

# “PA” RANGE PLATE AXIAL FANS

For Industrial/Commercial Use

- From 200mm to 710mm
- Airflow from 800 to 20,000m<sup>3</sup>/hr
- Single or Three Phase
- 4 or 6 Pole Motors
- Speed Controllable



Uniclass L7534

CI/SfB

(57.7) (X)



## “PA” - Plate Axial Fans

- Plate axial fans for wall or panel mounting
- 10 sizes from 200mm to 710mm
- Airflow from 800 to 20,000 m<sup>3</sup>/hr
- Frame in epoxy painted steel plate
- Safety grille in steel rod

- Blade in reinforced polypropylene
- Blade hub in die-cast aluminium
- Single or three phase
- Four and six pole
- Class F motor insulation
- Suitable for operation in air temperatures between -25°C to +60°C

- IP55 protection (**except** 204 and 254 sizes)
- Can be installed with airflow reversed (**except** 204 and 254 sizes)
- All fans have low noise level combined with high efficiency
- “PAFL” models with explosion proof motor for

installation in Zone 1 areas

- “SL” models for use where space is limited
- **Optional**
  - Die-cast aluminium blade
  - Full range of accessories
  - 8 pole motors available on certain sizes

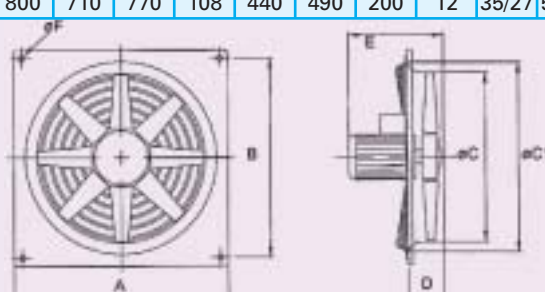
# PLATE AXIAL FANS - TECHNICAL DATA

Model	Size		Power Kw	Current		dbA at 3 m	R.P.M.	Max Air-flow		Duty - m3/sec at Pa										Speed Controller						
	ins	cms		1 ph	3 ph			m³/hr	c.f.m.	0	25	50	75	100	125	150	175	200	250	1 ph	3 ph					
PA204	8	20	0.03	0.34	0.16	41	1400	800	470	0.23	0.06														VC1	-
PA254	10	25	0.09	0.65	0.16	47	1400	1200	710	0.37	0.17	0.08													VC1	-
PA314	12	31	0.09	0.8	0.35	52	1400	2150	1445	0.6	0.55	0.39	0.22												VC1	-
PA354	14	35	0.13	1.1	0.52	57	1400	3400	2005	0.96	0.84	0.62	0.37	0.28											VC1	-
PA404	16	40	0.18	1.6	0.65	61	1400	5000	2960	1.4	1.28	1.04	0.61	0.53											VC4M	VC3AT
PA454	18	45	0.37	3	1.20	66	1400	7000	4130	1.96	1.8	1.62	1.39	0.93	0.8										VC4M	VC3AT
PA504	20	50	0.55	4.3	1.6	68	1400	9000	5310	2.5	2.45	2.3	2.15	1.8	1.2	0.9	0.8	0.68							VC6M	VC3AT
PA506	20	50	0.18	-	0.8	58	950	5580	3290	1.55	1.3	0.9	0.55	0.33											-	VC3AT
PA564	22	56	0.75	5	2.2	72	1400	12500	7375	3.46	3.3	3.15	2.9	2.5	1.8	1.25	1.2	1.04	0.92						VC6AM	VC3AT
PA566	22	56	0.25	-	0.91	61	950	7560	4460	2.1	1.8	1.4	0.8	0.45	0.35										-	VC3AT
PA634	25	63	1.1	6.7	3	75	1400	16000	9440	4.4	4.25	4.05	3.8	3.4	2.85	2.15	1.7	1.45	1.2						VC8AM	VC4AT
PA636	25	63	0.37	-	1.2	65	950	10080	5950	2.8	2.45	2.0	1.35	0.85	0.48										-	VC3AT
PA714	28	71	2.2	-	5.9	81	1400	20000	11800	5.5	5.25	4.9	4.65	4.35	3.95	3.6	2.95	2.05	1.5						-	VC8AT
PA716	28	71	0.75	-	2.5	68	950	13680	8070	3.8	3.4	2.85	2.25	1.35	0.85	0.45									-	VC3AT
PAFL204	8	20	0.15	1.5	0.53	41	1400	800	470	0.23	0.06															
PAFL254	10	25	0.15	1.5	0.53	47	1400	1200	710	0.37	0.17	1.08														
PAFL314	12	31	0.15	1.5	0.53	52	1400	2150	1445	0.6	0.52	0.34	0.22													
PAFL354	14	35	0.15	1.5	0.57	57	1400	3400	2005	0.96	0.84	0.62	0.37	0.28												
PAFL404	16	40	0.3	2.9	0.68	61	1400	5000	2960	1.4	1.28	1.04	0.61	0.53												
PAFL454	18	45	0.37	-	1.3	66	1400	7000	4130	1.96	1.8	1.62	1.39	0.93	0.8											
PAFL504	20	50	0.55	-	1.78	68	1400	9000	5310	2.3	2.45	2.3	2.45	1.8	1.2	0.9	0.8	0.68								
PAFL506	20	50	0.25	-	0.89	58	950	5580	3290	1.55	1.3	0.9	0.55	0.33												
PAFL564	22	56	0.75	-	2.2	72	1400	12500	7375	3.46	3.3	3.15	2.8	2.5	1.8	1.25	1.2	1.04	0.92							
PAFL566	22	56	0.25	-	0.89	61	950	7560	4460	2.1	1.8	1.4	0.8	0.45	0.35											
PAFL634	25	63	1.1	-	2.8	75	1400	16000	9440	4.4	4.25	4.05	3.8	3.4	2.85	2.15	1.7	1.45	1.2							
PAFL636	25	63	0.37	-	1.32	65	950	10080	5950	2.8	2.45	2.0	1.35	0.85	0.48											
PAFL714	28	71	2.2	-	5	81	1400	20000	11800	5.5	5.25	4.9	4.65	4.35	3.95	3.6	2.95	2.05	1.5							
PAFL716	28	71	0.75	-	2.2	68	950	13680	8070	3.8	3.4	2.85	2.25	1.35	0.85	0.45										
SL354	14	35	0.16	1.0	-	56	1400	3850	2270	1.07	0.97	0.77	0.42												VC1	
SL404	16	40	0.18	1.1	-	60	1400	5000	2950	1.46	1.37	1.18	0.95	0.65	0.39										VC1	
SL454	18	45	0.25	1.5	-	65	1400	6850	4040	1.95	1.8	1.65	1.4	1.15	0.86	0.65									VC4M	
SL504	20	50	0.37	1.8	-	68	1400	7900	4660	2.45	2.25	2.1	1.86	1.6	1.28	1.0	0.7								VC4M	
SL564	22	56	0.55	3.2	-	72	1400	11000	6845	3.02	3.06	2.83	2.65	2.4	2.1	1.75	1.42	1.15							VC4M	

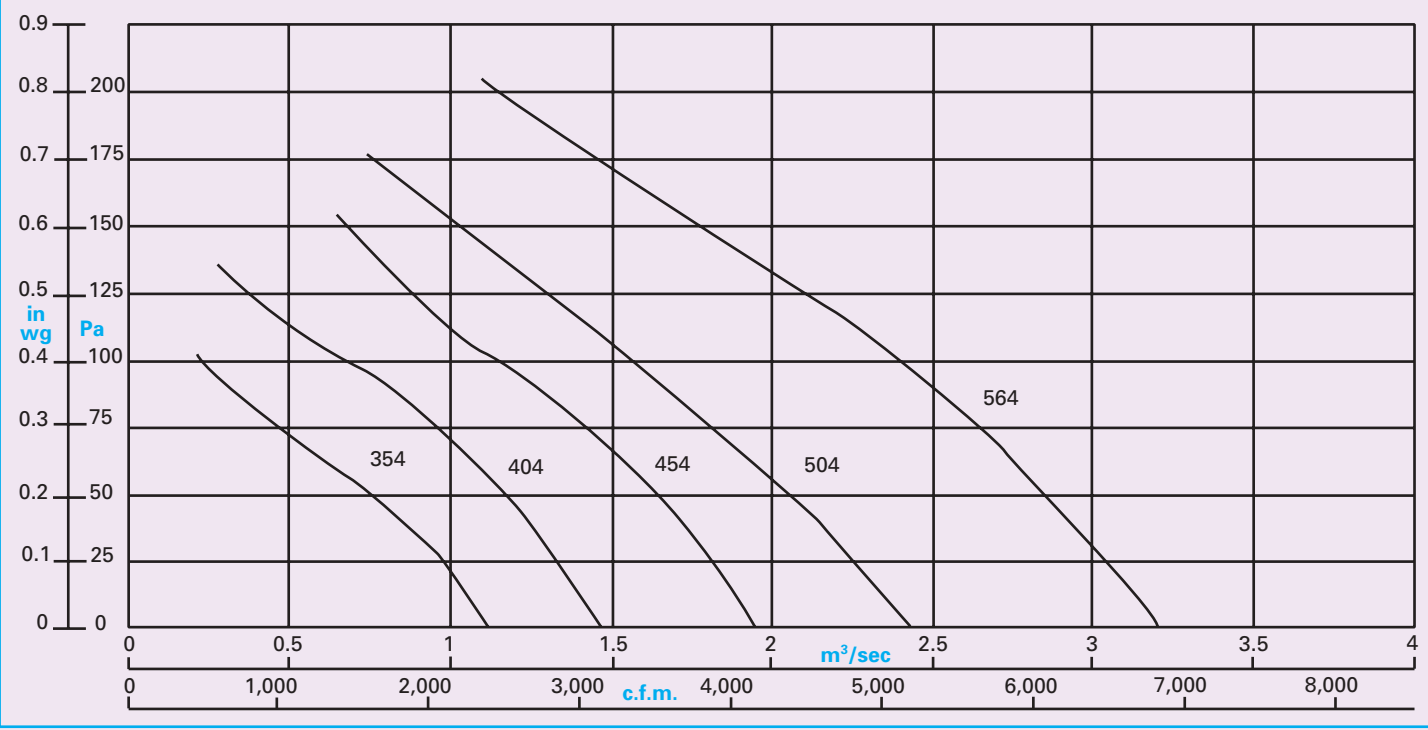
Flameproof fans cannot be speed controlled

Model	Mid Octave Bands							
	63	125	250	500	1000	2000	4000	8000
204	34	42	48	46	50	52	44	33
254	37	47	53	53	55	57	52	42
314	48	52	60	60	64	66	60	49
354	50	51	61	62	64	67	64	53
404	58	60	66	68	72	73	69	60
454	66	67	72	74	78	75	74	67
504	70	72	77	78	77	76	76	70
506	53	60	64	65	65	60	56	49
564	47	69	79	77	76	77	74	63
566	43	66	73	72	74	70	66	52
634	52	68	78	79	82	84	78	70
636	49	66	73	73	75	77	70	56
714	54	66	78	82	86	89	84	74
716	46	64	68	68	73	76	70	58

Mod	DIMENSIONS									Weight - Kg		
	A	B	C	C1	D	E			ØF	PA-		SL
						PA	FL	SL		PA	FL	
204	290	250	210	260	88	220	335	-	9	4	18	-
254	340	300	260	315	88	220	335	-	9	6	19	-
314	390	350	310	365	88	280	335	-	9	8	19	-
354	440	400	360	410	108	320	355	155	9	9	19	6.5
404	490	450	410	465	108	320	390	155	9	10	23	7
454	540	500	460	510	108	340	405	155	9	14	30	8
504/6	650	600	510	570	108	365	405	155	12	20	35	10
564/6	700	630	570	630	108	365	405	200	12	22/19	37/29	15
634/6	800	730	640	700	108	385	405	200	12	26/22	46/34	17
714/6	850	800	710	770	108	440	490	200	12	35/27	59/47	20

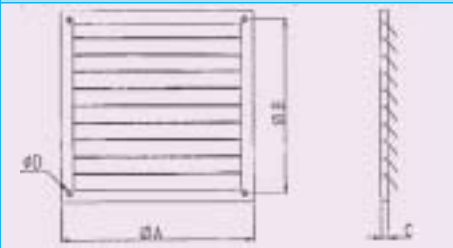


**PERFORMANCE CURVES - "SL" - 350mm - 560mm - 4 pole**



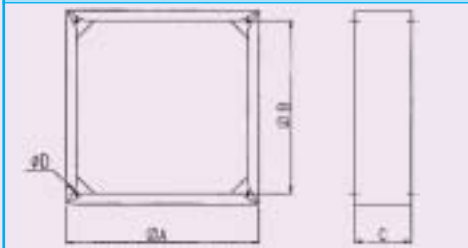
**PLATE AXIAL FANS - ACCESSORIES**

**Gravity Grilles**



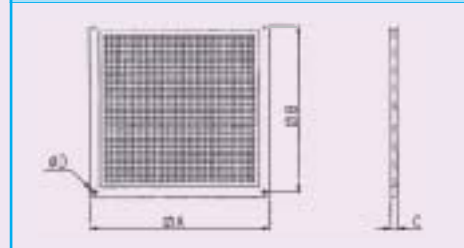
Gravity Grille	For Model	A	B	C	ØD	Kg
GG20	20	275	250	10	10	0.8
GG25	25	325	300	10	10	1.0
GG31	31	375	350	10	10	1.2
GG35	35	425	400	10	10	1.7
GG40	40	475	450	10	10	2.0
GG45	45	530	500	15	10	2.4
GG50	50	630	600	15	10	3.4
GG56	56	660	630	15	10	4.0
GG63	63	760	730	15	10	4.6
GG71	71	830	800	15	10	5.2

**Spacers**



Spacers	For Model	A	B	C	ØD	Kg
SP20	20	285	250	83	M6	1.5
SP25	25	330	300	83	M6	2.0
SP31	31	380	350	105	M6	2.5
SP35	35	430	400	105	M6	2.9
SP40	40	480	450	105	M6	3.3
SP45	45	530	500	105	M6	3.8
SP50	50	640	600	105	M8	5.0
SP56	56	690	630	105	M8	6.0
SP63	63	790	730	105	M8	7.0
SP71	71	840	800	105	M8	8.0

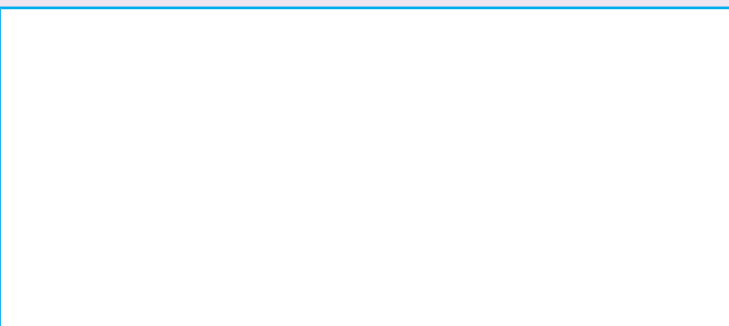
**Protection Guards**



Protection Guard	For Model	A	B	C	ØD	Kg
PG20	20	275	250	10	10	1.3
PG25	25	325	300	10	10	1.5
PG31	31	375	350	10	10	1.9
PG35	35	425	400	10	10	2.3
PG40	40	475	450	10	10	2.7
PG45	45	530	500	15	10	2.8
PG50	50	630	600	15	10	4.0
PG56	56	660	630	15	10	4.6
PG63	63	760	730	15	10	5.3
PG71	71	830	800	15	10	6.0

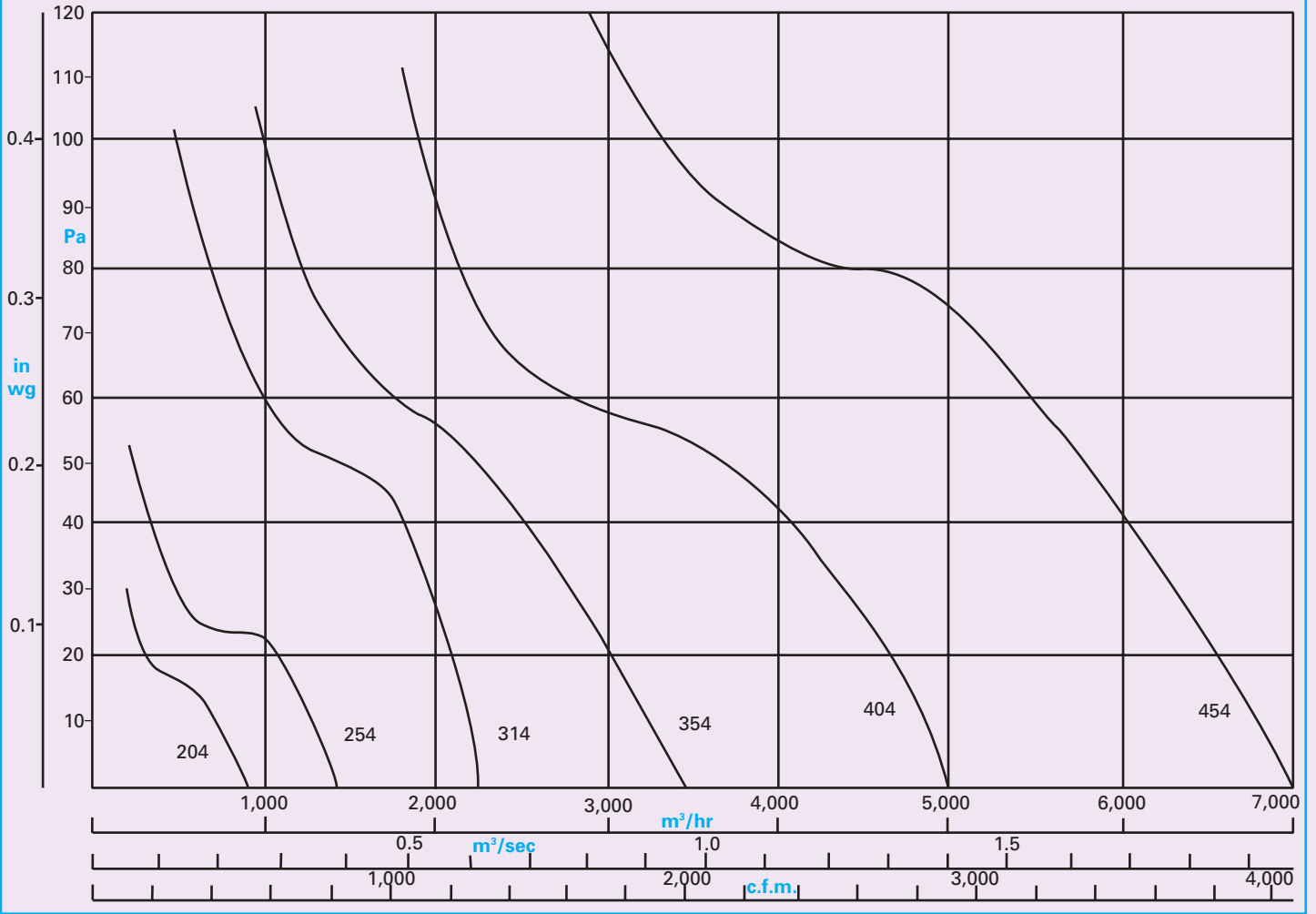
**OTHER VECTAIRE INDUSTRIAL/COMMERCIAL/DOMESTIC PRODUCTS**

- "SMOKEX"® Emergency Smoke Extract Fans
- Cased Axial Fans
- Ring Mounted Axial Fans
- Roof Mounted Axial Fans
- Vertical Discharge Axial Roof Fans
- High Temperature Centrifugal Roof Fans
- In-Line Centrifugal Fans
- Acoustic Centrifugal Cabinet Fans
- Heavy Duty Centrifugal Fans
- Corrosion Resistant Centrifugal Fans
- Portable Cooling Fans
- Commercial Built-in Wall Fans
- Window/Wall Fans
- Toilet/Bathroom/Kitchen Fans



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### PERFORMANCE CURVES - "PA" and "PAFL" - 200mm - 450mm - 4 pole



### PERFORMANCE CURVES - "PA" and "PAFL" - 500mm - 710mm - 4 and 6 pole

