LINEO RANGE

Mixed flow in-line fans

Mixed flow in-line duct fans, installed in false ceilings or in attics. The ideal low-visual impact ventilation solution for residential, commercial or industrial premises (kitchens, toilets, laboratories, bars, restaurants, laundries, shops, etc.).

Versions

- 18 models, with nominal diameter between 100 and 315 mm.

Key features

- Complete range, 18 models with a nominal diameter between 100 mm and 315mm, with or without timer.
- Easy maintenance.
- Flexibility and ease of installation ideal for your specific performance-related requirements, consumption. needs and operating costs.
- Can be installed horizontally, vertically or sloping.
- Fully compliant with Reg. ErP 2018 N. 1253/2014.

Technical features

- Electric box produced in a material granting electrical and fire resistance.
- Inlet nozzle dimensioned to sustain the product in the wall and ceiling installation.
- Impeller designed to reach the ErP efficiency levels.
- Protective cover correcting the airflow after the impeller and the rectifier avoiding energy losses.
- Outlet nozzle dimensioned to sustain the product in the wall and ceiling installation.
- Enclosures made of fire resistant plastic resin, E2 class, according with ISO EN 11925-2: 2010, in areas close to motor and electrical components.
- 2 or 3 speed motors (depending on models), thermally protected, with shaft mounted on ball bearing supports, coupled with a mixed flow impeller.
- High water resistance: IPX5 (if installed in a duct).
- Speed adjustable through Vortice speed devices.
- Insulation Class: II ⧈.

TECHNICAL AND PERFORMANCE DATA - LINEO*

Models	Code	V ~ 50/60HZ	W min/max	A min/max	RPM min/max	Max Airflow m³/h min/max	Max Airflow l/s min/max	Max Pressure mmH_2O min/max	Max Pressure Pa min/max	Sound Pressure Lp dB (A)**	Protection grade***	Max °C	KG
LINEO 100	17144	220-240	20 23	0.09 0.11	1520 2030	180 255	50 70.8	13 16.5	127.5 161.9	30.7 39.4	IP44	60	1.8
LINEO 100 T	17185												
LINEO 100 Q	17143	220-240	12 15	0.05 0.9	1860 2450	155 200	43.1 55.6	6.5 7.5	63.8 73.6	29.4 37.9	IP44	60	1.8
LINEO 100 Q T	17184												
LINEO 125	17145	220-240	25 33	0.11 0.15	1570 2140	250 365	69.4 101.4	13 17	127.5 166.8	33.9 43	IP44	60	1.8
LINEO 125 T	17186												
LINEO 150	17146	220-240	40 58	0.18 0.26	1580 2100	385 550	106.9 152.8	21 27	206 264.9	41.4 50.5	IP44	60	2.5
LINEO 150 T	17187												
LINEO 160	17147	220-240	40 58	0.18 0.26	1580 2100	385 550	106.9 152.8	21 27	206 264.9	41.7 50.8	IP44	60	2.8
LINEO 160 T	17188												
LINEO 200 Q	17148	220-240	45 75	0.22 0.37	1780 2740	700 950	194.4 263.9	13 29	127.5 284.5	39.6 49.0	IP44	60	4.3
LINEO 200 Q T	17189												
LINEO 250 Q	17149	220-240	85 110	0.40 0.50	1850 2550	720 990	200 275	34 53	333.5 519.9	49.1 56.2	IP44	60	5.9
LINEO 250 Q T	17197												

* All data referred to supply at 50 Hz ** Calculated in free field conditions at 3 m distance *** Protection referred to ducted units

Models	Code	V ~ 50 HZ	W min/med/max	A min/med/max	RPM min/med/max	Max Airflow m³/h min/med/max	Max Airflow l/s min/med/max	Max Pressure mmH_2O min/med/max	Max Pressure Pa min/med/max	Protection grade***	Max °C	KG
LINEO 200	17180	220 - 240	80 95 110	0.34 0.42 0.49	1925 2450 2710	815 1025 1135	226.4 284.7 315.3	21.5 27.3 30	210.9 267.7 294.2	IPX5	50	4,9
LINEO 200 T	17177											
LINEO 250	17181	220 - 240	90 120 145	0.41 0.54 0.63	1500 2240 2730	725 1145 1440	201 318 400	13.9 29 37.2	136.5 284.4 364.8	IPX5	50	5,3
LINEO 315	17182	220 - 240	190 260 360	1.14 1.57 1.60	1770 2300 2690	1590 2115 2590	442 588 719	27.1 42.2 55.4	265.8 413.9 543.3	IPX5	50	9,5

SOUND LEVELS - LINEO 200 - 250 - 315

Models	Code	SOUND POWER Lw dB (A) INTAKE min	INTAKE med.	INTAKE max	SUPPLY min	SUPPLY med.	SUPPLY max	BREAKOUT min	BREAKOUT med.	BREAKOUT max
LINEO 200	17180	64.9	69.5	72.9	78.6	70.5	74.3	57.4	63.7	67.5
LINEO 200 T	17177									
LINEO 250	17181	63.9	71.7	75.5	64.7	72.3	74.9	56	61.3	64.7
LINEO 315	17182	70.9	76.0	79.7	72.2	77.9	82.5	63.4	68.2	72.1

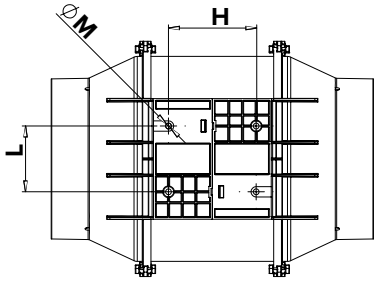
Models	Code	SOUND PRESSURE LP dB(A)* INTAKE min	INTAKE med.	INTAKE max	SUPPLY min	SUPPLY med.	SUPPLY max	BREAKOUT min	BREAKOUT med.	BREAKOUT max
LINEO 200	17180	47.4	52.0	55.4	51.9	52.9	56.8	36.9	43.1	46.9
LINEO 200 T	17177									
LINEO 250	17181	46.4	54.1	58.0	47.1	54.8	57.4	35.5	40.8	35.5
LINEO 315	17182	53.4	58.5	62.2	54.7	60.4	64.9	42.9	47.6	51.6

* Calculated in free field conditions at 3 m distance

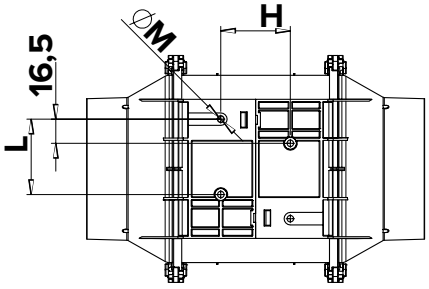
DIMENSIONS - LINEO

Models	Code	A	B	C	Ø D	E	F	G	H	L	Ø M	N
LINEO 100	17144	188.5	211	303	96	101.5	189	90	60	80	5.5	-
LINEO 100 T	17185	188.5	211	303	96	101.5	189	90	60	80	5.5	-
LINEO 100 Q	17143	156	174	231	96	82	152	95	51.5	47.5	4.5	-
LINEO 100 Q T	17184	156	174	231	96	82	152	95	51.5	47.5	5.5	-
LINEO 125	17145	188.5	211	258	122	101.5	189	90	60	80	5.5	-
LINEO 125 T	17186	188.5	211	258	122	101.5	189	90	60	80	5.5	-
LINEO 150	17146	214.5	234	294	146	112.5	212	110	60	80	5.5	-
LINEO 150 T	17187	214.5	234	294	146	112.5	212	110	60	80	5.5	-
LINEO 160	17147	214.5	234	272.5	156	112.5	212	110	60	80	5.5	-
LINEO 160 T	17147	214.5	234	272.5	156	112.5	212	110	60	80	5.5	-
LINEO 200	17180	270	373	396	194.5	195	330	190	120	155	5.5	-
LINEO 200 T	17177	270	373	396	194.5	195	330	190	120	155	5.5	280
LINEO 200 Q	17148	234.5	266	300	196	125.5	235	140	94	100	5.5	-
LINEO 200 Q T	17189	234.5	266	300	196	125.5	235	140	94	100	5.5	-
LINEO 250	17181	300	378	322	243	190	329	200	70	170	5.5	174.5
LINEO 250 Q	17149	300	322	385	247	152.5	292	176.5	140	145	5.5	-
LINEO 250 Q T	17189	300	322	385	247	152.5	292	176.5	140	145	5.5	174.5
LINEO 315	17182	373	446	420	307	224	398	309	110	255	8.5	259.5

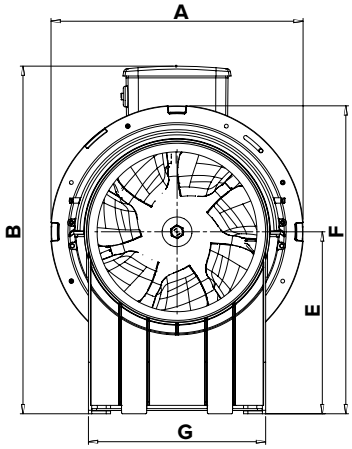
VERSION A
LINEO 100 - 150

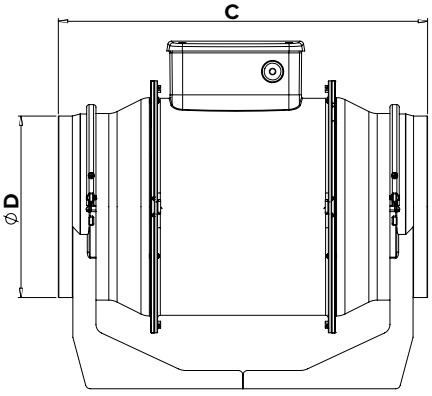


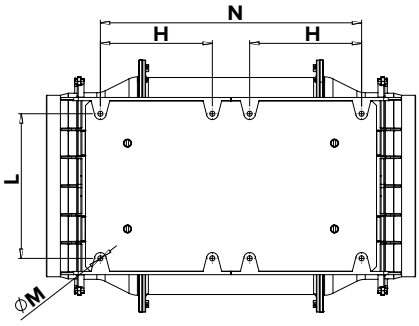
VERSION B
LINEO 100 Q
LINEO Q T



VERSION C
LINEO 200 - 315

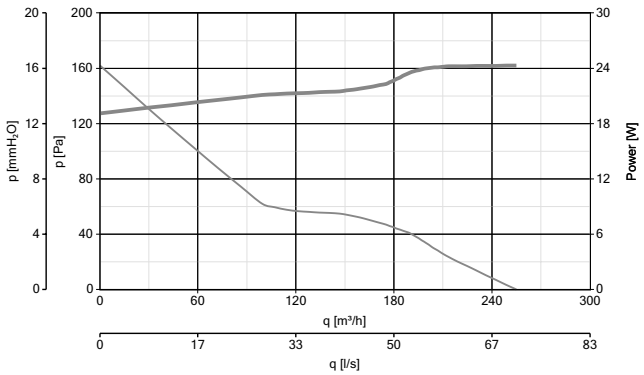




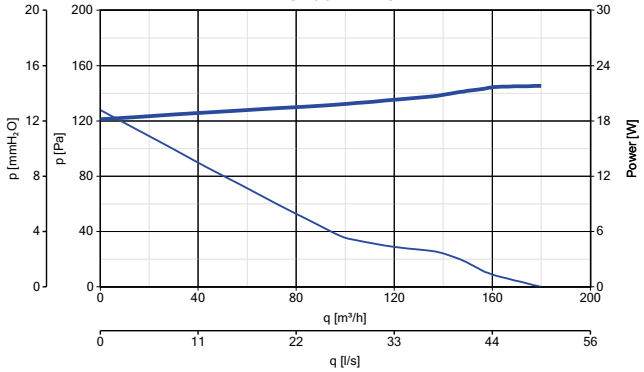


PERFORMANCE AND ABSORPTION CURVES - LINEO

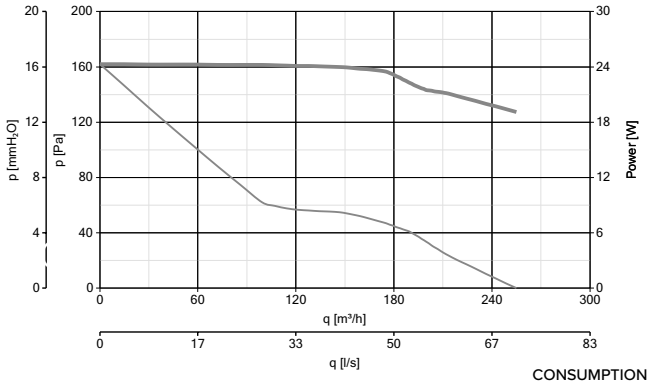
LINEO 100 - MAX SPEED



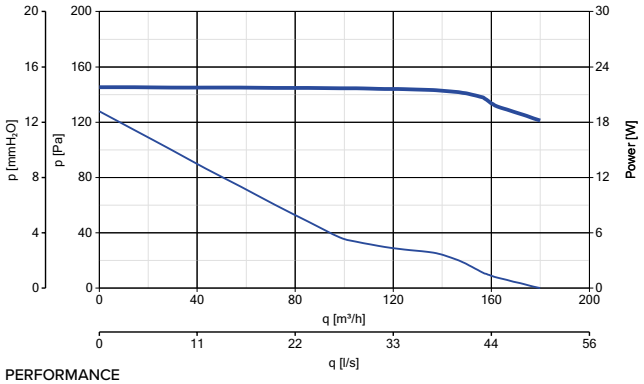
LINEO 100 - MIN SPEED



LINEO 100 T - MAX SPEED



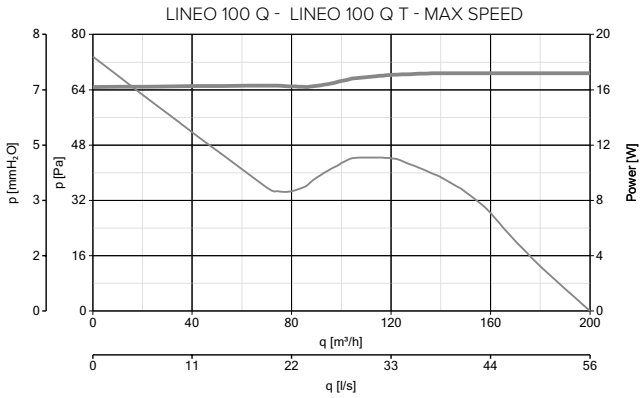
LINEO 100 T - MIN SPEED



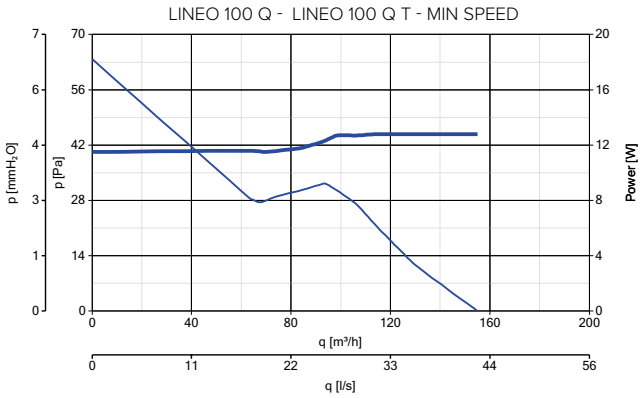
CONSUMPTION
max
min

PERFORMANCE
max
min

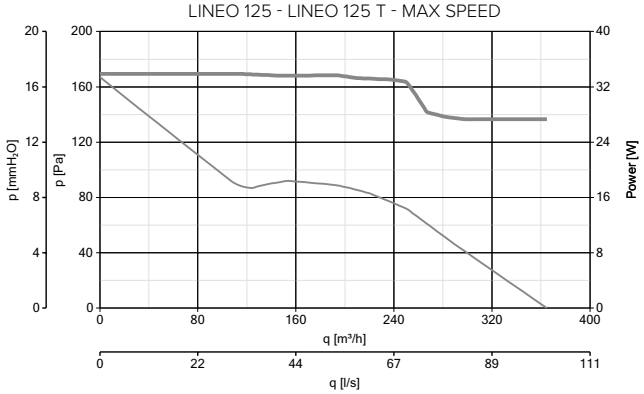
LINEO 100 Q - LINEO 100 Q T - MAX SPEED



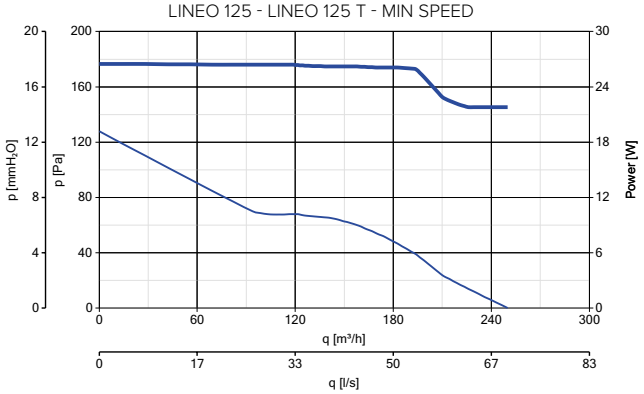
LINEO 100 Q - LINEO 100 Q T - MIN SPEED



LINEO 125 - LINEO 125 T - MAX SPEED

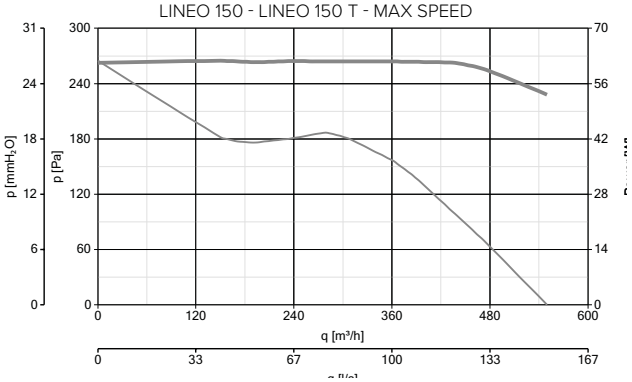


LINEO 125 - LINEO 125 T - MIN SPEED

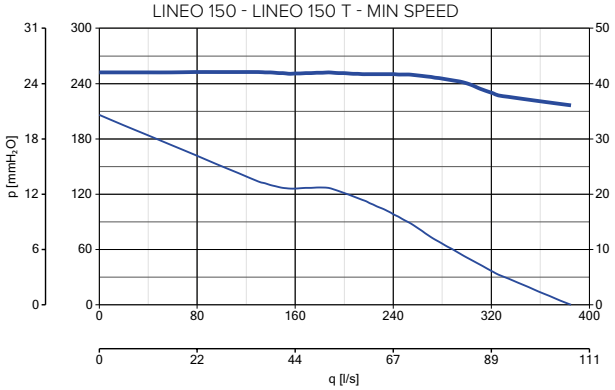


PERFORMANCE AND ABSORPTION CURVES - LINEO

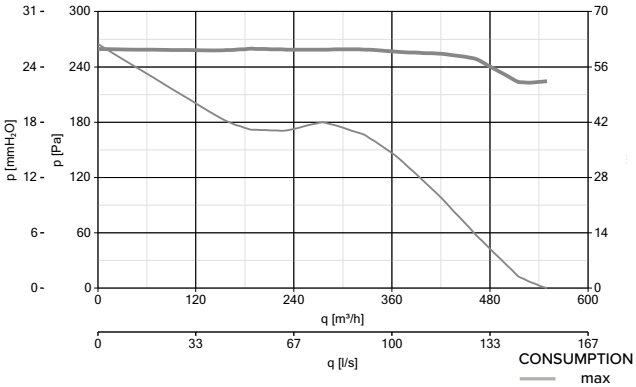
LINEO 150 - LINEO 150 T - MAX SPEED



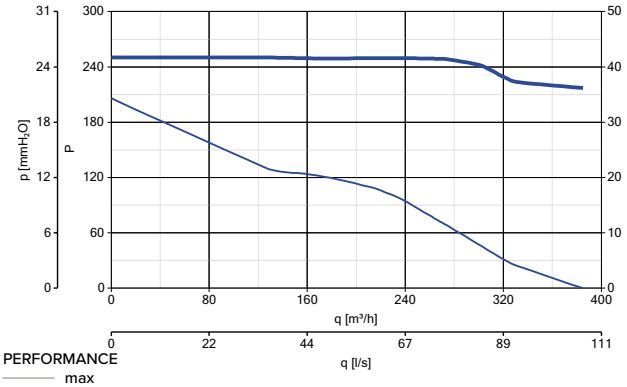
LINEO 150 - LINEO 150 T - MIN SPEED



LINEO 160 - LINEO 160 T - MAX SPEED



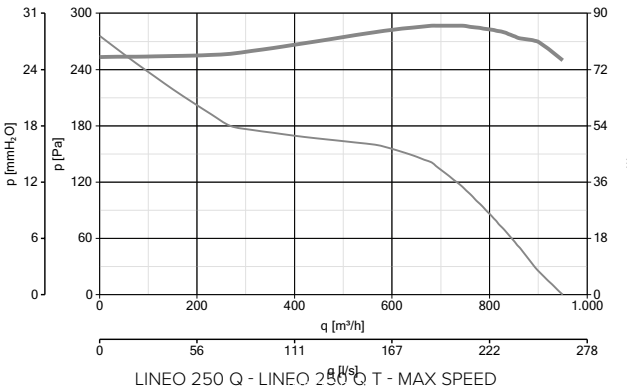
LINEO 160 - LINEO 160 T - MIN SPEED



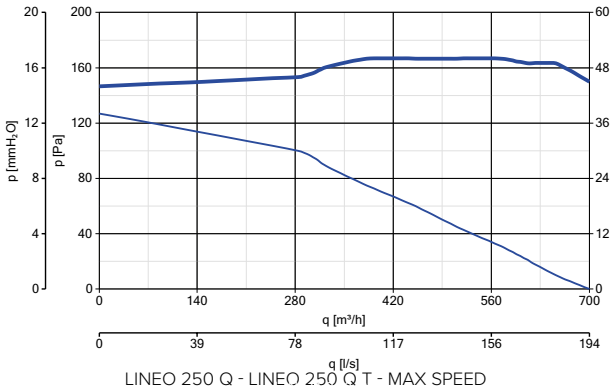
CONSUMPTION
max
min

PERFORMANCE
max
min

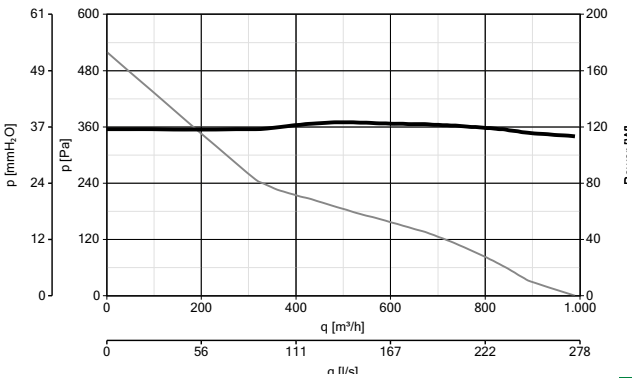
LINEO 200 Q - LINEO 200 Q T - MAX SPEED



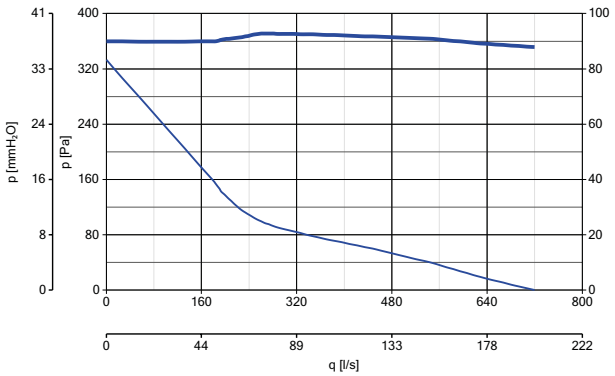
LINEO 200 Q - LINEO 200 Q T MIN SPEED



LINEO 250 Q - LINEO 250 Q T - MAX SPEED

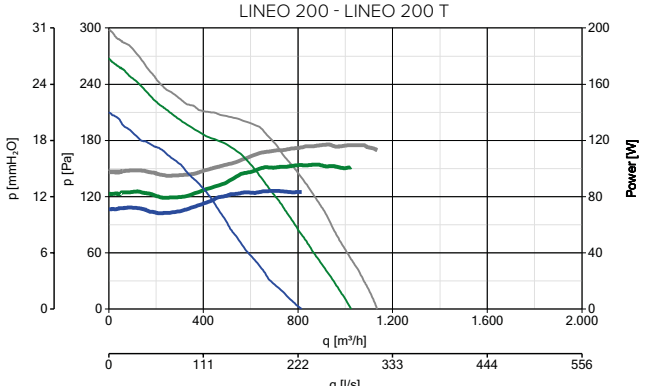


LINEO 250 Q - LINEO 250 Q T - MAX SPEED

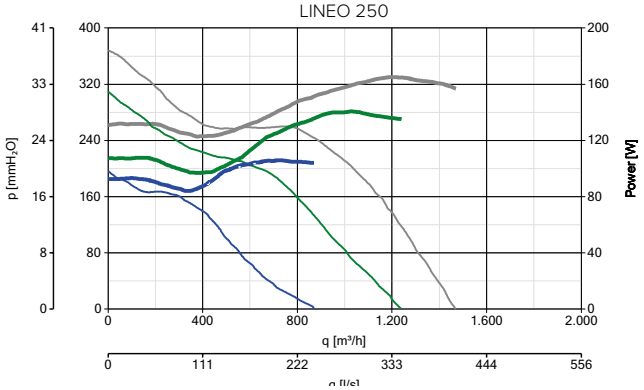


PERFORMANCE AND ABSORPTION CURVES - LINEO

LINEO 200 - LINEO 200 T



LINEO 250



LINEO 315