



NEW



## VORTICEL A-E RANGE

Compact plate axial fans

### PRODUCT SPECIFICATIONS

*Suitable for commercial and industrial applications environments as warehouses, hospitals, nightclubs, offices, theatres, factories, gyms, restaurants, etc.*

- **19 models** 9 single-phase and 10 three-phase.
- Phosphated sheet steel panels, painted with epoxy powder, in grey colour hammered finishing, resistant to atmospheric agents.
- Thermo-protected, class F, 1 speed, motors equipped with ball bearings.
- High aeraulic performance impellers with electro-galvanised. sheet steel blades, painted with polyester paint.
- Low noise levels.
- Motor holders blade acting an anti-bird guards, made of electro-welded steel rings black epoxy painted, easy to remove for maintenance.
- Wide range of continuous operation temperatures between -30 °C and +50 °C.
- Electric supply 230 V / 50 Hz for single phase models, 400 V / 50 Hz for three phase models.
- Protection motor: IP54.
- Insulation class: I.



LONG LIFE 30.000 h

Fans used in VORTCEL A-E range comply with ErP Lot. 6 Reg. N° 327/2011/UE.

### TECHNICAL DATA

	Models	Code	V ~ 50 Hz	W	A	Poles	RPM	Max Airflow		Max Pressure		Lw dB(A)	Lp dB(A)* 1 - 3 m	°C Max	Kg											
								m³/h	l/s	mmH <sub>2</sub> O	Pa															
SINGLE-PHASE	A-E 252 M	42207	230	95	0.41	2	2500	1365	379	18.0	177	73.5	62.5 - 53.0	50	2.1											
	A-E 254 M	42208		38	0.17											4	1400	764	212	6.0	61	59.0	48.0 - 38.5			
	A-E 304 M	42216		81	0.35													1563	434	13.0	130	63.5	52.5 - 43.0	3.0		
	A-E 354 M	42258		170	0.75													2960	822	10.2	100	70.0	59.0 - 49.5	6.2		
	A-E 404 M	42260		300	1.33													4310	1197	15.5	152	76.1	65.1 - 55.6	9.3		
	A-E 454 M	42307		230	1.13													5250	1458	12.9	127	75.3	64.3 - 54.8	15.0		
	A-E 504 M	42316		482	2.12													6639	1844	19.0	186	79.5	68.5 - 59.0	13.2		
	A-E 506 M	42337		290	1.27													6	1000	4805	1335	15.5	152	77.7	66.7 - 57.2	17.6
	A-E 566 M	42356		350	1.60															6715	1865	13.7	134			24.2
THREE-PHASE	A-E 254 T	42357	400	50	0.22	4	1400	785	218	13.5	134	59.5	48.5 - 39.0	50	2.5											
	A-E 304 T	42227		79												1696	471	13.0	129	66.5	55.5 - 46.0	3.4				
	A-E 354 T	42259		166												2980	828	11.7	115	69.2	58.2 - 48.7	6.2				
	A-E 404 T	42261		318												3832	1064	25.0	246	73.5	53.0 - 62.5	6.3				
	A-E 454 T	42308		370	0.73			6	1000	5187	1440	15.8	155		78.5	67.5 - 58.0	6.5									
	A-E 504 T	42327		485	1.12					1400	6966	1935	13.1		128	81.0	70.0 - 60.5	40	11.1							
	A-E 506 T	42346		250	0.79			6	1000	5040	1400	9.8	96		73.2	62.2 - 52.7	50	15.0								
	A-E 564 T	42336		925	1.71			4	1400	9255	2570	29.0	285		75.4	64.4 - 54.9	40	14.8								
	A-E 566 T	42366		480	1.06			6	1000	8050	2236	17.8	175		77.2	66.2 - 56.7	50	20.8								
	A-E 636 T	42347		522	1.10					9502	2639	15.7	154		78.5	67.5 - 58.0		15.8								

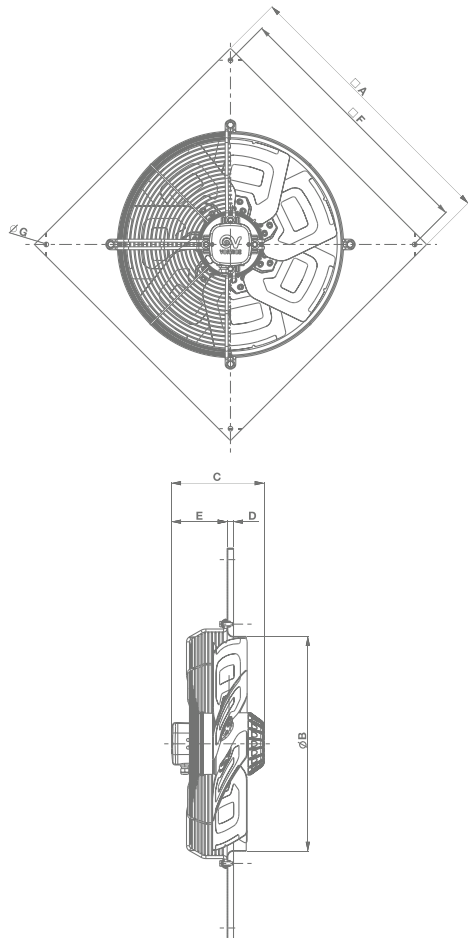
\* Sound pressure level measured at 1-3 m in free field conditions with long-cased appliance in delivery mode, in accordance with standard EN ISO 3741:2009.

ERP DATA | DIRECTIVE N° 327/2011/UE (LOTTO 11, 1ST TIER)

	Models	Code	Measurement cat.	Efficiency cat.	Year of construction	Variable drive	$\eta$	N.	(kW) Pe	(m <sup>3</sup> /h) q	BEP* p Pa	RPM	Spec. ratio <1.04	
SINGLE-PHASE	A-E 354 M	42258	A	STATIC	2015	NO	29.0	41.0	0.1405	1975	74.1	1333	YES	
	A-E 404 M	42260					32.1	42.0	0.2282	3121	84.6	1375		
	A-E 454 M	42307					31.6	41.5	0.2749	3501	89.4	1309		
	A-E 504 M	42316			2013		32.2	41.0	0.3972	4749	101	1285		
	A-E 506 M	42337					29.9	40.0	0.2293	3681	67.1	924		
	A-E 566 M	42356			2015		32.7	42.0	0.2816	4468	74.3	891		
THREE-PHASE	A-E 354 T	42259			2013		29.5	41.0	0.1415	2107	71.2	1332		
	A-E 404 T	42261					29.2	40.0	0.2078	2376	96	1428		
	A-E 454 T	42308					30.8	40.0	0.3049	3442	101	1384		
	A-E 504 T	42327					32.9	41.0	0.4741	5056	116	1366		
	A-E 506 T	42346					2015	29.5	40.0	0.2162	3408	68.3		957
	A-E 564 T	42336					2013	36.6	44.0	0.7527	6528	159		1349
	A-E 566 T	42366					2015	31.7	41.0	0.3749	5249	81.4		936
	A-E 636 T	42347					2013	33.8	43.0	0.410	6309	82		923

\* Best efficiency point.

DIMENSIONS







Models	Nr. pale	□ A	Ø B	C	D	E	□ F	Ø G
A-E 252 M	5	320	264	149	10	82	280	8
A-E 254 M								
A-E 254 T								
A-E 304 M	5	380	316	151	12	85	330	9
A-E 304 T								
A-E 354 M	5	450	361	155	12	85	380	9
A-E 354 T			366					
A-E 404 M	4	510	406	200	15	105	430	12
A-E 404 T				207		67		
A-E 454 M	4	630	455	206	15	104	530	11
A-E 454 T				207		67		
A-E 504 M	4	630	507	218	16	72	530	11
A-E 504 T				198		52		
A-E 506 M	7	630	508	218	16	134	530	11
A-E 506 T	4			198		114		
A-E 564 T	4	725	563	218	16	67	675	11
A-E 566 M	5			248		161		
A-E 566 T				218		131		
A-E 636 T	4	805	638	218	16	68	750	11

Dimensions (mm)

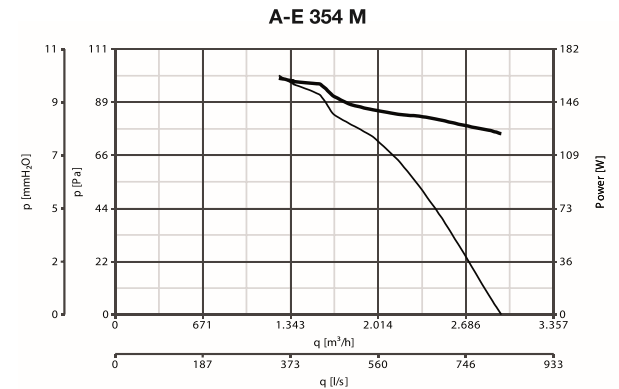
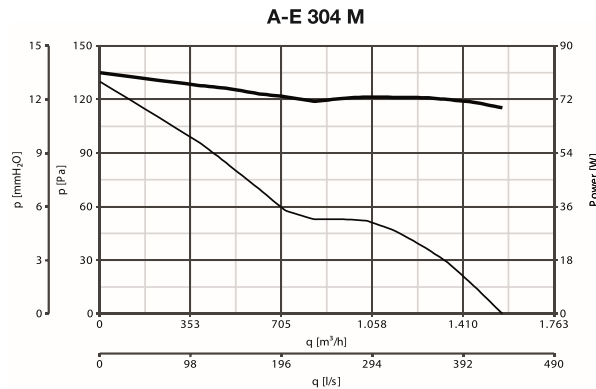
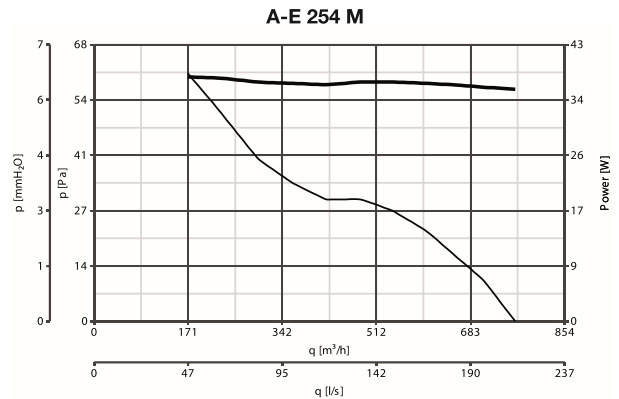
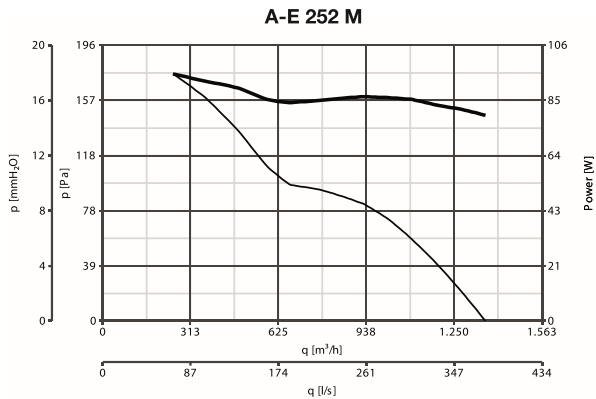


PRODUCT ACCESSORIES

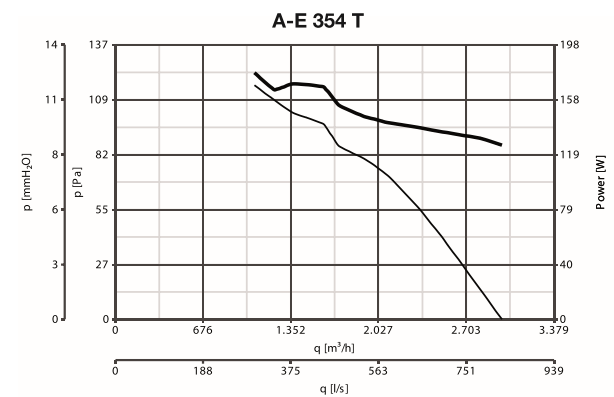
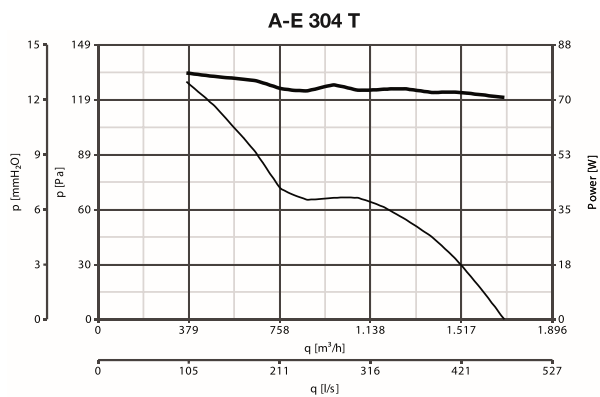
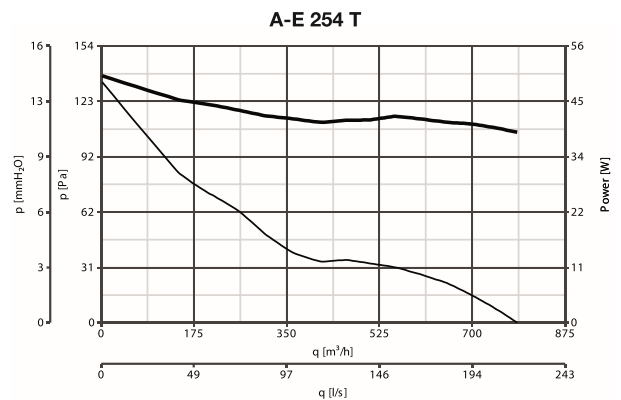
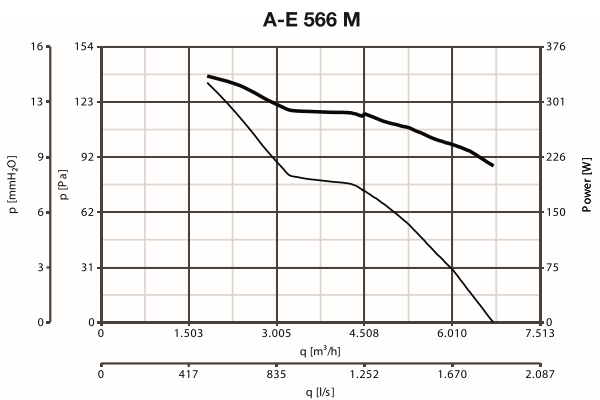
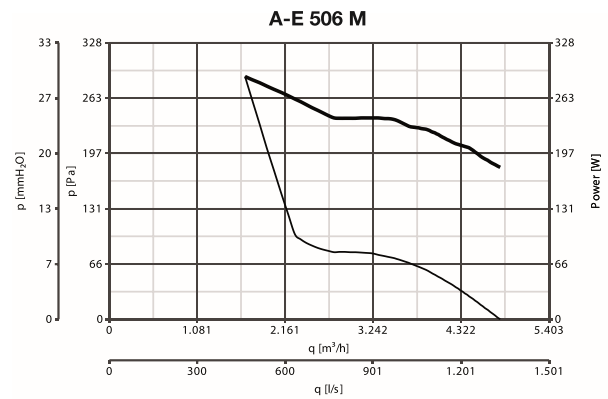
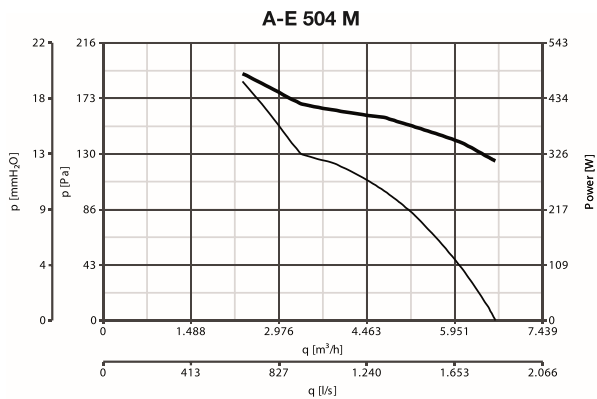
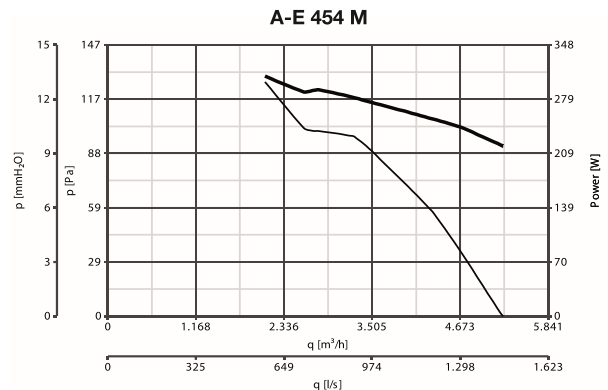
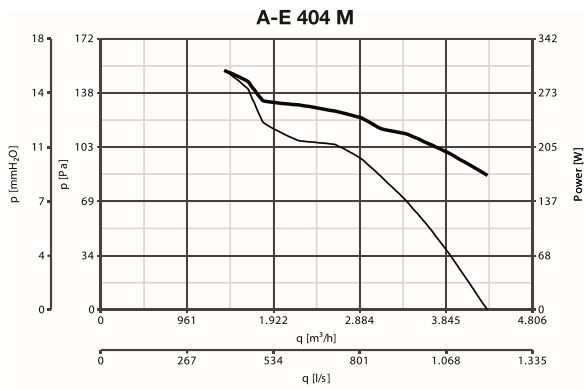
Models	Description	Code	Product
	IRM 30 - Three position single-phase speed controller	12921	42258 - 42260 - 42337 - 42356
	IRT 15 - Three position three-phase speed controller	12923	42227 - 42259 - 42261 - 42346 - 42657
	IRT 35 - Three-phase variable voltage drive	12924	42261 - 42308 - 42327 - 42336 - 42346 - 42347 - 42366
	IREM 3 - Single-phase speed controller	12931	42207 - 42208 - 42216 - 42258 - 42260 - 42616 - 42337 - 42356
	C 1.5 - Electronic speed controller	12966	42207 - 42208 - 42216 - 42258
	DPU - Spacer for panel installation	250	52151 - 42207 - 42208 - 42357
		300	52251 - 42216 - 42227
		350	52351 - 42258 - 42259

Description and sizes on page 162

PERFORMANCE CURVES

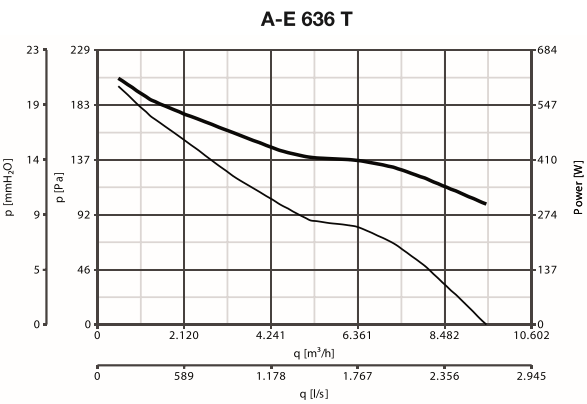
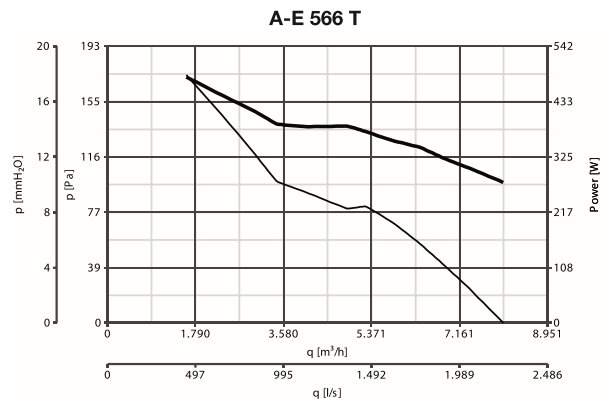
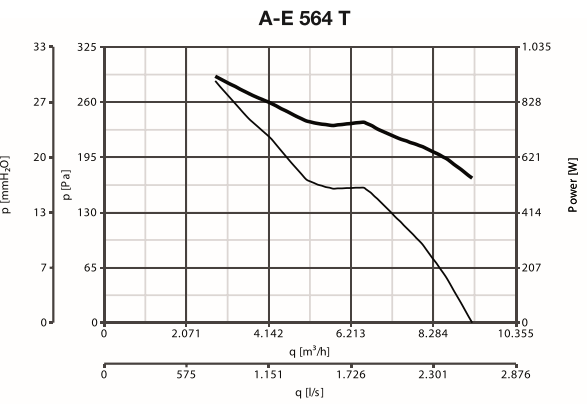
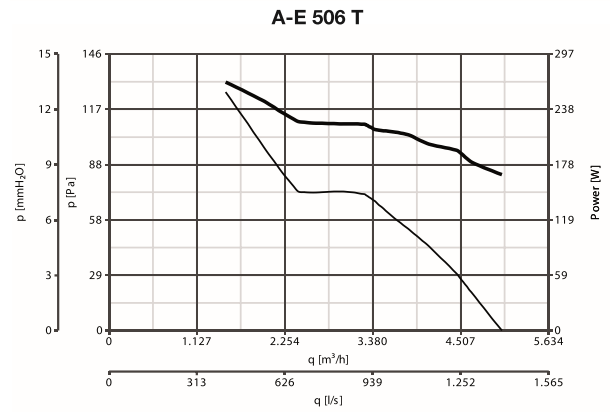
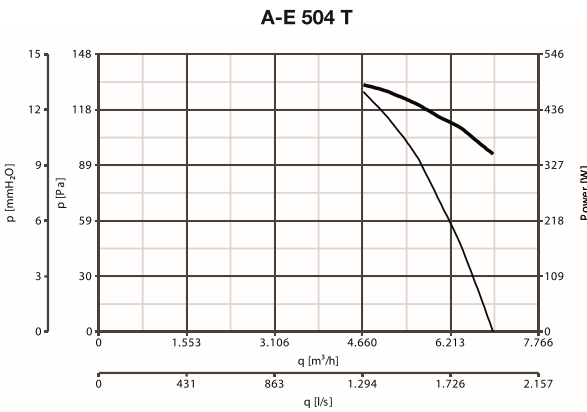
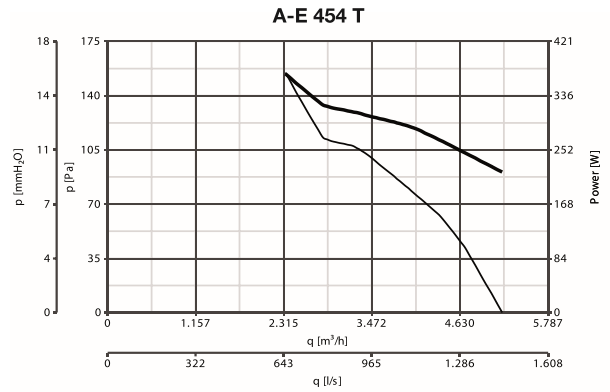
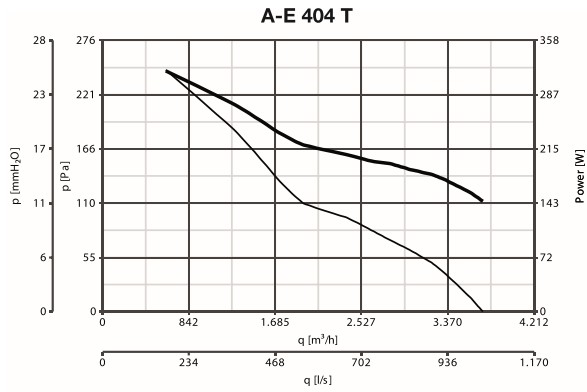


PERFORMANCE CURVES





PERFORMANCE CURVES



— Consumption — Delivery