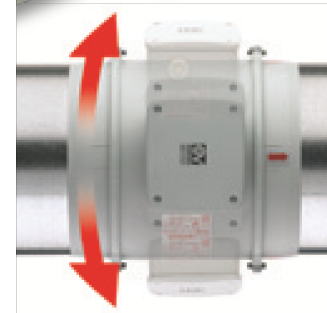
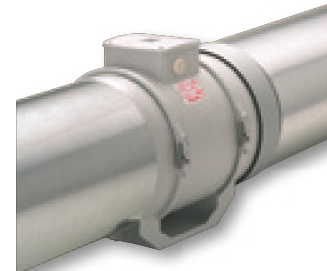
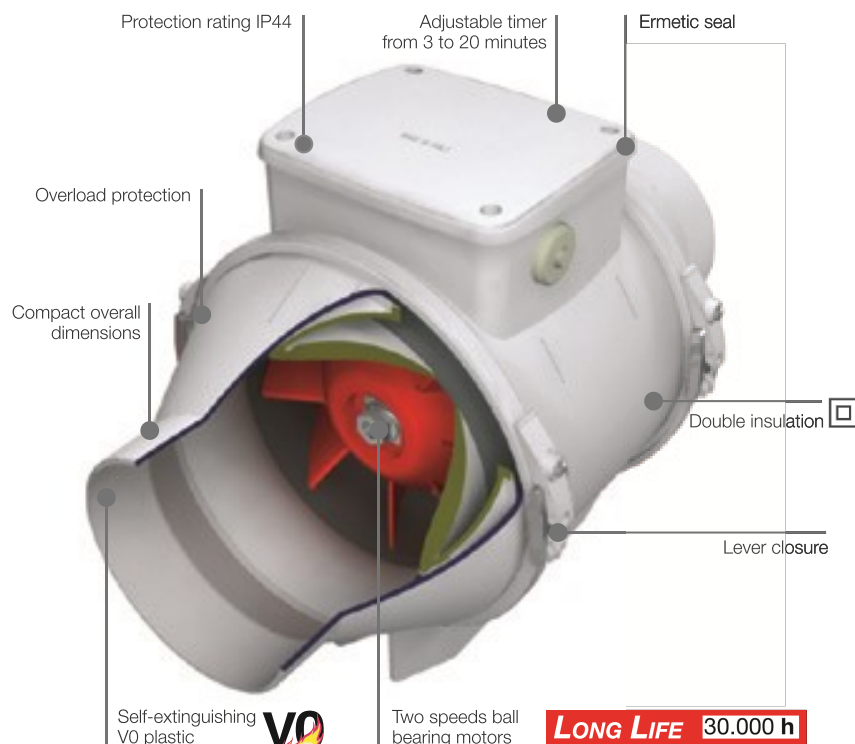


VORTICE LINEO

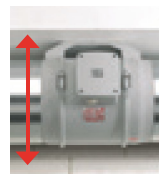
Vortice Lineo series in-line mixed flow fans are ideal for duct-mounted ventilation system requiring a good pressure, high air flow and low noise levels

KEY FEATURES



Vortice Lineo fans can be mounted in a wide range of options: at the beginning, middle or end of the air duct and horizontally, vertically, against walls, ceilings, false ceilings or any flat surface. Vortice Lineo range is easy to install and to be removed for inspection and maintenance.

Vortice Lineo fans can be fitted to standard round section pipes and to rectangular air ducts (using special mounting accessories). The integrated IP44 rated electrical junction box has an airtight cover. The product is supplied complete with a bag of accessories including anchor bolts and plugs, cable clamps and grommets.



COMPACT OVERALL DIMENSIONS

The products have a very small overall size, making them ideal for installation in cramped areas. Slim yet powerful, the overall diameter is only slightly larger than the ventilation duct it connects to.

OVERLOAD PROTECTION

Vortice Lineo models from 100 to 200 are provided with thermal cut-out devices. Lineo models from 250 to 315 are equipped with thermal cut-out, manually resettable.

COMPLIANCE TO STANDARDS

Vortice Lineo range is complying with EN 60335-2-80-1997. Performance conforms to UNI 10531 (Category D). They bear the CE Mark for compliance with the Low Voltage Directive (LVD) and Electromagnetic Compatibility Directive (EMC).

ENVIRONMENTAL SENSORS

Vortice Lineo fans are capable of advanced functionality in combination with optional sensor units for monitoring humidity, detecting persons, ambient temperature, pollutant levels and air quality.



VORTICE LINEO V0 RANGE

In-line mixed flow fans

PRODUCT SPECIFICATIONS

Suitable for residential, commercial and industrial applications: kitchens, bathrooms, offices, laboratories, factories, shops, laundromats, models, restaurants, bars, theatres, ballrooms, etc.



LONG LIFE 30.000 h

TIMER



- **18 models:** from 100 to 315 diameter.
- Enclosure and impellers made of self-extinguishing V0 mineral charged polypropylene.
- Ball bearing motors; motors 30.000 hours operation without mechanical malfunction.
- Two speeds.
- Speed adjustable through optional speed controllers.
- Controllable through Vortice environmental sensors and DUO two-speed controller.
- Available with an adjustable timer, from 3 to 20 minutes (T versions).
- Wide range of continuous operation temperatures between -25°C and +60°C.
- Protection rating: IP44.
- Insulation class: II □ .

TECHNICAL DATA

Models	Code	W		A		RPM		Max Airflow				Max Pressure				Lp dB(A)*	Max °C	Kg	
		min	max	min	max	min	max	m³/h		l/s		mmH₂O		Pa					
VORTICE LINEO 100 Q V0	17005	12	15	0.05	0.07	1860	2450	155	200	43.1	55.6	6.5	7.5	63.8	73.6	29.4	37.9	60	1.25
VORTICE LINEO 100 Q T V0	17025																		
VORTICE LINEO 100 V0	17001	20	23	0.09	0.11	1520	2030	180	255	50	70.8	13	16.5	127.5	161.9	30.7	39.4	60	1.8
VORTICE LINEO 100 T V0	17021																		
VORTICE LINEO 125 V0	17002	25	33	0.11	0.15	1570	2140	250	365	69.4	101.4	13	17	127.5	166.8	33.9	43		
VORTICE LINEO 125 T V0	17022																		
VORTICE LINEO 150 V0	17003	40	58	0.18	0.26	1580	2100	385	550	106.9	152.8	21	27	206	264.9	41.4	50.5		
VORTICE LINEO 150 T V0	17023																		
VORTICE LINEO 160 V0	17004	40	58	0.18	0.26	1580	2100	385	550	106.9	152.8	21	27	206	264.9	41.7	50.8		
VORTICE LINEO 160 T V0	17024																		
VORTICE LINEO 200 Q V0	17007	45	75	0.22	0.37	1780	2740	700	950	194.4	263.9	13	29	127.5	284.5	39.6	49		
VORTICE LINEO 200 Q T V0	17028																		
VORTICE LINEO 250 Q V0	17027	85	110	0.40	0.50	1850	2550	720	990	200	275	34	53	333.5	519.9	49.1	56.2		
VORTICE LINEO 250 Q T V0	17029																		
VORTICE LINEO 200 V0	17006	98	145	0.43	0.64	1580	2140	790	1060	219.4	294.4	29	33	284.5	323.7	46.2	52.5		
VORTICE LINEO 200 T V0	17026																		
VORTICE LINEO 250 V0	17009	110	180	0.48	0.78	1900	2550	990	1350	275	375	36	53	353.5	519.9	51.4	59.1		
VORTICE LINEO 315 V0	17010	200	300	0.90	1.32	1780	2450	1740	2300	483.3	638.9	43.5	75	426.7	735.8	50.6	63.4		

Available only for the Extra EU market**

* Sound pressure level measured at 3 m in free field conditions with long-cased appliance in delivery mode, in accordance with standard EN ISO 3741:2009.

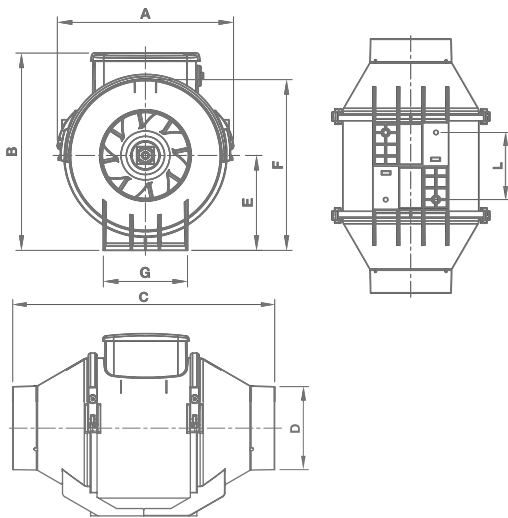
Electric supply: 220-240 V - 50 Hz.



VORTICE LINEO V0
RANGE



DIMENSIONS

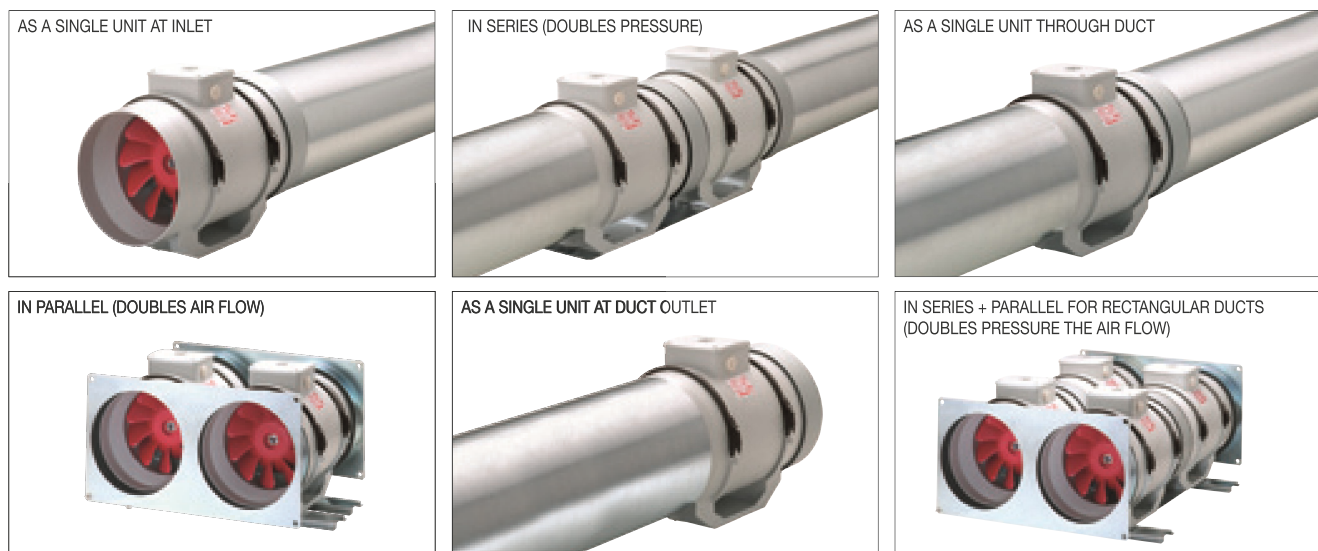


Models	A	B	C	Ø D	E	F	G	L
VORTICE LINEO 100 Q V0	156	174	231	96	82	152	95	47.5
VORTICE LINEO 100 Q T V0								
VORTICE LINEO 100 V0	188.5	211	303	96	101.5	189	90	80
VORTICE LINEO 100 T V0								
VORTICE LINEO 125 V0	188.5	211	258	122	101.5	189	90	80
VORTICE LINEO 125 T V0								
VORTICE LINEO 150 V0	214.5	234	294	146	112.5	212	110	80
VORTICE LINEO 150 T V0								
VORTICE LINEO 160 V0	214.5	234	272.5	156	112.5	212	110	80
VORTICE LINEO 160 T V0								
VORTICE LINEO 200 Q V0	234.5	260.5	300	196	125.5	235	140	100
VORTICE LINEO 200 Q T V0								
VORTICE LINEO 250 Q V0	300	317	385	247	152.5	292	176.5	145
VORTICE LINEO 250 Q T V0								
VORTICE LINEO 315 V0	361.5	394.5	448	312	188.5	359	220.5	182

Dimensions (mm)

INSTALLATION

Vortice Lineo extractors can be mounted in a wide range of options - at the beginning, in the middle or at end of air duct and horizontally, vertically, against walls, ceilings, false ceilings on any flat surface. One of the main features is easy inspection and maintenance, in just a few seconds. Vortice Lineo units can be fitted to standard round section pipes and to rectangular air ducts (using unique special mounting accessories).





VORTICE LINEO V0 RANGE

In-line mixed flow fans

SOUND PRESSURE LEVELS

Models	Code	Sound pressure level [db(A)] *EN ISO 3741:1999	
		min	max
VORTICE LINEO 100 Q V0	17005	25	29
VORTICE LINEO 100 Q T V0	17025		
VORTICE LINEO 100 V0	17001	25	30
VORTICE LINEO 100 T V0	17021		
VORTICE LINEO 125 V0	17002	27	33
VORTICE LINEO 125 T V0	17022		
VORTICE LINEO 150 V0	17003	28	33
VORTICE LINEO 150 T V0	17023		
VORTICE LINEO 160 V0	17004	28	34
VORTICE LINEO 160 T V0	17024		
VORTICE LINEO 200 Q V0	17007	30	36
VORTICE LINEO 200 Q T V0	17028		
VORTICE LINEO 200 V0	17006	46.2	52.5
VORTICE LINEO 200 T V0	17026		
VORTICE LINEO 250 Q V0	17027	38	40
VORTICE LINEO 250 Q T V0	17029		
VORTICE LINEO 250 V0	17009	51.4	59.1
VORTICE LINEO 315 V0	17010		

Sound Level measured at 3 m in free air condition with product completely ducted.



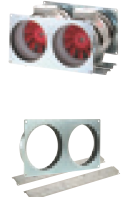
SOUND PRESSURE LEVELS

Models	Code	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz	Lw dB(A)
VORTICE LINEO 100 Q V0	17005	45.6	56.5	55.5	55.6	47.4	44.3	33.6	58.5
VORTICE LINEO 100 Q T V0	17025								
VORTICE LINEO 100 V0	17001	52.3	62.3	58.6	53.5	51.0	42.6	34.0	60
VORTICE LINEO 100 T V0	17021								
VORTICE LINEO 125 V0	17002	51.4	61.8	59.5	59.6	56.8	48.6	40.5	63.6
VORTICE LINEO 125 T V0	17022								
VORTICE LINEO 150 V0	17003	60.5	68.3	67.8	63.7	66.7	55.6	45.8	71.1
VORTICE LINEO 150 T V0	17023								
VORTICE LINEO 160 V0	17004	59.1	68.9	66.7	64.4	67.0	57.8	48.4	71.3
VORTICE LINEO 160 T V0	17024								
VORTICE LINEO 200 Q V0	17007	64.2	69.6	66.5	62.8	63.5	55.2	47.3	69.5
VORTICE LINEO 200 Q T V0	17028								
VORTICE LINEO 200 V0	17006	68.6	68.6	71.2	69.1	70.7	66.3	57.4	75.7
VORTICE LINEO 200 T V0	17026								
VORTICE LINEO 250 Q V0	17027	65.8	75.1	71.5	74.0	66.7	60.8	52.5	76.5
VORTICE LINEO 250 Q T V0	17029								
VORTICE LINEO 250 V0	17009	69.0	73.1	77.2	76.0	72.3	62.9	55.1	79.7
VORTICE LINEO 315 V0	17010								



VORTICE LINEO V0
RANGE

ACCESSORIES FOR SERIES AND PARALLEL INSTALLATION











	Description	Code	Product
	LINEO-C 100 Installation kit tube	22584	17001 - 17021
	LINEO-C 125 Installation kit tube	22585	17002 - 17022
	LINEO-C 150 Installation kit tube	22586	17003 - 17023
	LINEO-C 160 Installation kit tube	22587	17004 - 17024
	LINEO-C 200 Installation kit tube	22588	17007 - 17028 - 17006 - 17026
	LINEO-C 250 Installation kit tube	22589	17027 - 17029 - 17009 - 17010
	LINEO-SF 500 Series installation plate	22593	17001 - 17021 - 17002 - 17003 - 17023 - 17004 17024 - 17007 - 17028 - 17026 - 17026
	LINEO-SF 700 Series installation plate	22594	17027 - 17029 - 17009 - 17010
	LINEO-PF 100 Parallel installation kit (flanges and rails)	22577	17001 - 17021
	LINEO-PF 125 Parallel installation kit (flanges and rails)	22578	17002 - 17022
	LINEO-PF 150 Parallel installation kit (flanges and rails)	22579	17003 - 17023
	LINEO-PF 160 Parallel installation kit (flanges and rails)	22581	17004 - 17024
	LINEO-PF 200 Parallel installation kit (flanges and rails)	22582	17007 - 17028 - 17006 - 17026
	LINEO-PF 250 Parallel installation kit (flanges and rails)	22583	17027 - 17029 - 17009 - 17010



VORTICE LINEO V0 RANGE

In-line mixed flow fans

PRODUCT ACCESSORIES

	Description	Code	Product
	C HCS Environmental sensor for humidity	12994	All products
	C PIR Passive infrared sensor	12998	
	C SMOKE Environmental sensor for air quality	12993	
	C TEMP Environmental sensor for temperature	12992	
	C TIMER Adjustable over-run timer	12999	17005 - 17001 - 17002 - 17003 - 17004 - 17007 17006 - 17027 - 17009 - 17010
	DUO Speed controller	22914	All products
	C5 0.5 Speed controller 0.5 A	12987	17005 - 17001 - 17002 - 17003 - 17004 - 17007 17006 - 17027 - 17009 - 17010
	C 1.5 Electronic speed controller 1.5 A	12966	
	C 2.5 Electronic speed controller 2.5 A	12967	
	KIT SCB Built-in controller adaptors for C 1.5 and C 2.5	22481	12966 - 12967
	KIT SCB5 Built-in controller adaptors for C5 0.5	22483	12987
	LINEO-G 100 Lineo grille nominal diameter 100	22701	17005 - 17025 - 17001 - 17021
	LINEO-G 125 Lineo grille nominal diameter 125	22702	17002 - 17022
	LINEO-G 150 Lineo grille nominal diameter 150	22703	17003 - 17023
	LINEO-G 160 Lineo grille nominal diameter 160	22704	17004 - 17024
	LINEO-G 200 Lineo grille nominal diameter 200	22705	17007 - 17028 - 17006 - 17026
	LINEO-G 250 Lineo grille nominal diameter 250	22706	17027 - 17029 - 17009 - 17010

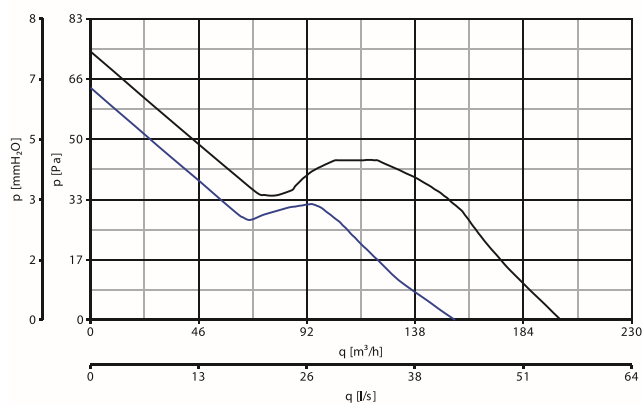
Description and size on page 52; System components on page 54



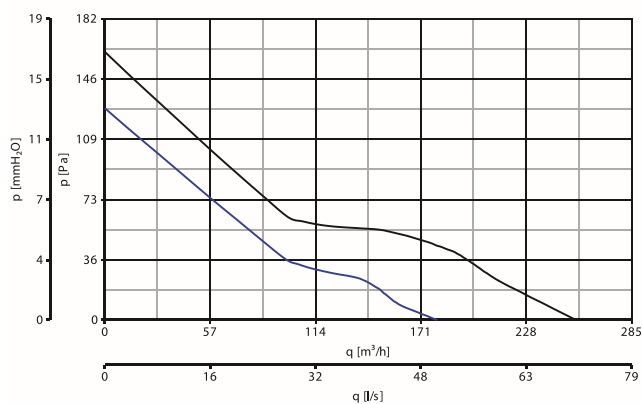
VORTICE LINEO V0
RANGE

PERFORMANCE CURVES

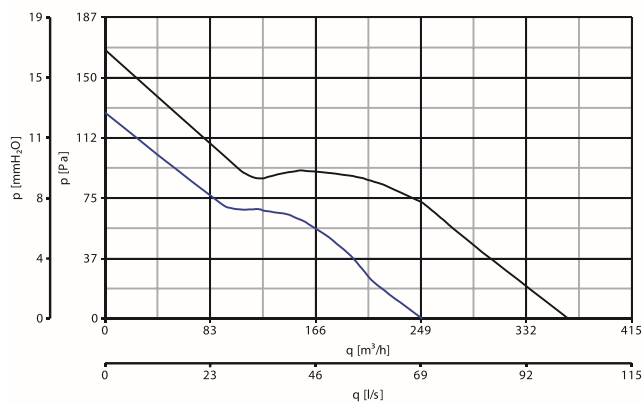
LINEO 100 Q V0 cod. 17005 - LINEO 100 Q T V0 cod. 17025



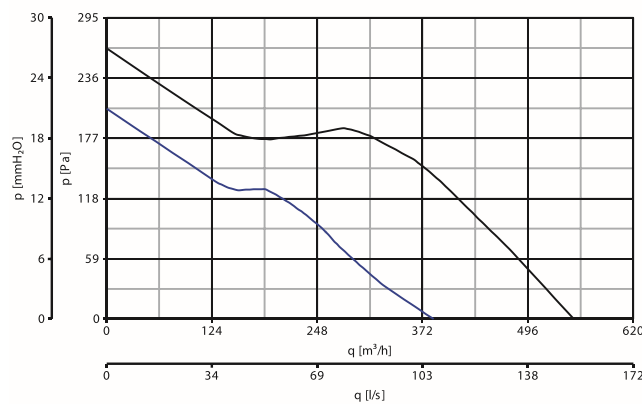
LINEO 100 V0 cod. 17001 - LINEO 100 T V0 cod. 17021



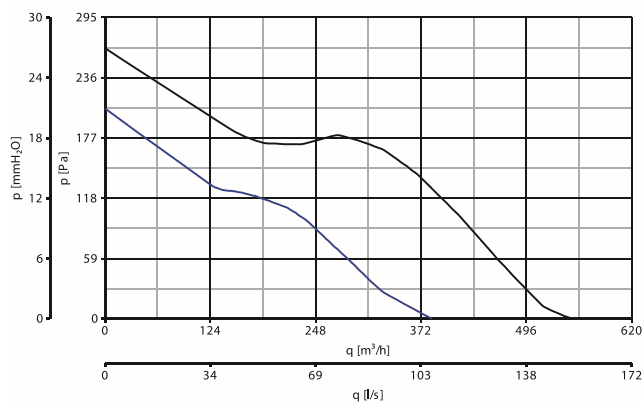
LINEO 125 V0 cod. 17002 - LINEO 125 T V0 cod. 17022



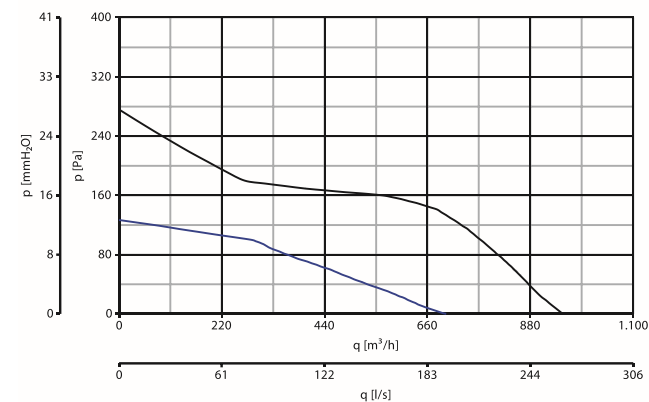
LINEO 150 V0 cod. 17003 - LINEO 150 T V0 cod. 17023



LINEO 160 V0 cod. 17004 - LINEO 160 T V0 cod. 17024



LINEO 200 Q V0 cod. 17007 - LINEO 200 Q T V0 cod. 17028



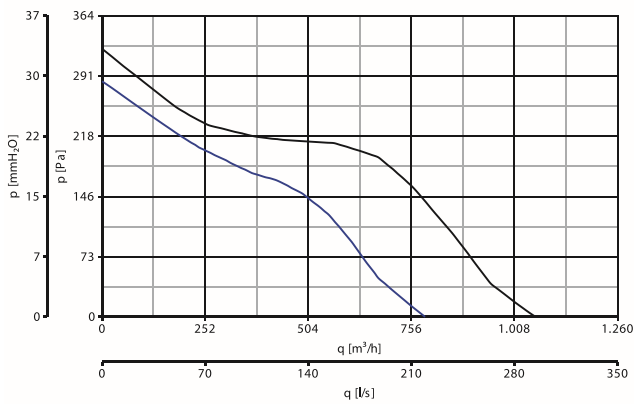


VORTICE LINEO V0 RANGE

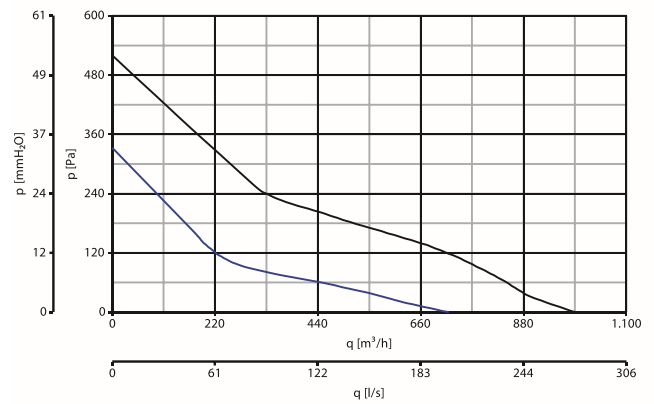
In-line mixed flow fans

PERFORMANCE CURVES

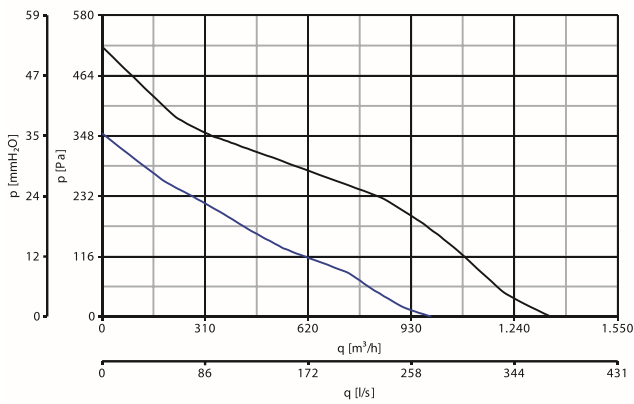
LINEO 200 V0 cod. 17006 - LINEO 200 V0 T CODE 17026



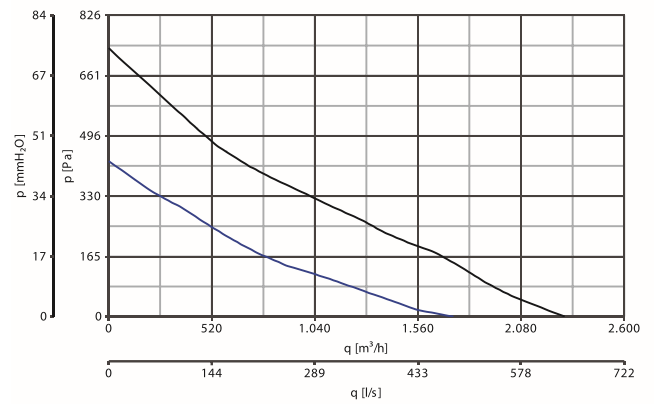
LINEO 250 Q V0 cod. 17027 - LINEO 250 Q T V0 cod. 17029



LINEO 250 V0 cod. 17009



LINEO 315 cod. 17010

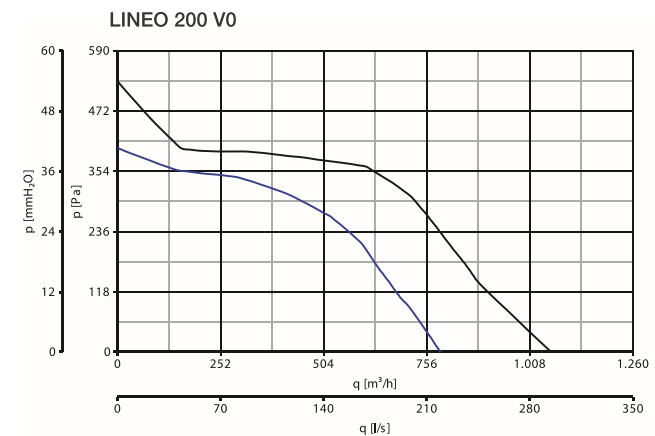
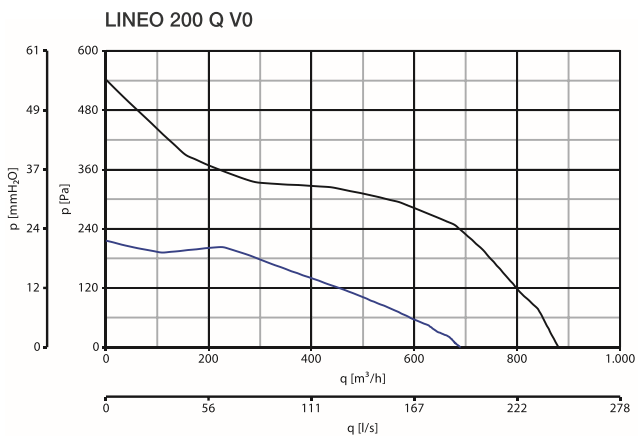
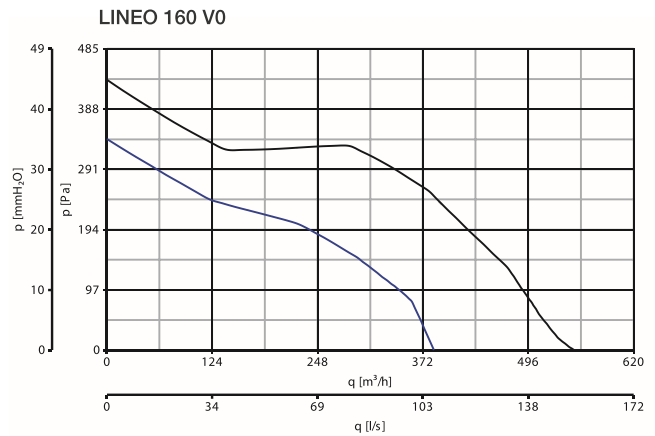
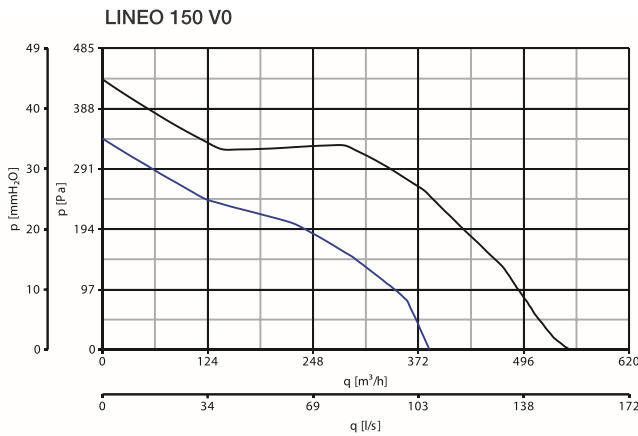
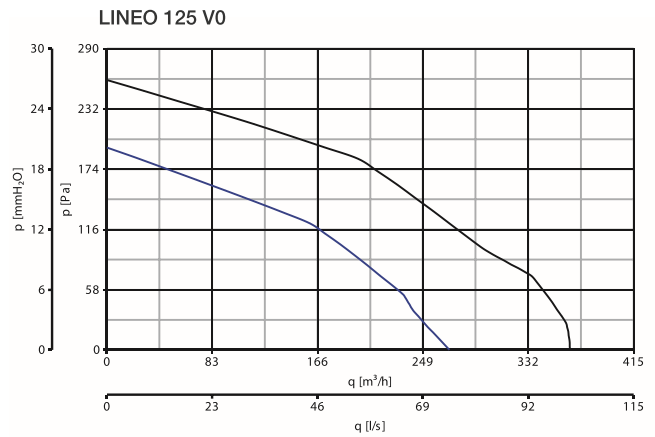
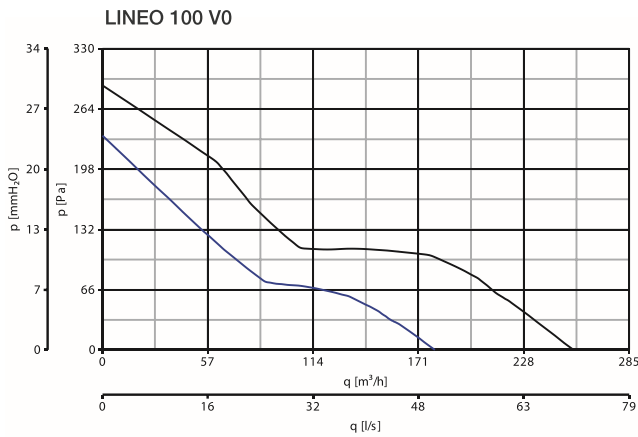


— min. — max.



VORTICE LINEO V0
RANGE

IN SERIES PERFORMANCE CURVES

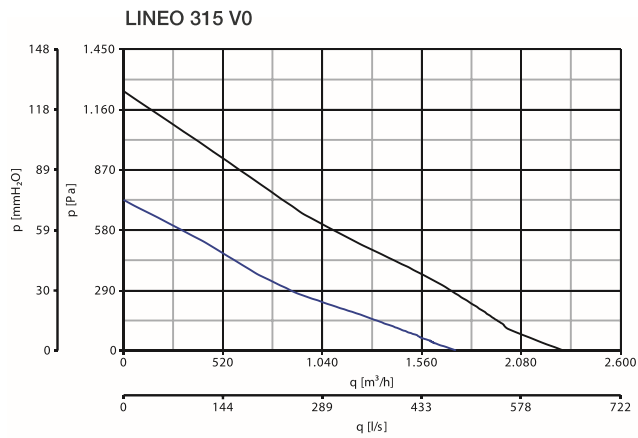
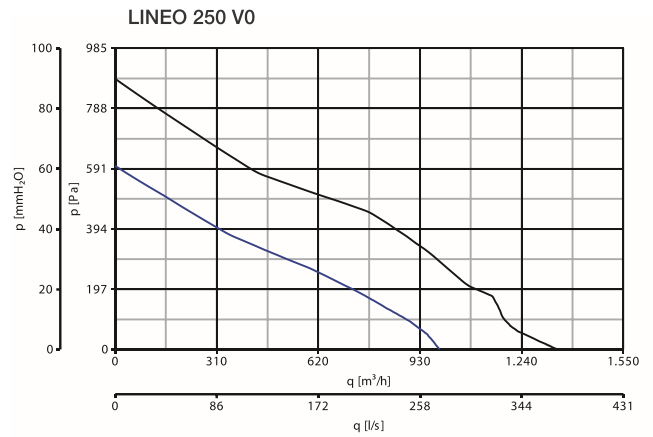
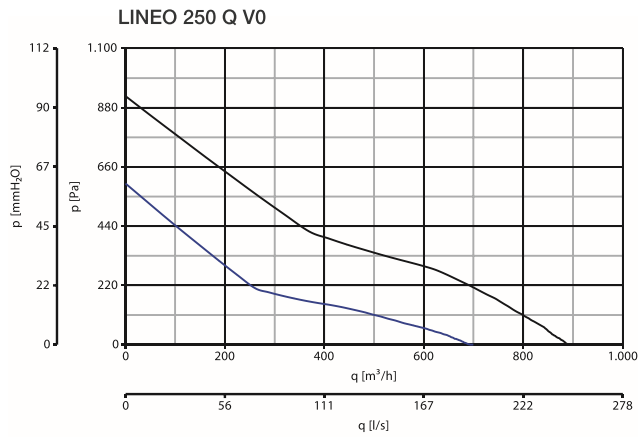




VORTICE LINEO V0 RANGE

In-line mixed flow fans

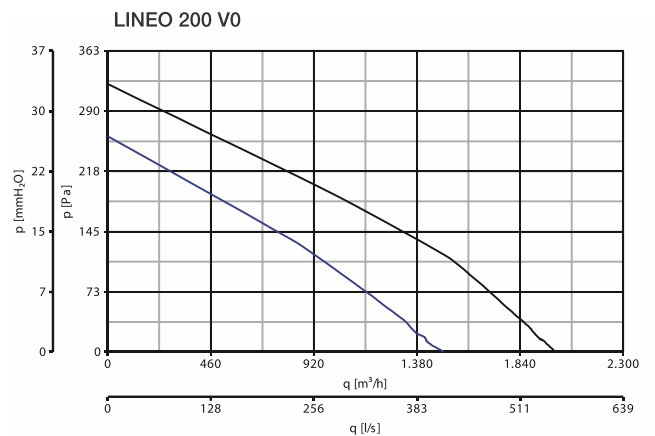
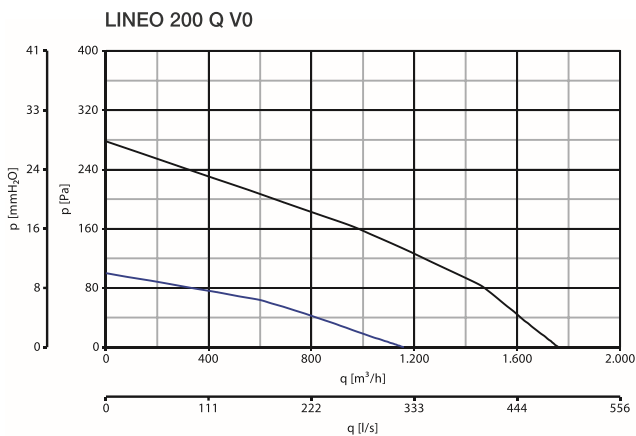
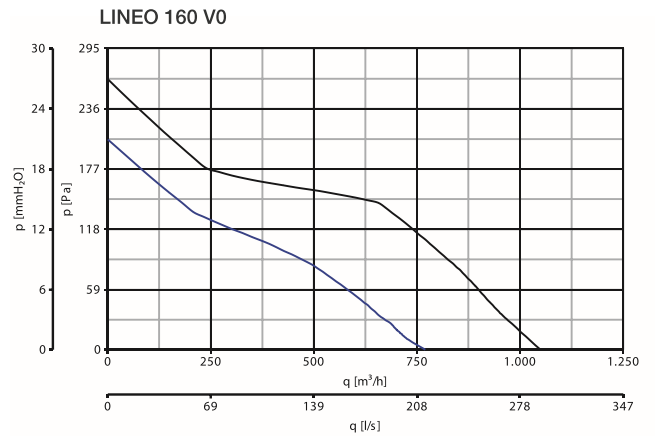
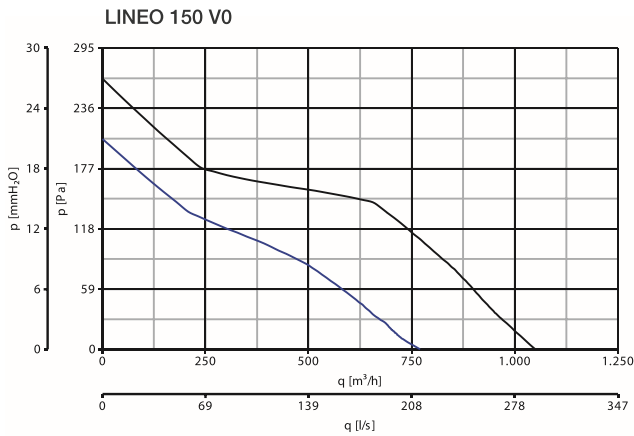
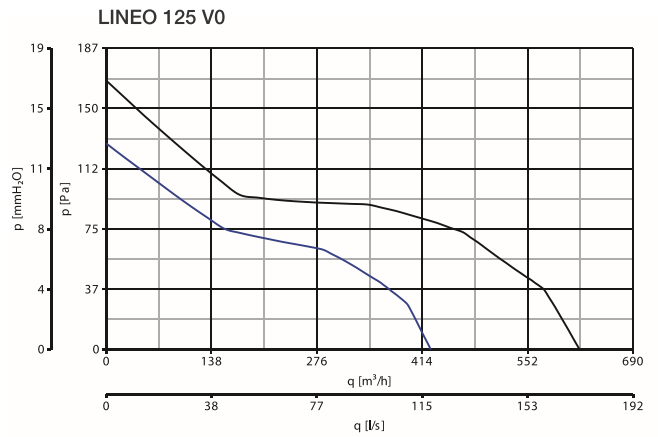
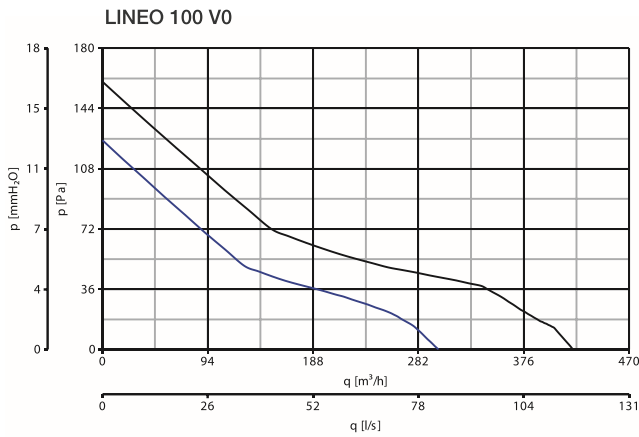
IN SERIES PERFORMANCE CURVES





VORTICE LINEO V0
RANGE

IN PARALLEL PERFORMANCE CURVES

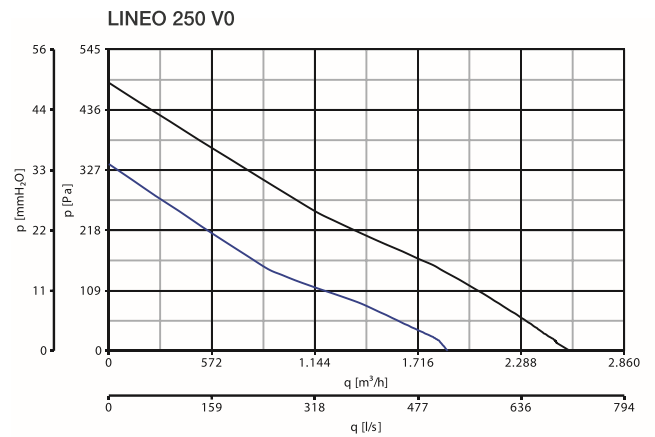
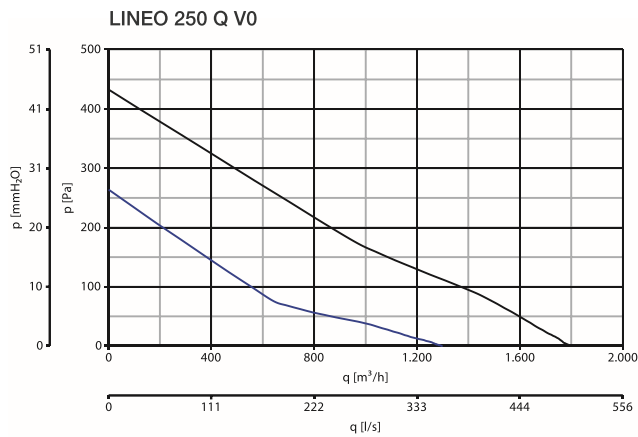




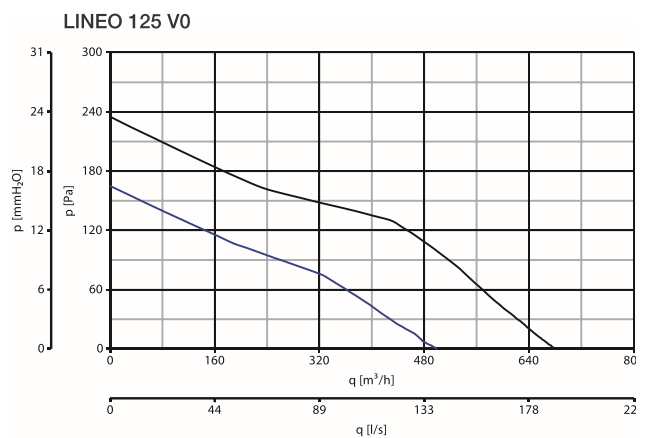
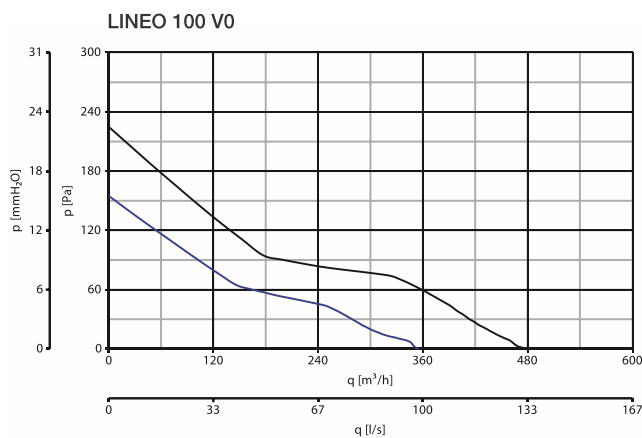
VORTICE LINEO V0 RANGE

In-line mixed flow fans

IN SERIES PERFORMANCE CURVES



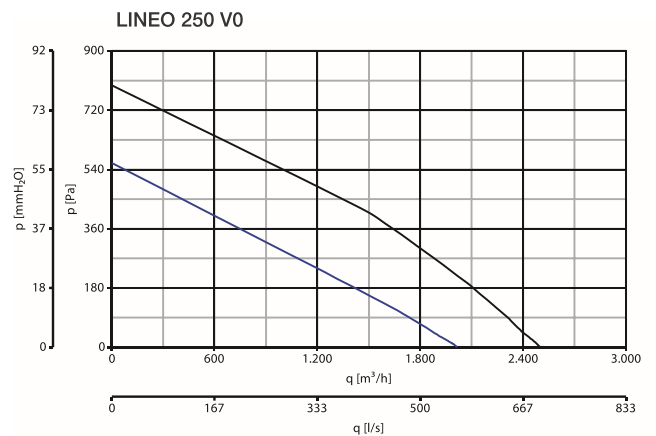
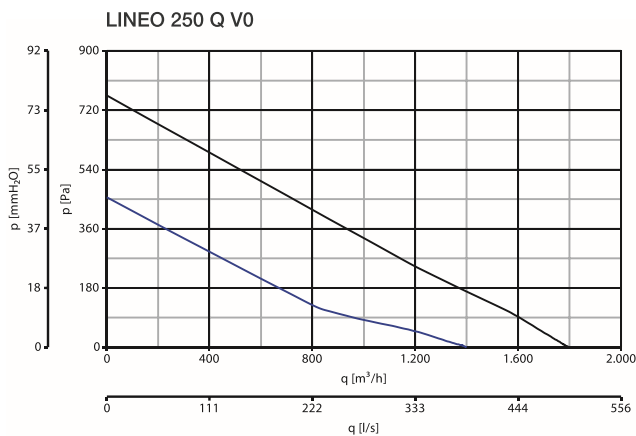
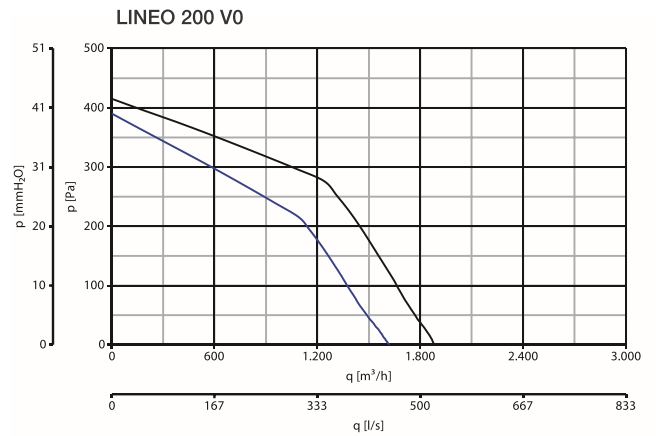
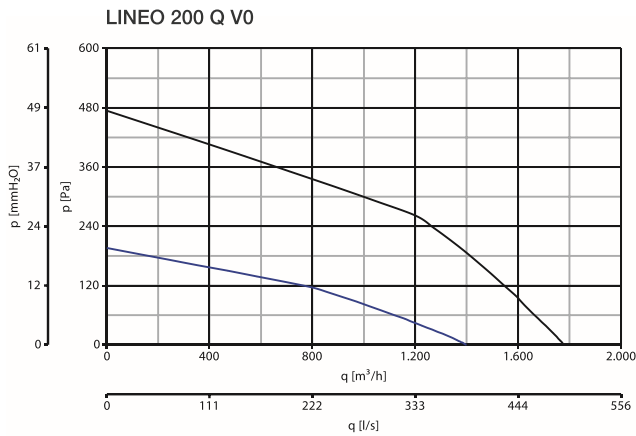
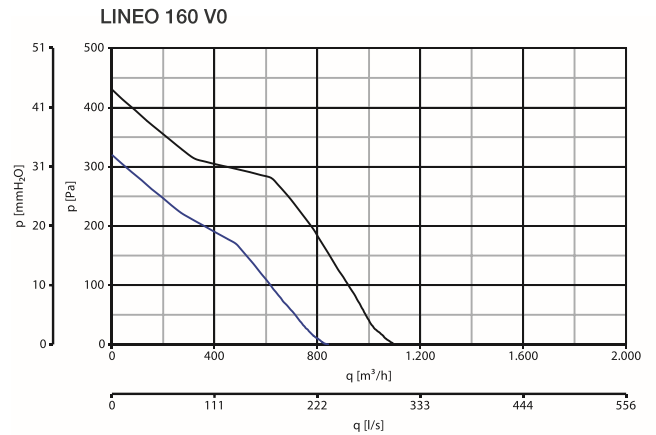
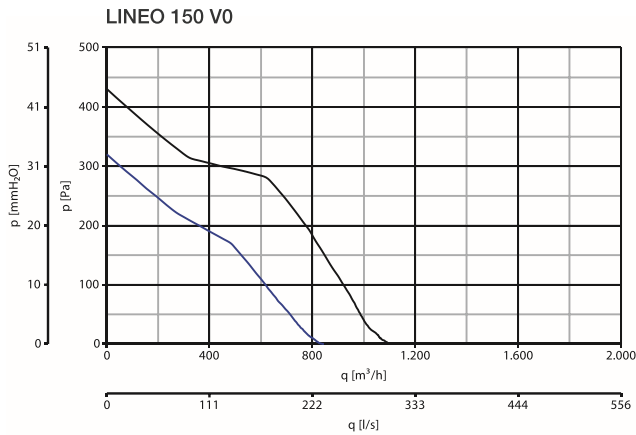
IN SERIES + PARALLEL PERFORMANCE CURVES





VORTICE LINEO V0
RANGE

IN SERIES + PARALLEL PERFORMANCE CURVES





LINEO ES RANGE

“Energy Saving” mixed flow extractor fans

PRODUCT SPECIFICATIONS



Suitable for residential, commercial and industrial applications: kitchens, bathrooms, offices, laboratories, factories, shops, laundromats, models, restaurants, bars, theatres, ballrooms, etc.

LONG LIFE 30.000 h



- **8 models:** from 100 to 315 diameter.
- Enclosure and impellers made of self-extinguishing V0 mineral charged polypropylene.
- EC brushless motors.
- Ball bearing motors for at least 30.000 hours operation without mechanical malfunction.
- Two speeds.
- Controllable through Vortice environmental sensors and DUO two-speed controller.
- Protection rating: IP44 (inline installation).
- Insulation class: I ⊕ (for model LINEO ES 315).
- Insulation class: II. □



TECHNICAL DATA

Models	Code	W		A		RPM		Max Airflow				Max Pressure				Lp dB(A)*		Max C°	Kg
		min	max	min	max	min	max	m³/h		I/S		mmH₂O		Pa		min	max		
LINEO 100 Q ES	17036	4.5	7	0.05	0.08	1420	2120	90	145	25	40	3.6	8	35	78	21.0	33.3	60	1.5
		7	12	0.07	0.12	2125	2850	155	210	43	58	9	15	88	147	28.9	40.0		
		10	16.5	0.10	0.16	2560	3300	170	230	47	64	11	18	108	177	33.5	44.5		
LINEO 100 ES	17031	5.5	8	0.06	0.09	1320	1650	140	185	39	51	7	12	69	118	25.3	31.4	60	1.9
		8	12	0.09	0.12	1620	2000	180	255	50	71	12	23	118	225	31.4	36.4		
		11	17	0.11	0.17	1920	2330	220	270	61	75	17	26	167	255	35.7	40.8		
LINEO 125 ES	17032	6.5	10.5	0.07	0.11	1285	1660	190	270	53	75	9	16	88	157	28.9	35.1	60	1.8
		10	17	0.10	0.17	1600	2040	250	365	69	101	15	29	147	284	34.8	40.3		
		13.5	24	0.13	0.22	1870	2370	300	380	83	105	20	33	196	324	39.3	44.4		
LINEO 150 ES	17033	10	22	0.10	0.20	1340	1875	325	440	90	122	15	28	147	275	35.0	44.1	60	2.2
		15	35	0.15	0.31	1630	2230	385	550	107	153	22	43	216	422	41.6	47.1		
		22	52	0.20	0.44	1870	2560	465	620	129	172	31	53	304	520	46.0	53.2		
LINEO 160 ES	17034	10	23	0.10	0.21	1300	1900	325	450	90	125	15	28	147	275	33.8	44.6	60	2.1
		15	38	0.15	0.33	1560	2290	385	570	107	158	22	43	216	422	39.2	47.7		
		22	55	0.20	0.45	1830	2620	465	630	129	175	31	53	304	520	45.7	54.1		
LINEO 200 ES	17037	22	34	0.21	0.32	1990	2330	620	760	172	211	13	19	127	186	39.4	44.3	50	2.5
		36	57	0.33	0.50	2400	2820	750	1000	208	278	19	27	186	265	44.8	46.2		
		53	74	0.47	0.63	2750	3120	870	1080	242	300	25	37	245	363	45.3	47.5		
LINEO 250 ES	17038	27	59	0.26	0.54	1720	2280	650	850	180	236	19	34	186	333	43.0	50.9	50	5.3
		45	95	0.42	0.83	2100	2750	800	1150	222	319	29	51	284	500	47.4	55.0		
		65	124	0.59	1.06	2400	3010	920	1250	255	347	37	65	363	637	50.4	57.3		
LINEO 315 ES	17039	119	240	0.83	1.60	1800	2350	1400	1900	530	389	40	70	392	686	54.1	64.9	50	9.5

* Sound pressure level measured at 3 m in free field conditions with long-cased appliance in delivery mode, in accordance with standard EN ISO 3741:2009. The values in the table refer to three conditions: minimum setting, nominal and maximum setting.

Electric supply: 230 V ~ 50 Hz.



LINEO ES
RANGE

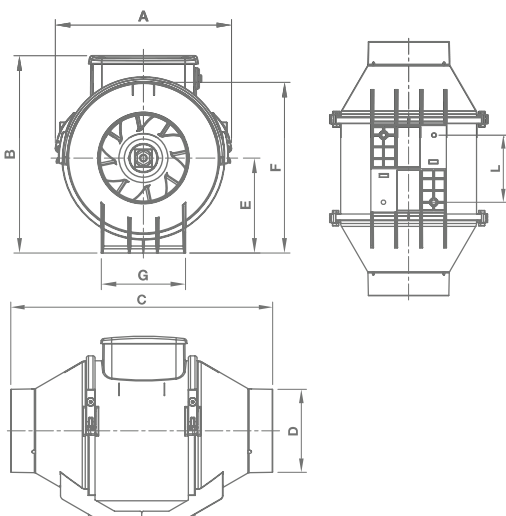


ErP data
Directive 2009/125/EC ErP (Energy related Products)

Models	Code	Measurement cat.	Efficiency cat.	Year of construction	Variable drive	BEP*						Spec. ratio <1.04
						η	N.	(kW) Pe	m ³ /h q	Pa p	RPM	
LINEO 315 ES	17039	C	STATIC	01-01-2013	YES	37.80	54.4	0.261	1061.2	296.95	2350	YES

* Best efficiency point.







DIMENSIONS



Models	A	B	C	Ø D	E	F	G	L
LINEO 100 Q ES	156	205	231	96	82	152	95	47.5
LINEO 100 ES	188.5	240	303	96	101.5	189	90	80
LINEO 125 ES	188.5	240	258	122	101.5	189	90	80
LINEO 150 ES	214.5	265	294	146	112.5	212	110	80
LINEO 160 ES	214.5	265	272.5	156	112.5	212	110	80
LINEO 200 ES	234.5	290	300	196	125.5	235	140	100
LINEO 250 ES	300	350	385	247	152.5	292	176.5	145
LINEO 315 ES	361.5	460	448	312	188.5	359	220.5	182

Dimensions (mm)

PRODUCT ACCESSORIES

	Description	Code	Product
	C HCS Environmental sensor for humidity	12994	All products
	C PIR Passive infrared sensor	12998	
	C SMOKE Environmental sensor for air quality	12993	
	C TEMP Environmental sensor for temperature	12992	
	C TIMER Adjustable over-run timer	12999	
	DUO Speed controller	22914	

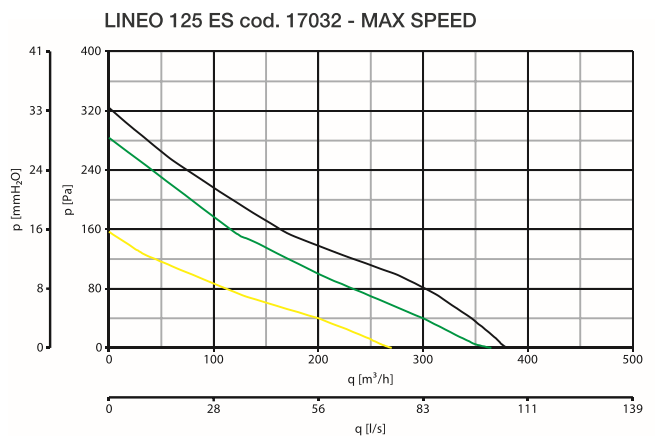
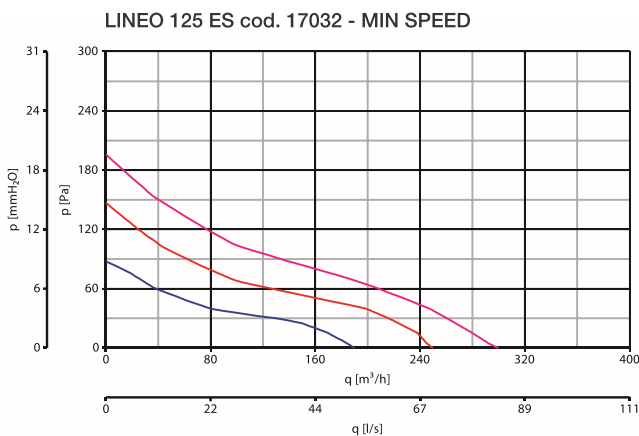
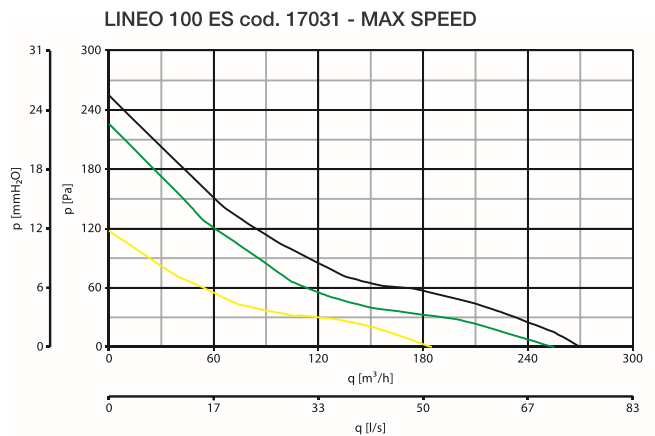
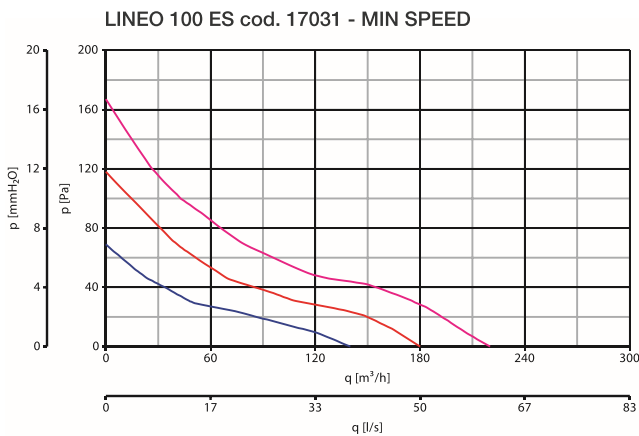
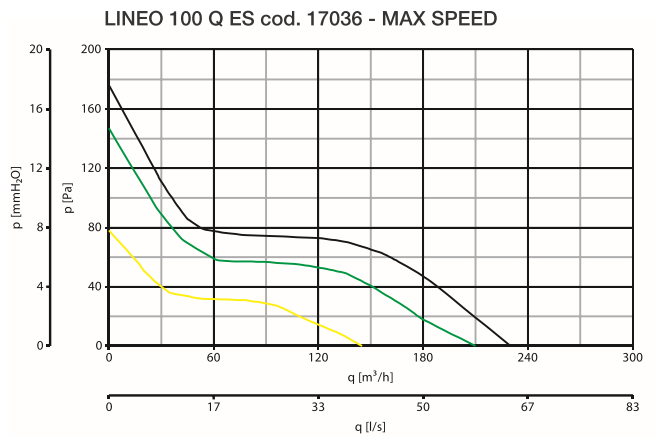
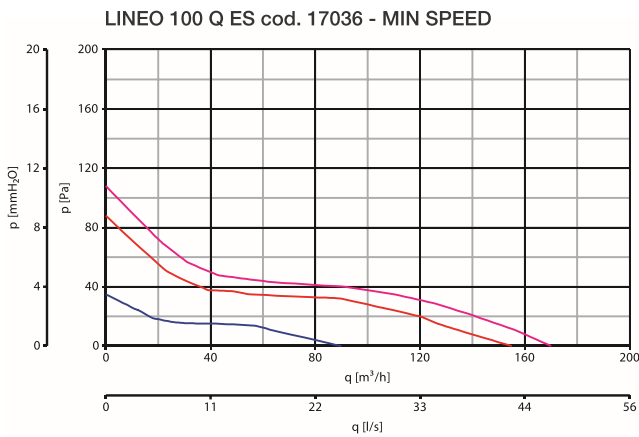
Description and size on page 52; System components on page 54



LINEO ES RANGE

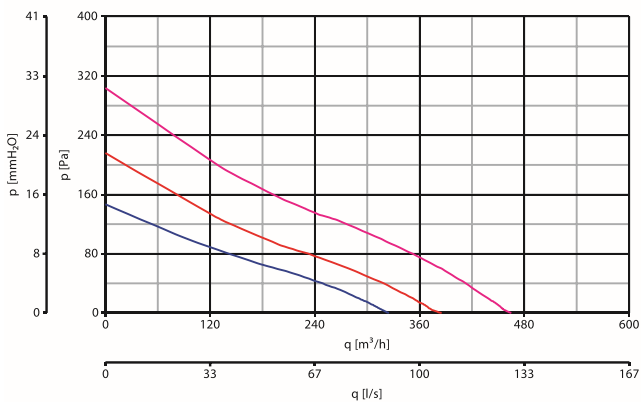
“Energy Saving” mixed flow extractor fans

PERFORMANCE CURVES

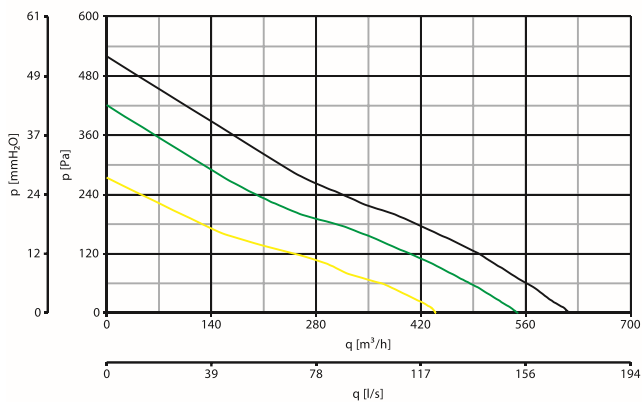


PERFORMANCE CURVES

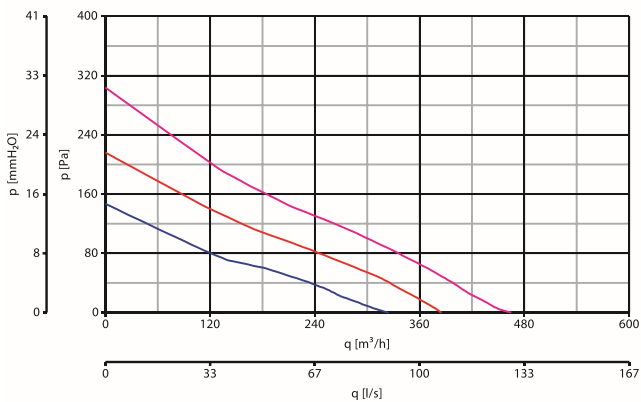
LINEO 150 ES cod. 17033 - MIN SPEED



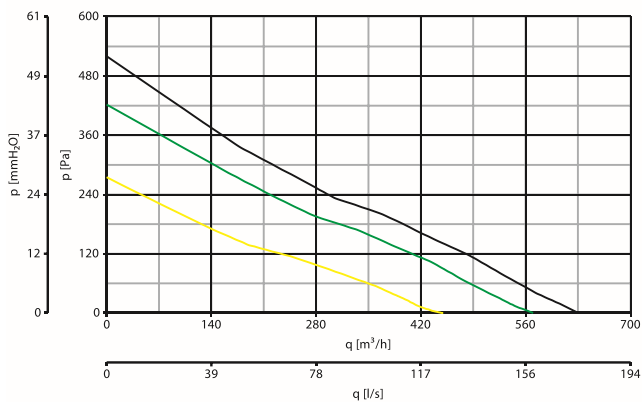
LINEO 150 ES cod. 17033 - MAX SPEED



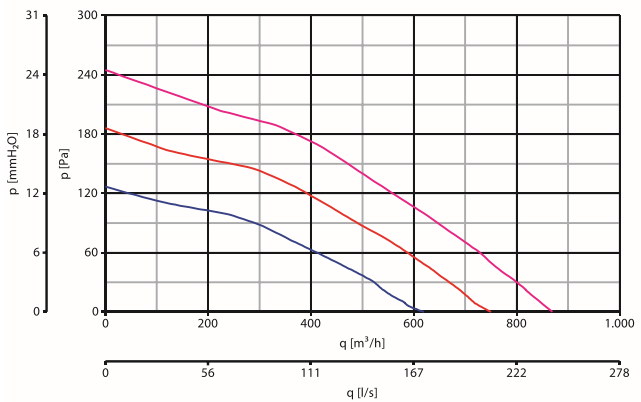
LINEO 160 ES cod. 17034 - MIN SPEED



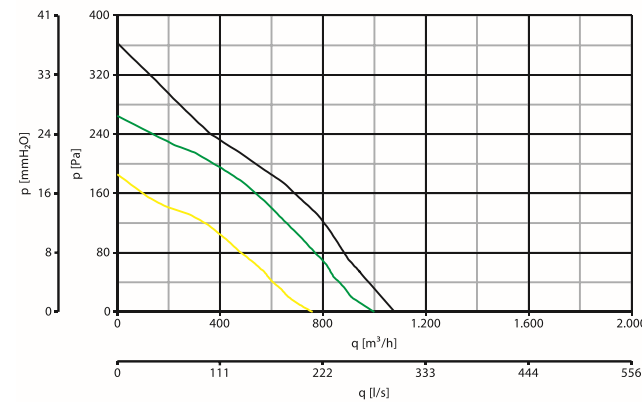
LINEO 160 ES cod. 17034 - MAX SPEED



LINEO 200 ES cod. 17037 - MIN SPEED



LINEO 200 ES cod. 17037 - MAX SPEED

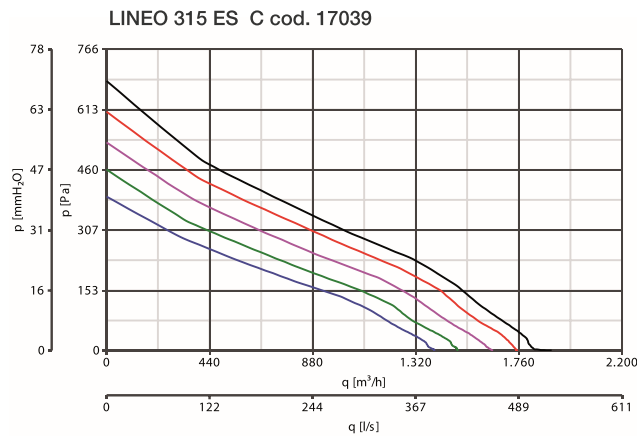
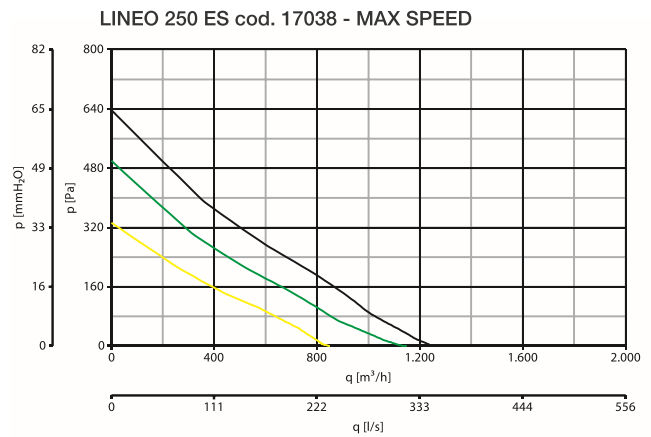
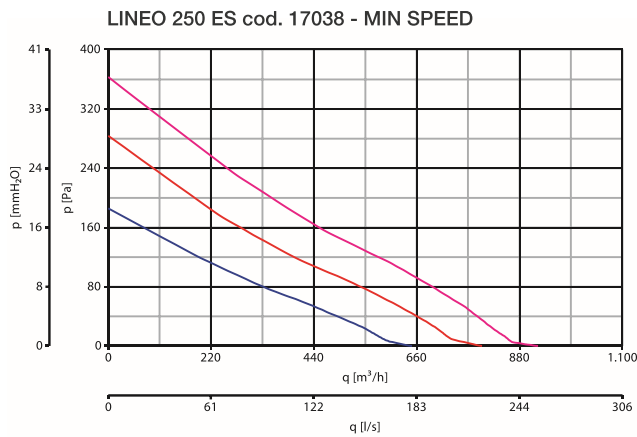




LINEO ES RANGE

“Energy Saving” mixed flow extractor fans

PERFORMANCE CURVES



- min speed**
- min. setting
 - nominal setting
 - max. setting
- max speed**
- min. setting
 - nominal setting
 - max. setting
- p = static pressure