

LINEO RANGE

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

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.



CONSTRUCTION RANGE



TIMER

Adjustable timer
from 3 to 20 minutes

Protection rating
IP44

Hermetic seal

Overload
protection

Compact overall
dimensions

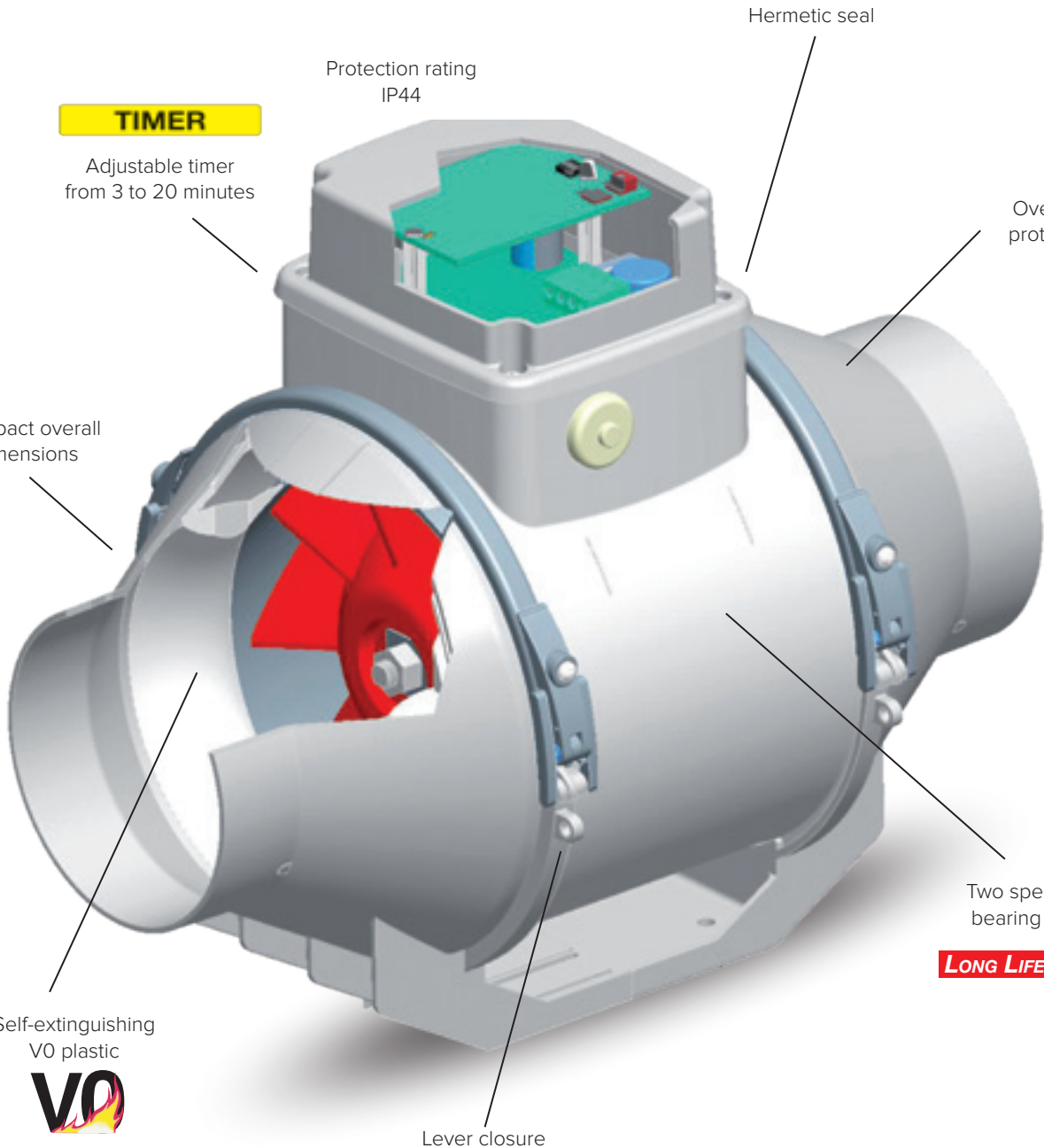
Two speeds ball
bearing motors

LONG LIFE 30.000 h

Self-extinguishing
V0 plastic



Lever closure



LINEO V0 RANGE

In-line mixed flow fans



2-speed mixed flow duct fans constructed in self-extinguishing plastic resin. Their small radial dimensions make them an effective, space-saving solution for low-visual impact ventilation of residential, commercial or industrial premises (kitchens, toilets, laboratories, bars, restaurants, laundries, shops, etc.).

VERSIONS

18 models with nominal diameter between 100 and 315 mm, also available in version with timer.

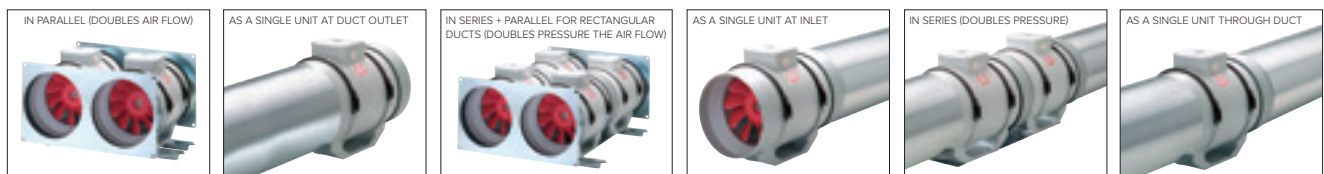
KEY FEATURES

- Compact overall dimensions, making installation easier even in cramped areas.
- Constructed in self-extinguishing plastic resin (V0) and resistant to aggressive chemical agents.
- Easy installation and maintenance without disconnecting the fan from the extraction and delivery ducts.
- Improved performance through multiple product coupling in series, in parallel or in series and parallel (optional connection kits).
- High protection rating from dust and water for safe use in industrial environments.
- 2-speed motors.
- Can be connected to environmental sensors (optional) to automatically adapt performance to actual requirements.

TECHNICAL FEATURES

- Motor-holder enclosures, end cones and mixed flow impellers constructed in self-extinguishing plastic resin (V0) with a mineral-based additive to ensure dimensional stability. The side cones incorporate the fan's anchoring brackets onto the target surface for safe, quick installation.
- Elastic devices for fixing the motor-holder to the end cones, built with quick coupling hinges with safety screws for easier cleaning and maintenance.
- Two-speed motors with thermal overload cut-out and shafts turning on ball bearings to guarantee long lasting continuous service (at least 30,000 hat the maximum plate temperature. Speed adjustment using Vortice accessory devices.
- Performance and safety certified by third party body (IMQ).
- Protection rating from dusts and water: IP44 (fan ducted in extraction and delivery).
- Insulation Class: II □.

INSTALLATION

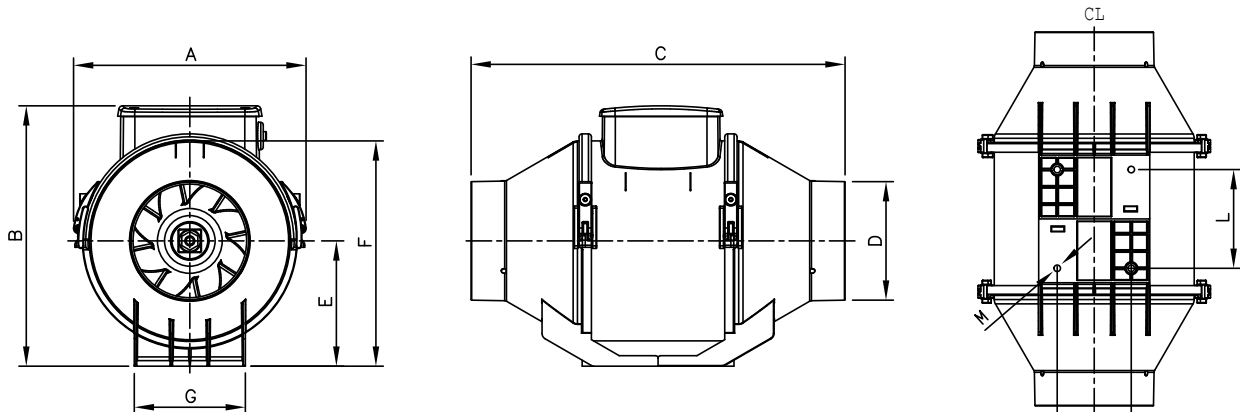


Vortice Lineo extractors can be mounted in a wide range of options - at the beginning, in the middle or at end of air duct and horizontally, vertically, against walls, ceilings, false ceilings on any flat surface. One of the main features is easy inspection and maintenance, in just a few seconds. Vortice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

TECHNICAL DATA

Models	Code		V~50HZ	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		LP DB(A) 3m min/max	Max °C	KG
	BASIC	TIMER					m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max			
LINEO 100 V0	17001	17021	220-240	20 23	0.09 0.11	1520 2030	180 255	50.0 70.8	13.0 16.5	127.5 161.9	30.7 39.4	60	1.80
LINEO 100 Q V0	17005	17025	220-240	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
LINEO 125 V0	17002	17022	220-240	25 33	0.11 0.15	1570 2140	250 365	69.4 101.4	13.0 17.0	127.5 166.8	33.9 43.0	60	1.80
LINEO 150 V0	17003	17023	220-240	40 58	0.18 0.26	1580 2100	385 550	106.9 152.8	21.0 27.0	206.0 264.9	41.4 50.5	60	2.40
LINEO 160 V0	17004	17024	220-240	40 58	0.18 0.26	1580 2100	385 550	106.9 152.8	21.0 27.0	206.0 264.9	41.7 50.8	60	2.40
LINEO 200 Q V0	17007	17028	220-240	45 75	0.22 0.37	1780 2740	700 950	194.4 263.9	13.0 29.0	127.5 284.5	39.6 49.0	60	3.70
LINEO 200 V0	17006	17026	220-240	98 145	0.43 0.64	1580 2140	790 1060	219.4 294.4	29 33	284.5 323.7	46.2 52.5	60	4.3
LINEO 250 Q V0	17027	17029	220-240	85 110	0.40 0.50	1850 2550	720 990	200.0 275.0	34.0 53.0	333.5 519.9	49.1 56.2	60	5.80
LINEO 250 V0	17009	-	220-240	110 180	0.48 0.78	1900 2550	990 1350	275 375	36 53	353.5 519.9	51.4 59.1	60	5.80
LINEO 315 V0	17010	-	220-240	200 300	0.90 1.32	1780 3450	1740 2300	483.3 638.9	43.5 75	426.7 735.8	50.6 63.4	60	11.30

DIMENSIONS



MODELS	ØA	B	C	ØD	E	F	G	H	H	L	M
LINEO 100 V0	188.5	211	303	96	101.5	189	90	60		80	6
LINEO 100 Q V0	156	174	231	96	82	152	95	51.5		47.5	6
LINEO 125 V0	188.5	211	258	122	101.5	189	90	60		80	6
LINEO 150 V0	214.5	234	294	146	112.5	212	110	60		80	6
LINEO 160 V0	214.5	234	272.5	156	112.5	212	110	60		80	6
LINEO 200 Q V0	234.5	260.5	300	196	125.5	235	140	94		100	6
LINEO 200 V0											
LINEO 250 Q V0	300	317	385	247	152.5	292	176.5	140		145	8
LINEO 250 Q V0											
LINEO 315 V0	361.5	392.5	448	312	188.5	359	220.5	178		182	8

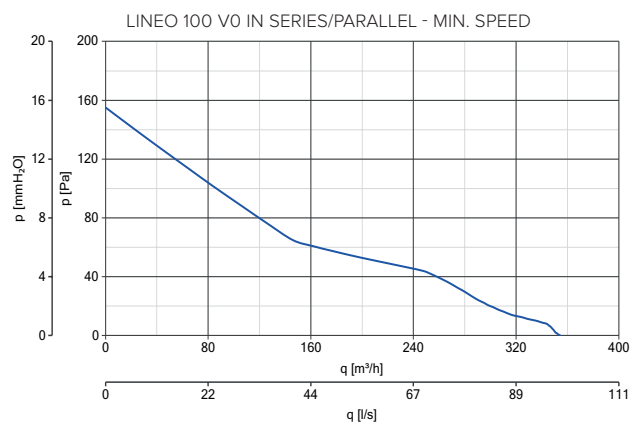
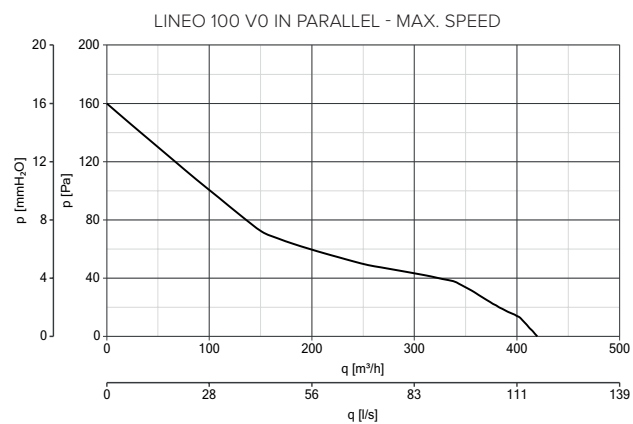
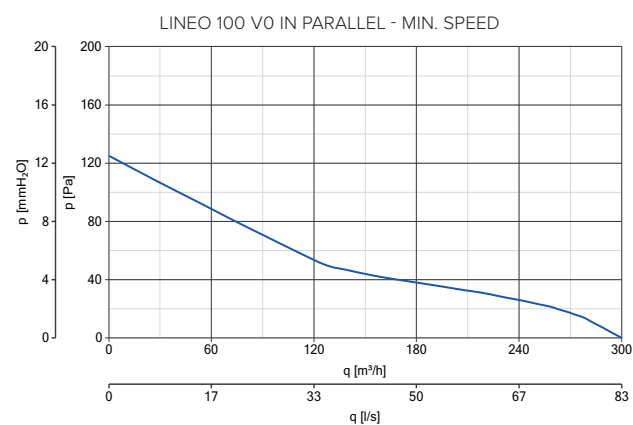
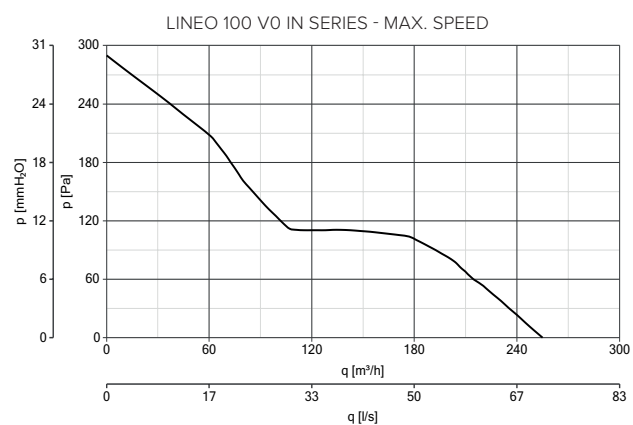
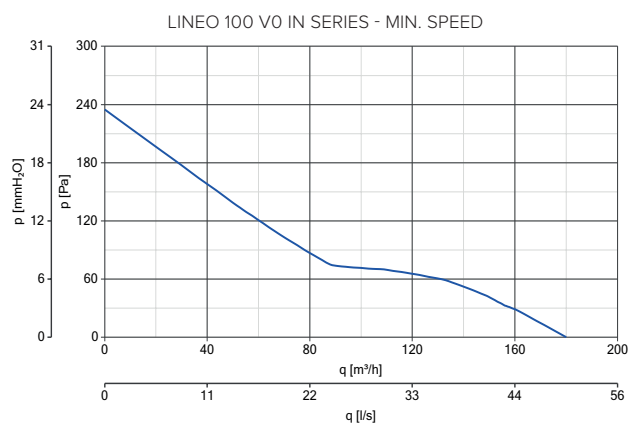
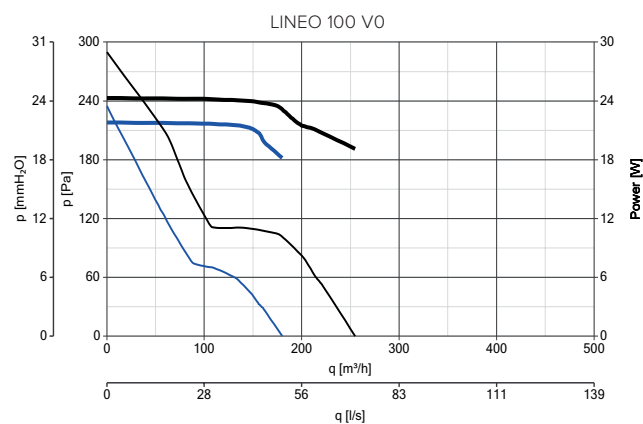
Dimensions (mm)



COMMERCIAL VENTILATION

LINEO V0 RANGE

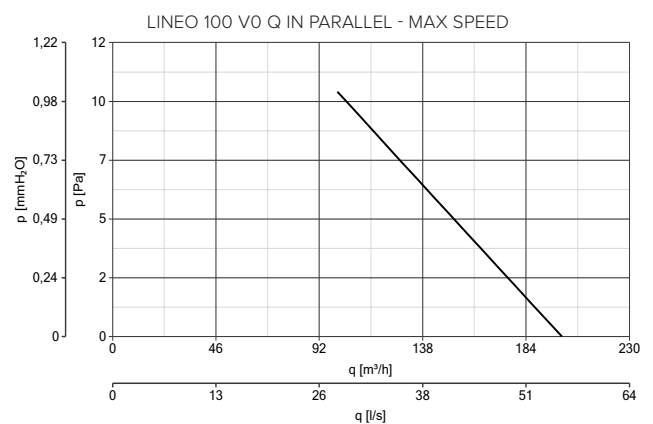
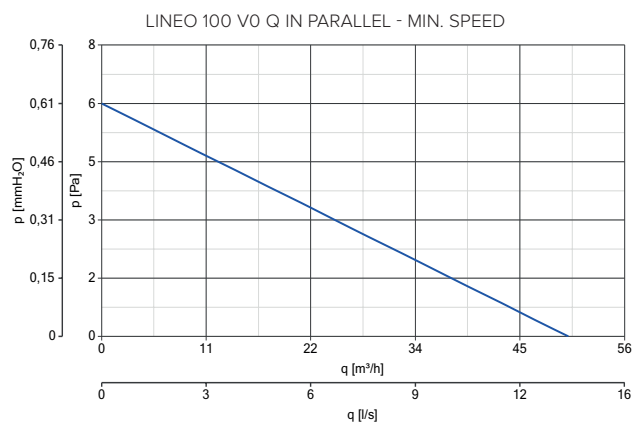
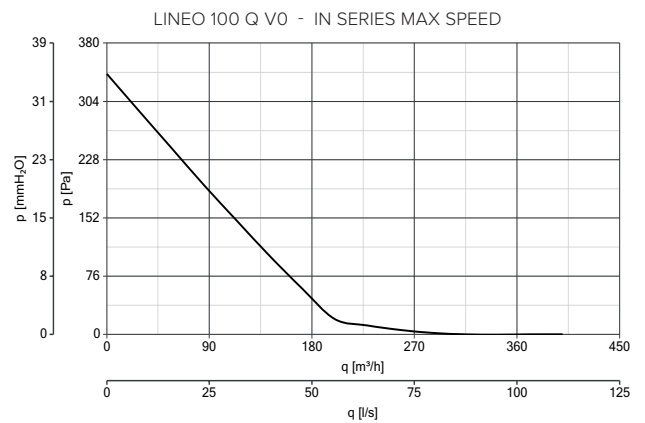
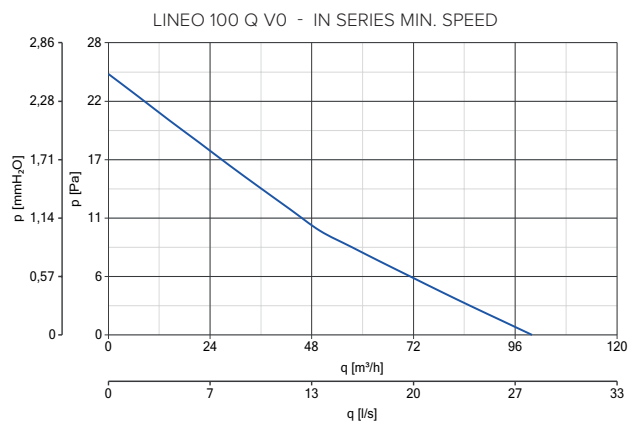
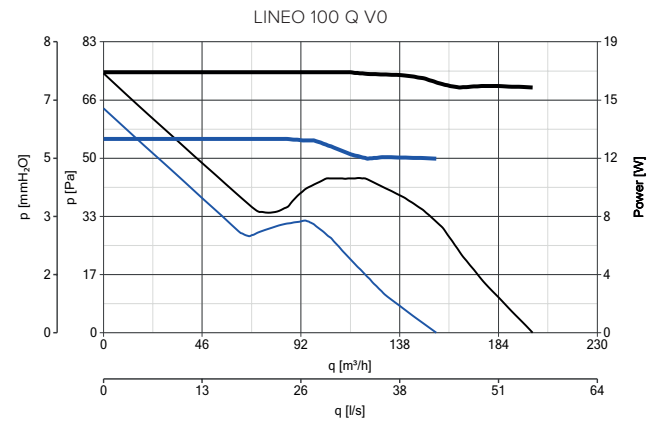
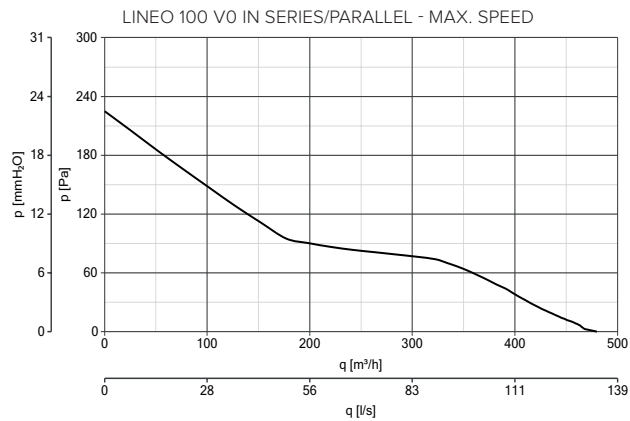
PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES
— max — max
— min — min



PERFORMANCES CURVES



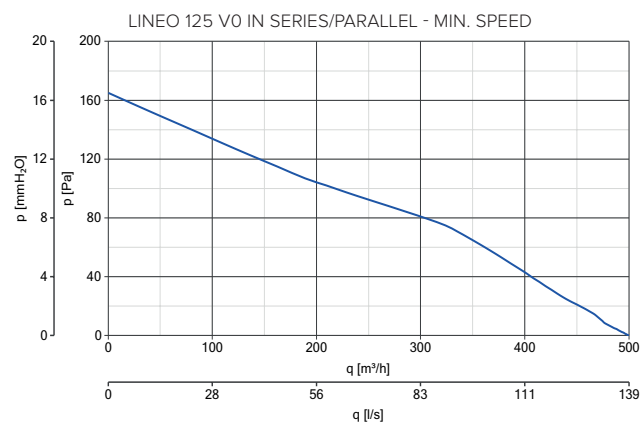
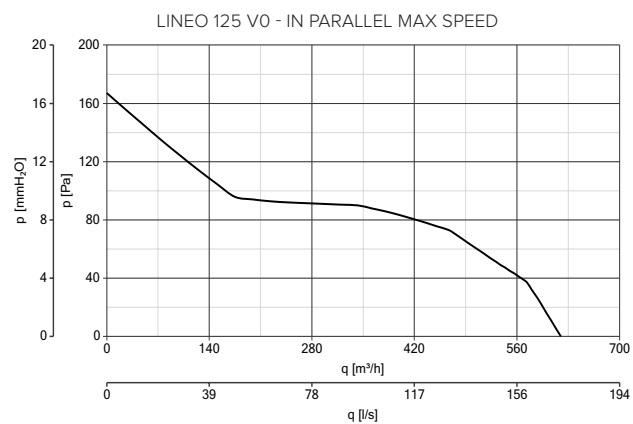
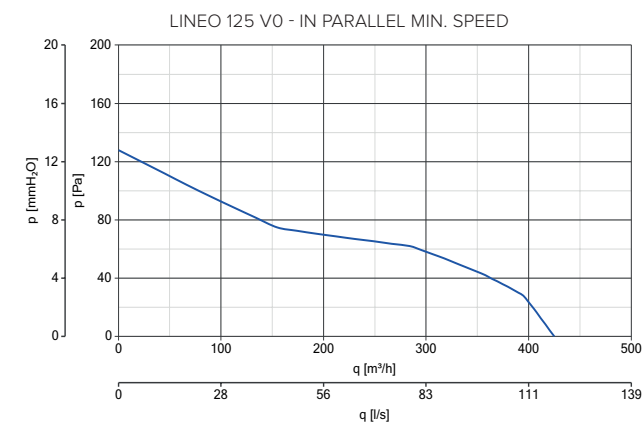
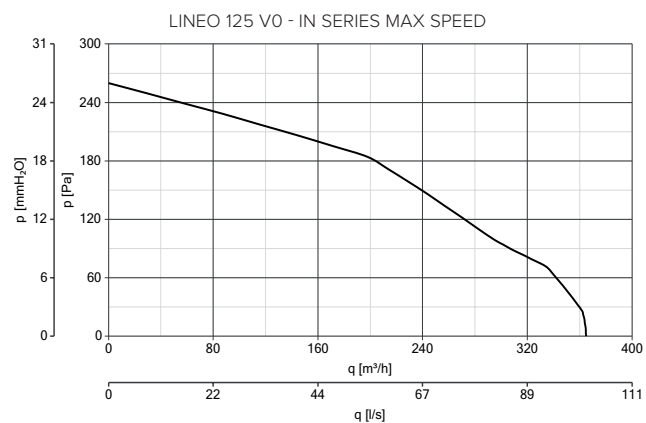
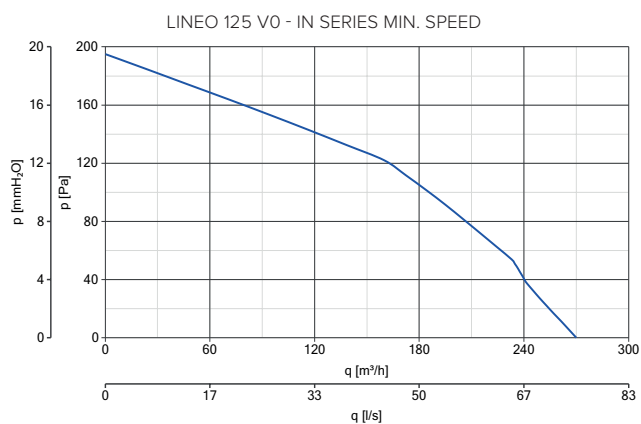
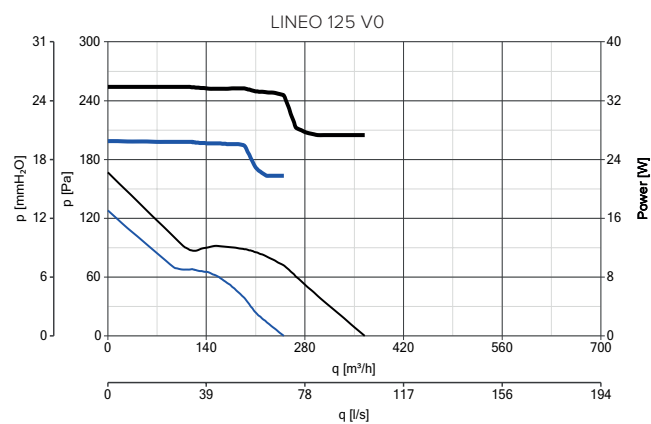
POWER CONSUMPTION PERFORMANCES CURVES

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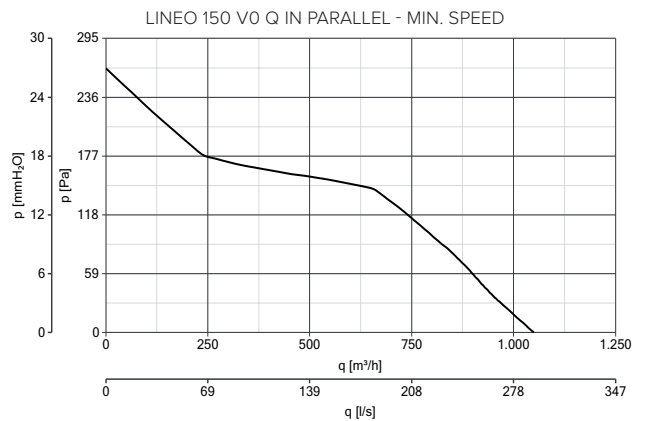
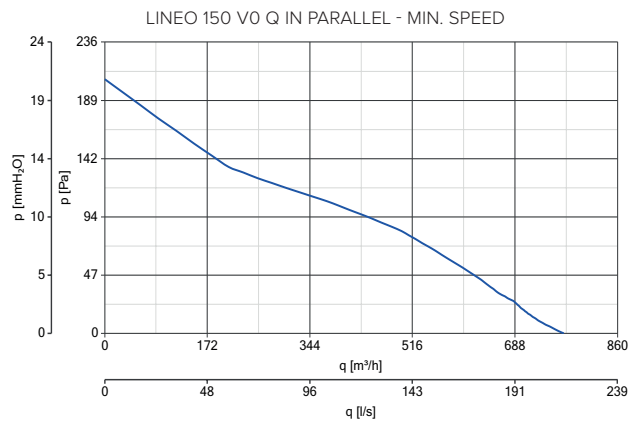
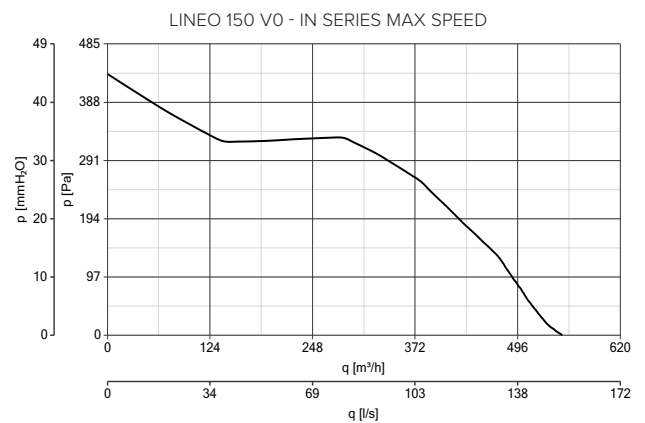
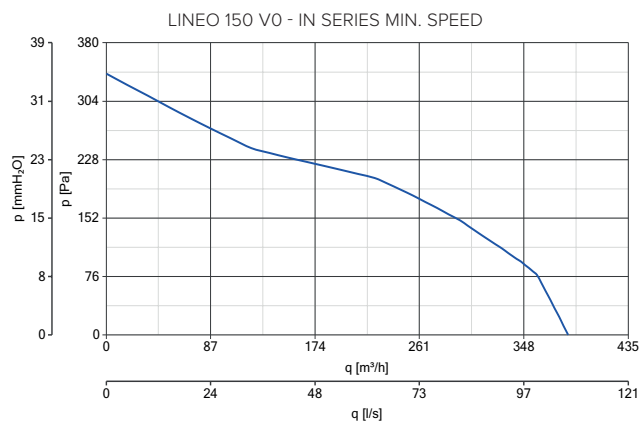
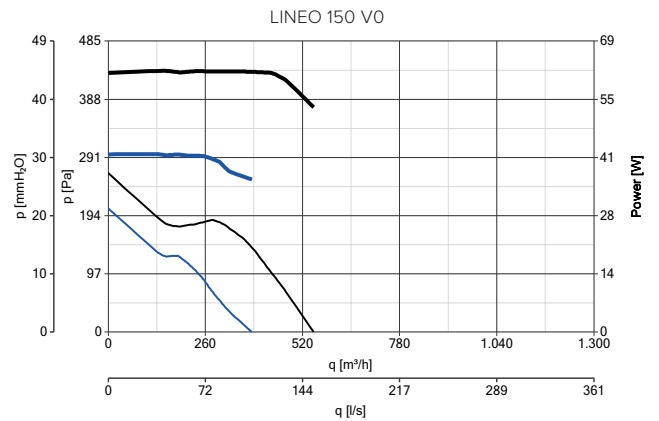
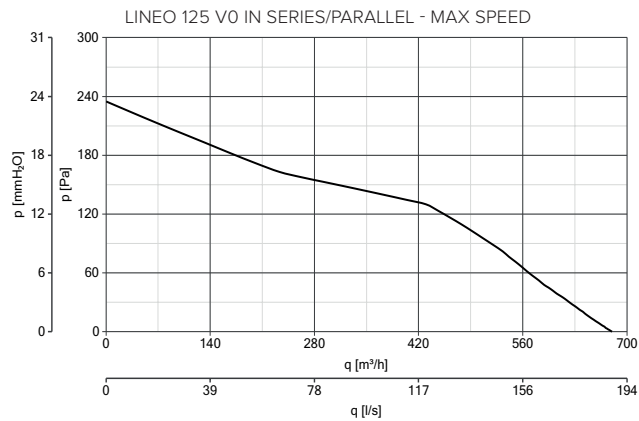
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PERFORMANCES CURVES



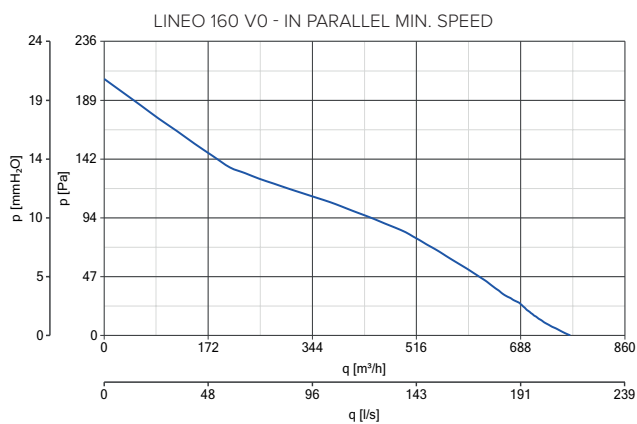
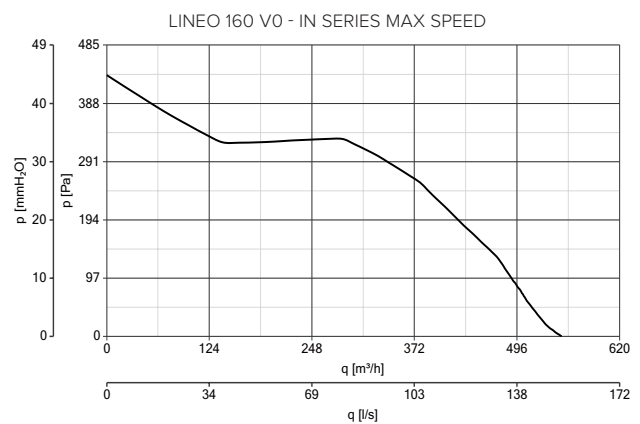
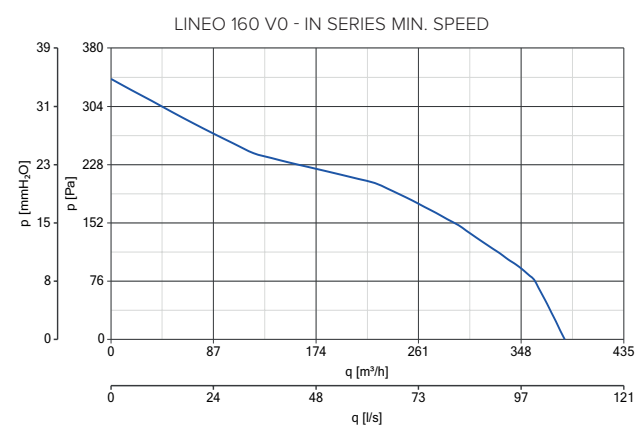
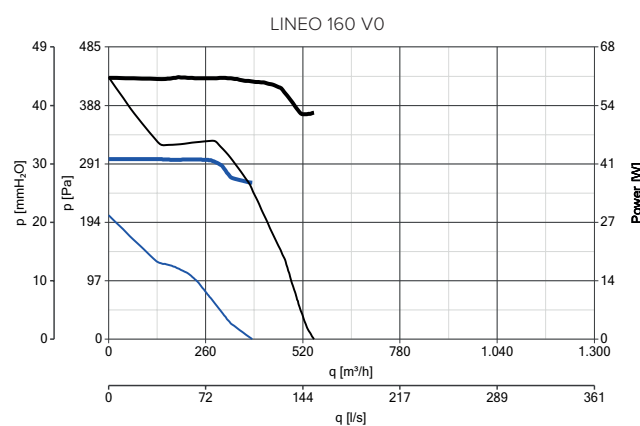
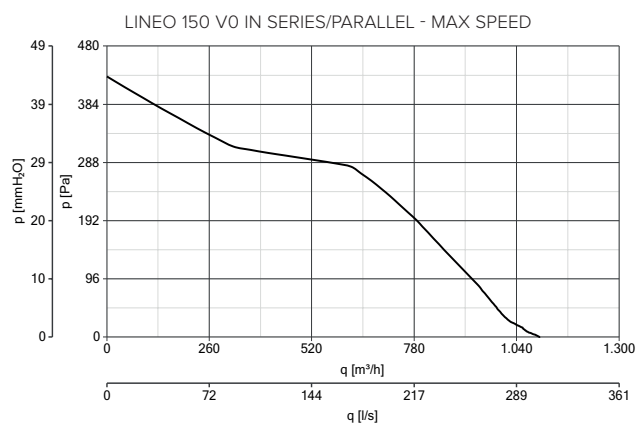
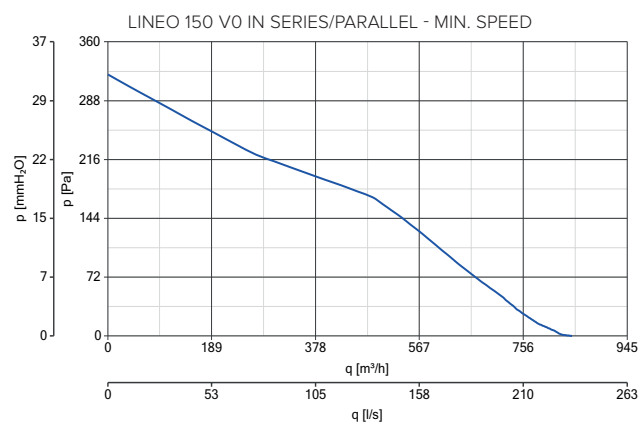
POWER CONSUMPTION PERFORMANCES CURVES

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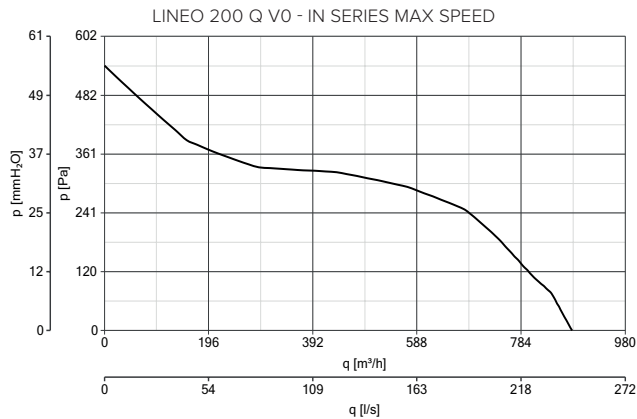
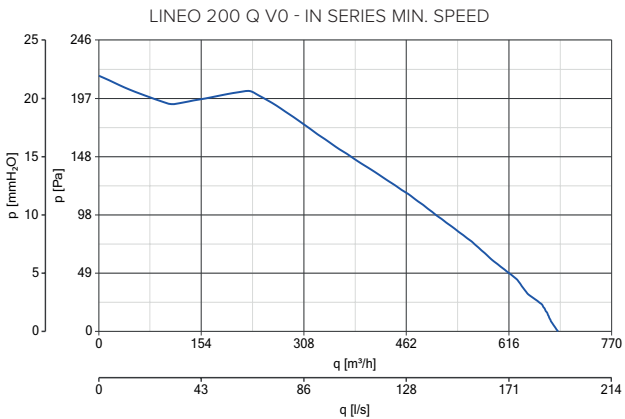
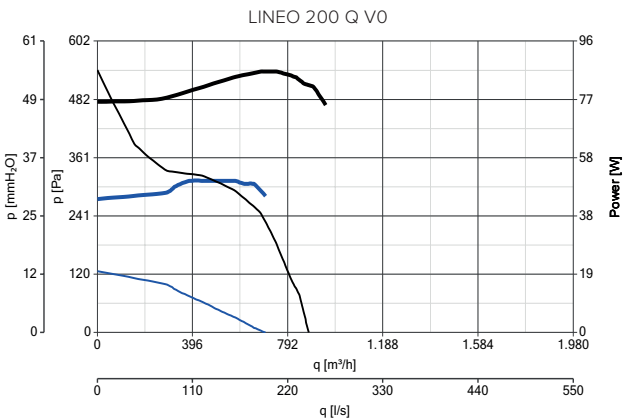
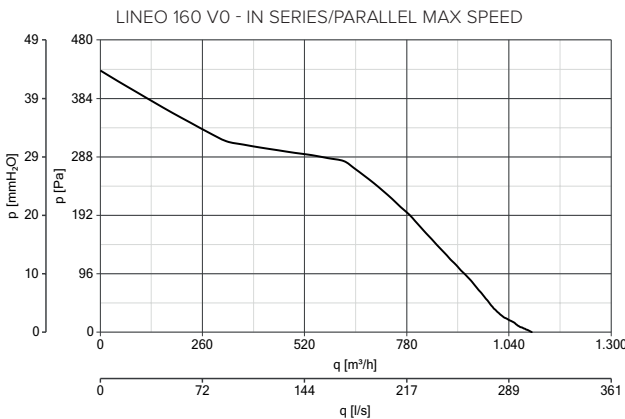
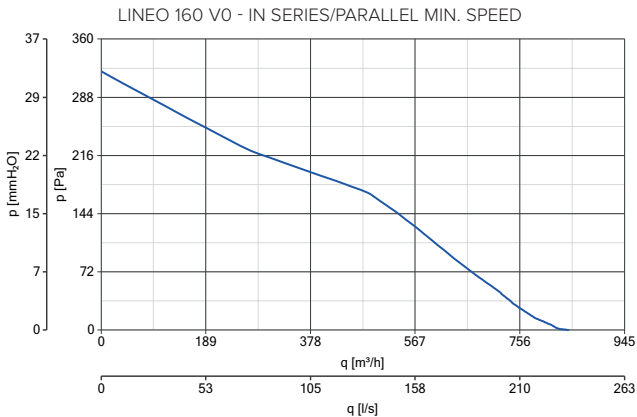
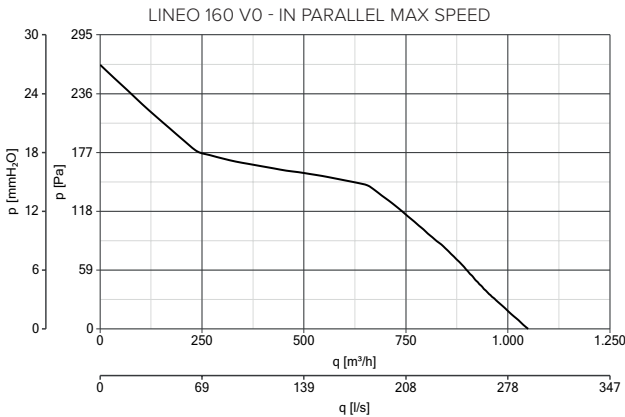
PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES
— max — max
— min — min



PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES

— max — max

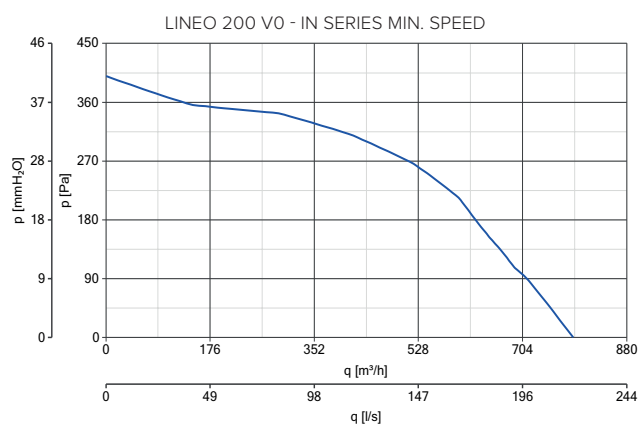
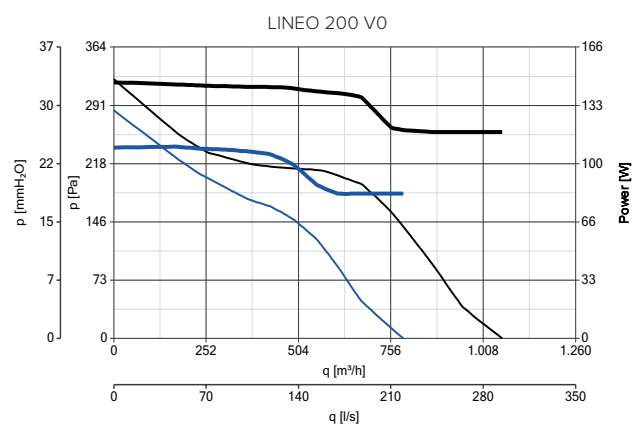
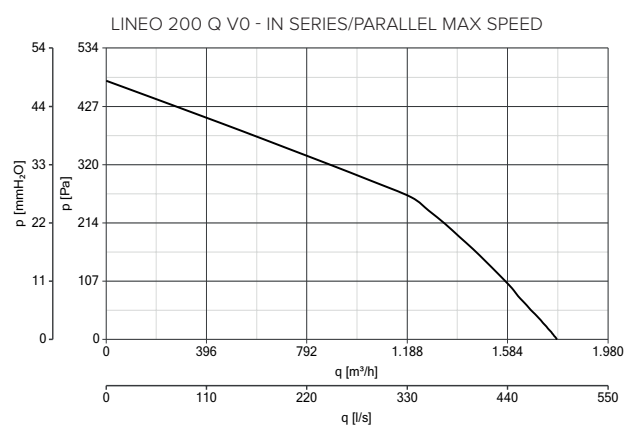
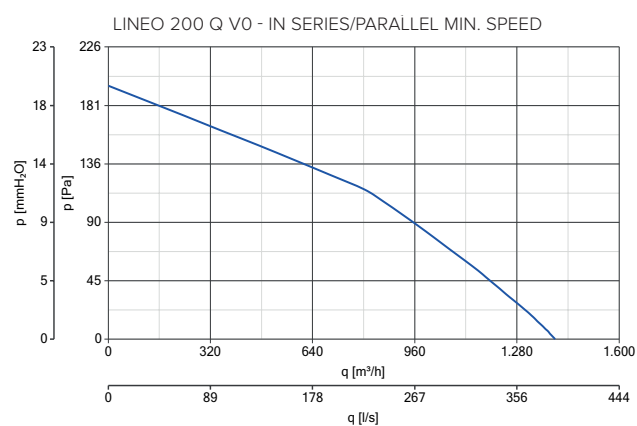
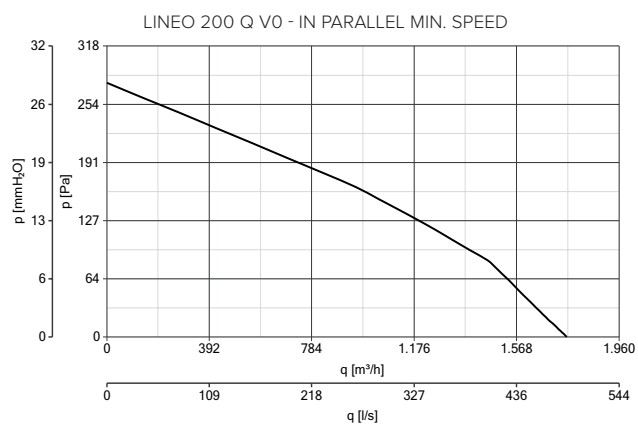
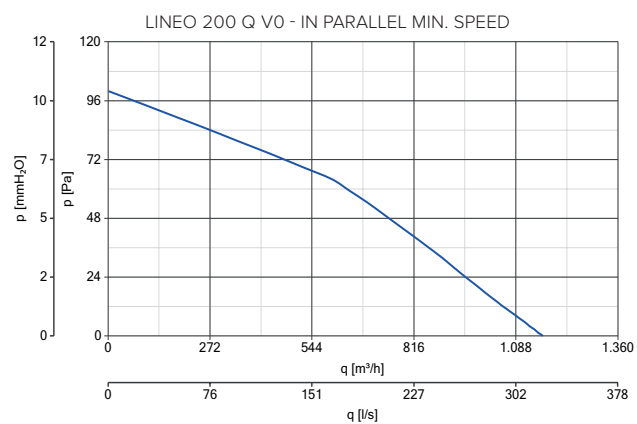
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COMMERCIAL VENTILATION

LINEO V0 RANGE

PERFORMANCES CURVES



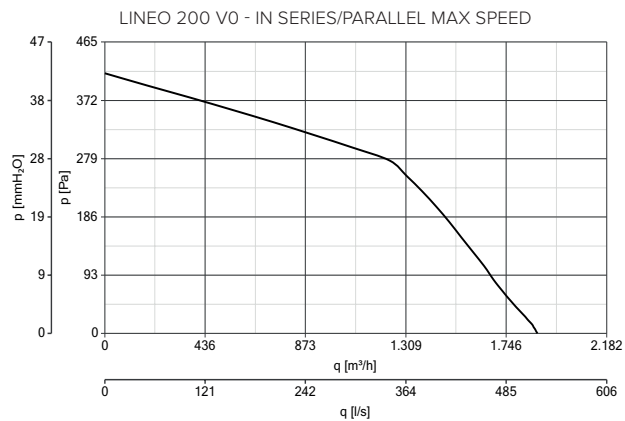
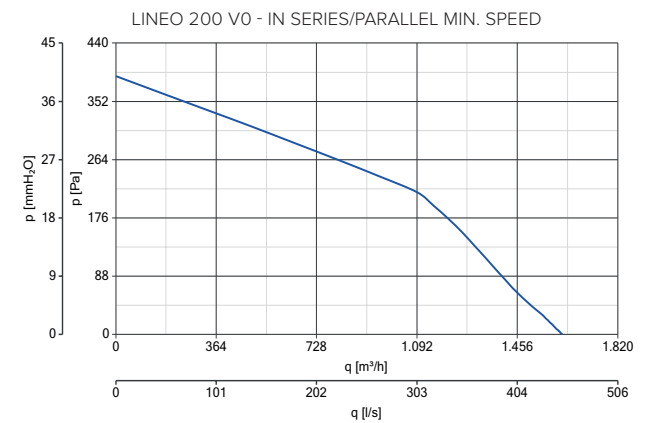
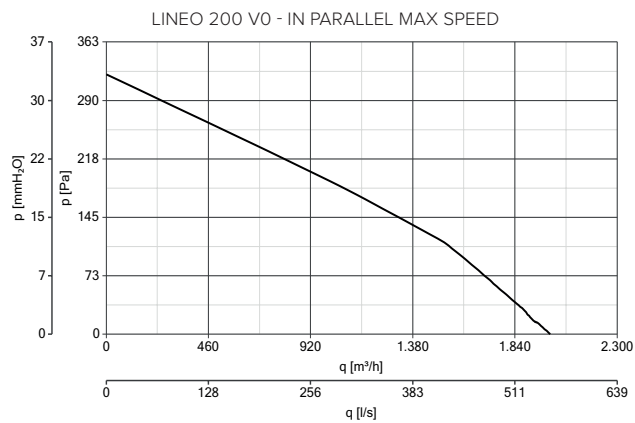
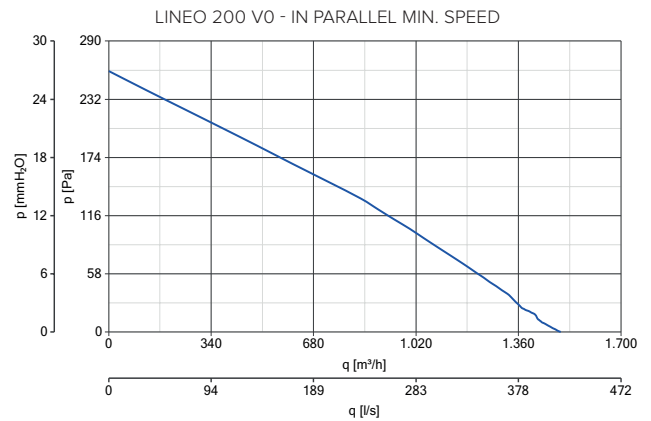
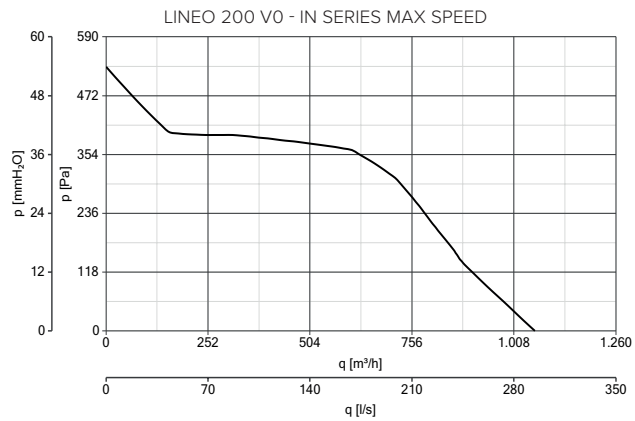
POWER CONSUMPTION PERFORMANCES CURVES

— max — max

— min — min



PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES

— max — max

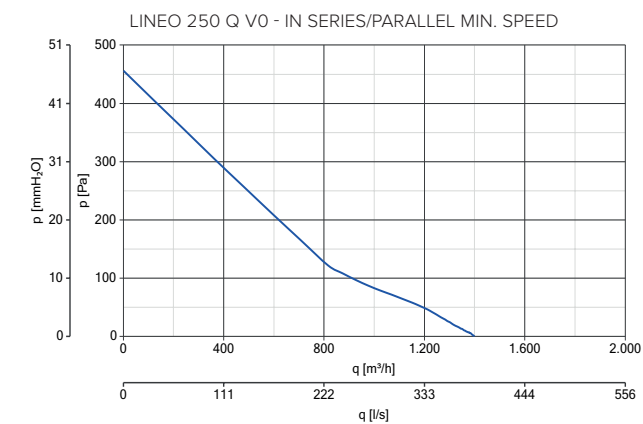
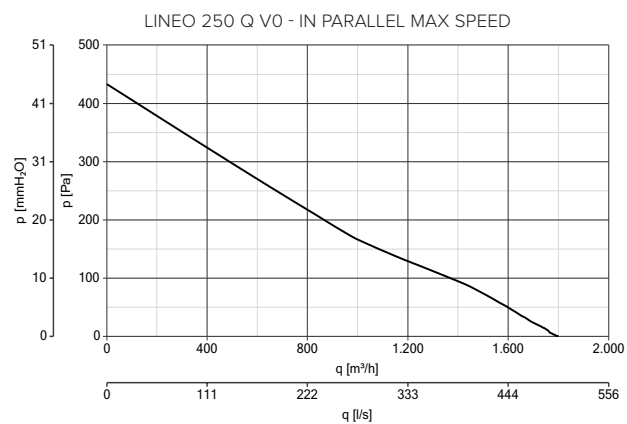
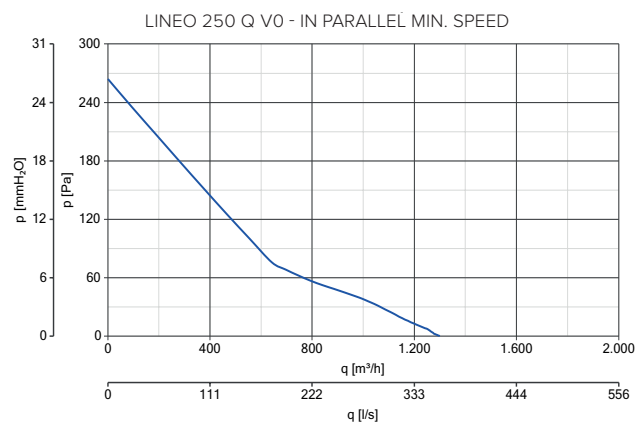
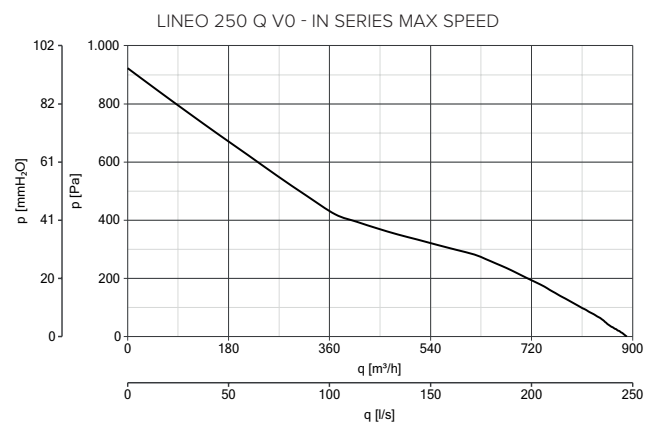
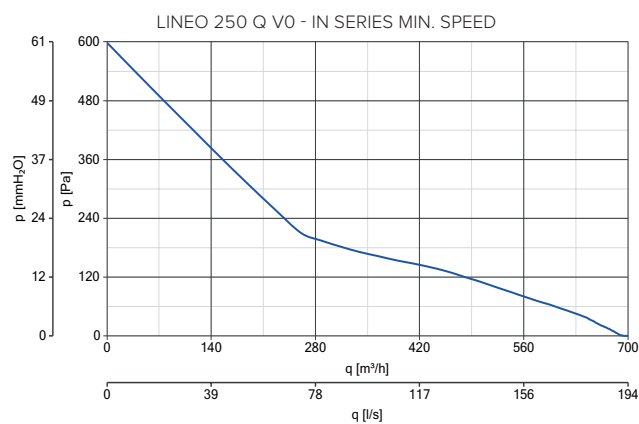
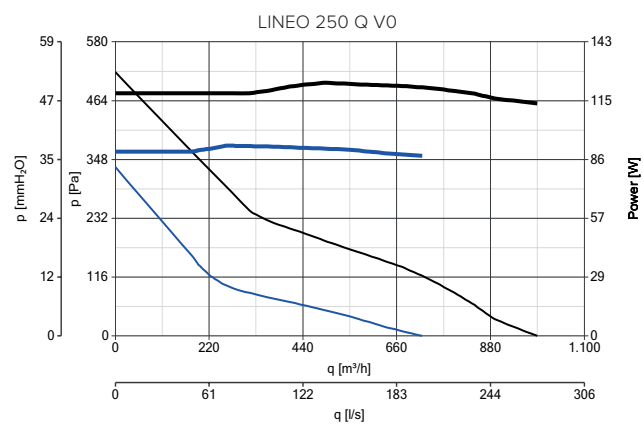
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COMMERCIAL VENTILATION

LINEO V0 RANGE

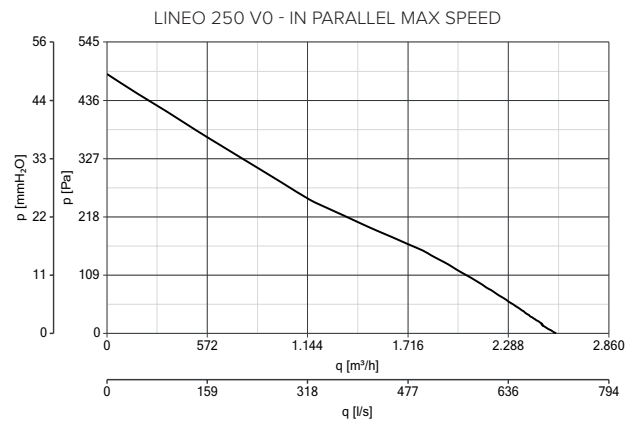
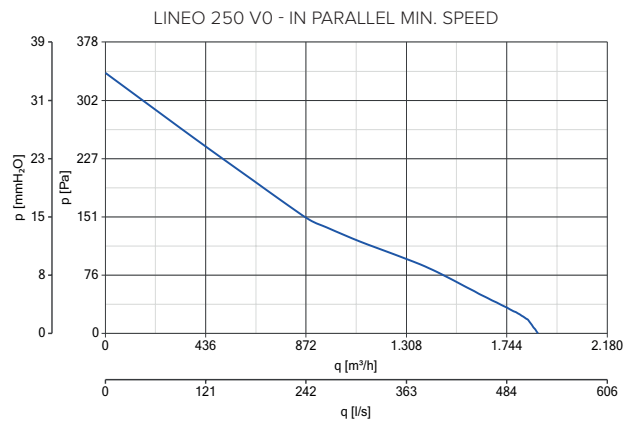
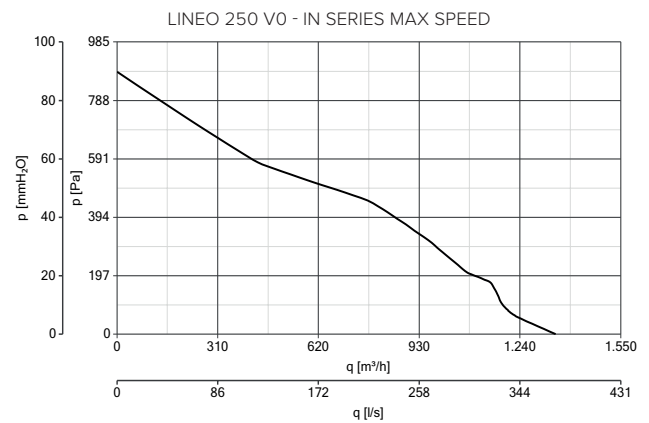
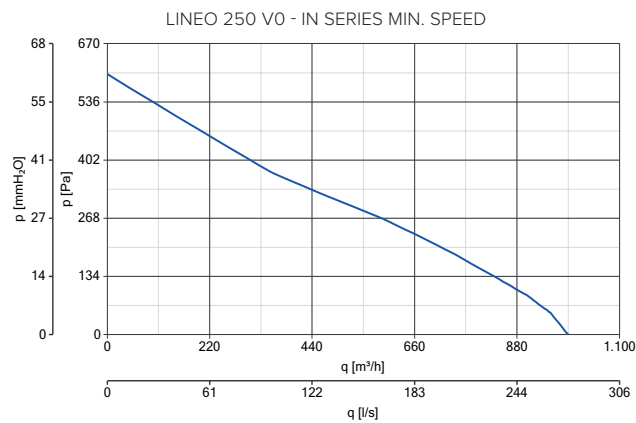
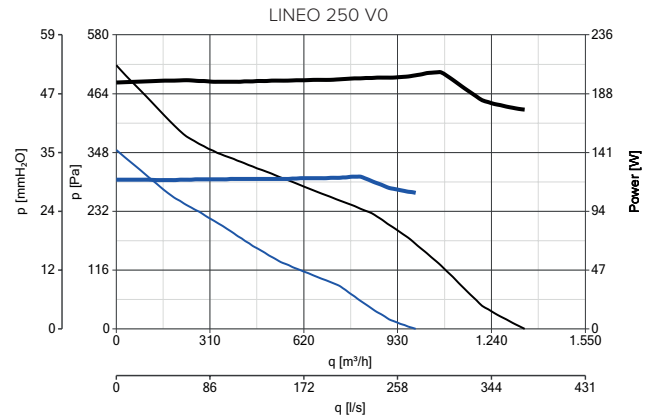
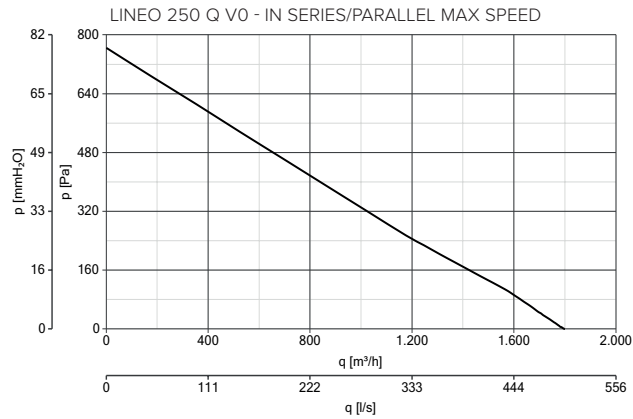
PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES
— max — max
— min — min



PERFORMANCES CURVES



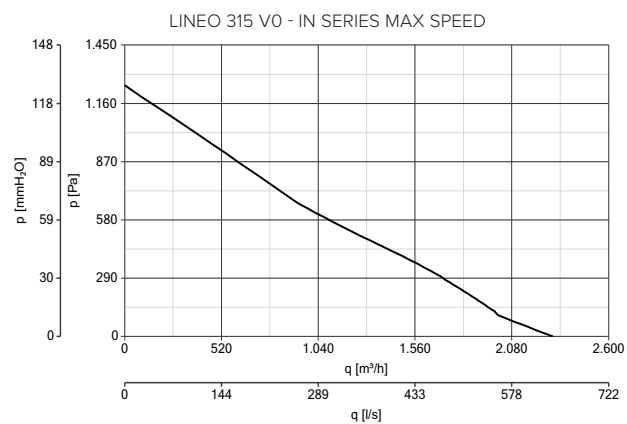
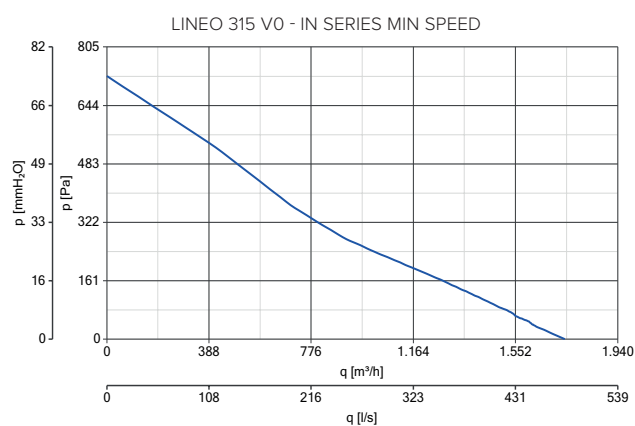
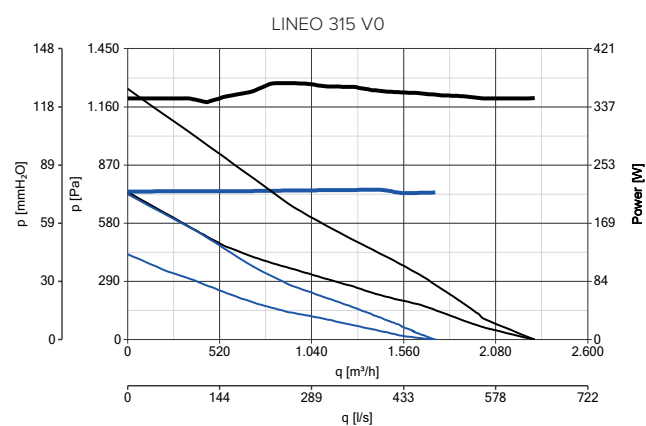
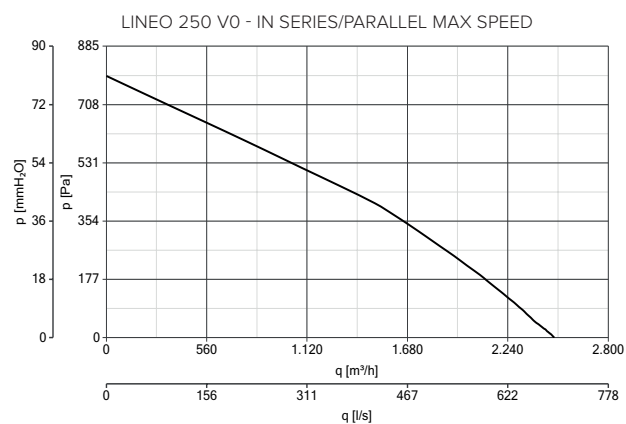
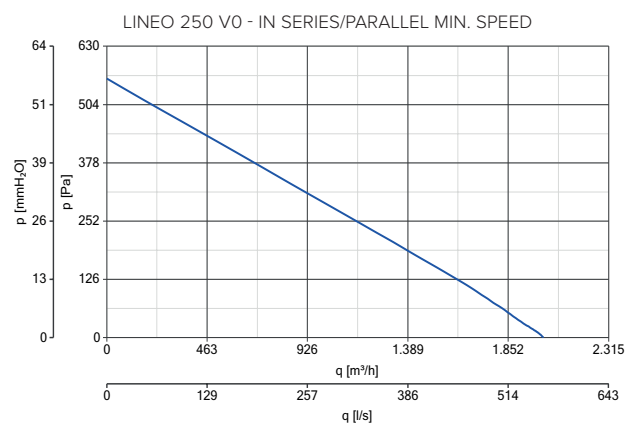
POWER CONSUMPTION PERFORMANCES CURVES

— max — max

— min — min



PERFORMANCES CURVES



POWER CONSUMPTION PERFORMANCES CURVES

— max — max

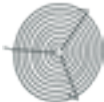
— min — min



CONTROLLERS

MODELS	DESCRIPTION	CODE	PRODUCT
	C5 0.5 - 5 SPEED CONTROLLER	12987	17001 - 17021 - 17005 - 17025 - 17002 17022 - 17003 - 17023 - 17004 - 17024
	C 1.5 - ELECTRONIC SPEED CONTROLLER 1.5 A	12966	17001 - 17021 - 17005 - 17025 - 17002 17022 - 17003 - 17023 - 17004 - 17024 17007 - 17028
	C 2.5 - ELECTRONIC SPEED CONTROLLER 2.5 A	12967	17027 - 17029
	KIT SCB5 - CONVERTS SCR5 TO A BUILT-IN VERSION	22483	12987
	KIT SCB - BUILT-IN CONTROLLER ADAPTOR	22481	12966 - 12967
	DUO - 2 SPEEDS CONTROLLER	22914	ALL PRODUCTS
	C TEMP - THERMO SWITCH	12992	ALL PRODUCTS
	C SMOKE - AIR QUALITY SENSOR	12993	ALL PRODUCTS
	C HCS - HUMIDISTAT	12994	ALL PRODUCTS
	C PIR - PASSIVE INFRARED SENSOR	12998	ALL PRODUCTS
	C TIMER - TIMER	12999	ALL PRODUCTS

ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT
	LINEO-C - SERIES INSTALLATION KIT	100	22584
		125	22585
		150	22586
		160	22587
		200	22588
		250	22589
		315	22592
	LINEO-SF - BRACKET FOR SERIES APPLICATION	500	22593
		700	22594
	LINEO-PF - PARALLEL INSTALLATION KIT	100	22577
		125	22578
		150	22579
		160	22581
		200	22582
		250	22583
	LINEO-G - PROTECTION GRILLE	100	22701
		125	22702
		150	22703
		160	22704
		200	22705
		250	22706
		315	22707
			17001 - 17021 - 17005 - 17025
			17002 - 17022
			17003 - 17023
			17004 - 17024
			17007 - 17028
			17027 - 17029
			17010