup> /hr	c.f.m.	0	25	50	75	100	125	150	175	200	250	300	350	400	450	500
CIL100P	210	124	0.058	0.056	0.054	0.051	0.047	0.045	0.038	0.035	0.026	0.009	-	-	-	-	-
CIL125P	280	165	0.078	0.073	0.067	0.063	0.058	0.053	0.048	0.043	0.038	0.017	-	-	-	-	-
CIL150P	400	235	0.111	0.107	0.104	0.098	0.093	0.086	0.077	0.068	0.058	0.034	0.009	-	-	-	-
CIL100B	260	153	0.072	0.070	0.067	0.064	0.061	0.057	0.053	0.047	0.042	0.028	0.011	-	-	-	-
CIL125B	340	200	0.094	0.091	0.086	0.081	0.076	0.072	0.069	0.061	0.054	0.037	0.014	-	-	-	-
CIL150B	550	324	0.153	0.144	0.136	0.129	0.123	0.114	0.105	0.099	0.092	0.068	0.035	0.014	-	-	-
CIL200A	770	453	0.214	0.206	0.198	0.184	0.169	0.156	0.141	0.127	0.109	0.041	0.017	-	-	-	-
CIL200B	1110	652	0.308	0.286	0.265	0.256	0.245	0.238	0.230	0.220	0.210	0.184	0.164	0.130	0.085	0.047	0.026
CIL250	1200	706	0.333	0.314	0.295	0.281	0.268	0.257	0.245	0.233	0.222	0.193	0.150	0.113	0.062	0.031	-
CIL315A	1500	882	0.417	0.399	0.382	0.366	0.350	0.336	0.321	0.307	0.295	0.261	0.221	0.167	0.116	0.079	0.048
CIL315B	2000	1176	0.556	0.523	0.490	0.468	0.446	0.432	0.417	0.401	0.385	0.334	0.309	0.261	0.215	0.119	0.091
CIL355A	2170	1280	0.600	0.590	0.570	0.560	0.540	0.510	0.480	0.440	0.390	0.290	0.200	-	-	-	-
CIL355B	2360	1392	0.660	0.650	0.640	0.630	0.625	0.620	0.615	0.610	0.600	0.590	0.580	0.570	0.560	0.550	0.530

### ACCESSORIES



Protection Guard



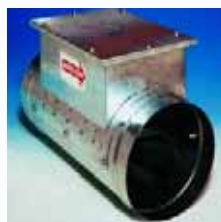
Duct Clamps

Backdraft  
Shutters

Filter Cassettes



Silencers



Duct heaters

FULL RANGE OF ACCESSORIES AVAILABLE INCLUDING FLEXIBLE AND FLAT DUCTING

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