

APL Series (SA)

/ Wall Mounted Axial Fan



Compact



Easy Installation



Safe Operation

Why KRUGER ?

KRUGER has been a leading innovator and manufacturer of residential, commercial and industrial fan application solutions across Asia since 1985. Today with a direct presence in over 18 regions throughout Asia; world class R&D and manufacturing facilities; KRUGER are able to offer their customers unparalleled service and support at a local level. Our customers place their trust in KRUGER.

/ What is KRUGER APL (SA) Propeller Fan?

The APL series (SA) is a panel mounting propeller fan designed for both supply and exhaust purposes in clean air applications with motor protection IP 54 and CL-F insulation. This fan generates a substantial airflow, is easy to install, and requires minimal maintenance.

/ Why use KRUGER APL (SA) Propeller Fan?



Compact

The low-profile design of the APL Series (SA) enhances airflow performances whilst minimising noise generation.



Easy Installation

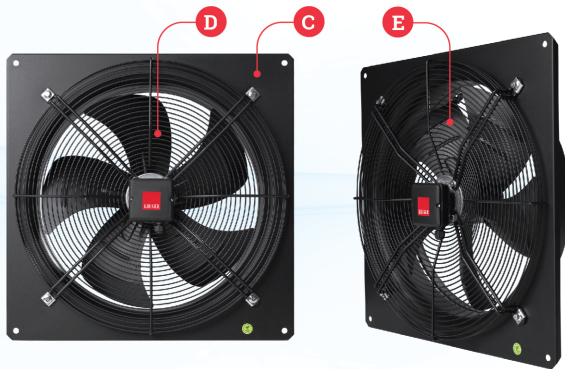
Kruger APL series (SA) offers simple installation process, the square panel could be fastened directly to the wall or desired surface.



Safe Operation

All APL series (SA) fans come with thermal overload protection devices that offer safe operation.

Summary of Key Standard APL Series (SA) Specifications



- A** – Airflow up to 11,722 CMH
- B** – Clean air standard ventilation application, Airstream Operating Temperatures -25°C to +50°C.
- C** – Fan panel constructed from high grade steel sheet with a black polyester paint finish.
- D** – The "Sickle blade" steel impeller is designed for superior efficiency, delivering optimal airflow performance while maintaining minimal noise. All APL series (SA) impellers are balanced to meet the ISO 21940 standard and is paired with external rotor motors.
- E** – Finger proof guard protection net with a black polyester paint finish.
- F** – Accessories such as mounting accessories can be supplied upon request.

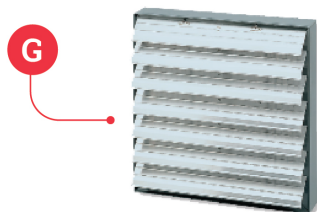


Kruvent Industries (M) Sdn. Bhd. certifies that the model APL 315-630 (SA) Wall mounted Axial Fan shown herein are licensed to bear the AMCA Seal.

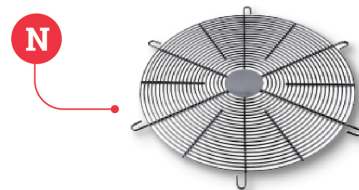
The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Model APL 200-250 (SA) are not licensed by AMCA International.

Options and Accessories

Mounting Accessories

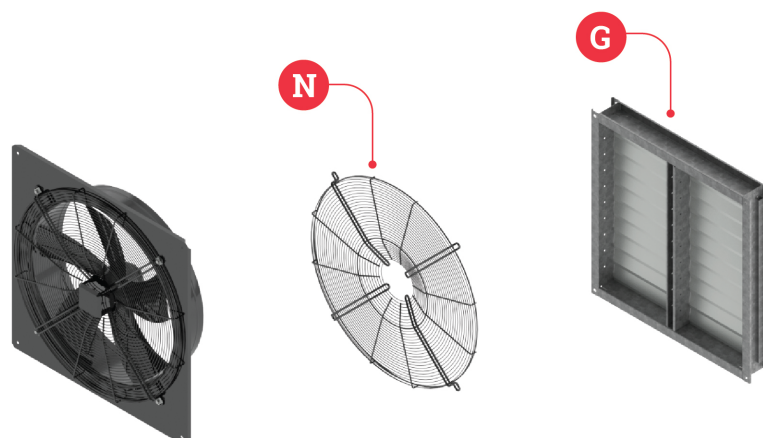


Gravity shutter
(Aluminium is available upon request)



Protection net
(additional from standard)

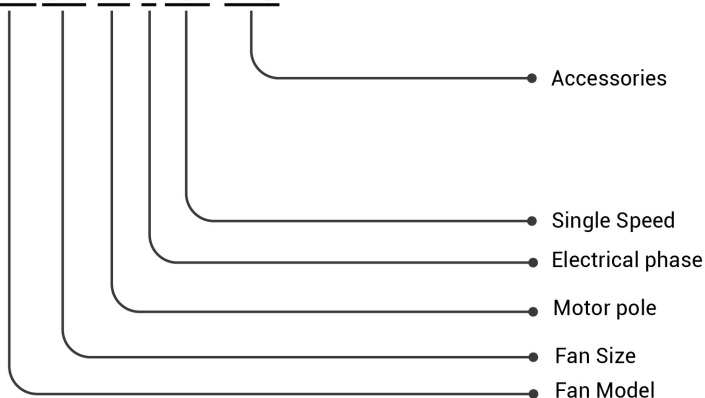
Exploded View with Accessories



Model Number Nomenclature

Please contact your local KRUGER company office for any questions or support.

APL 315 4P-1 1SA-N-G



N = Protection net
G = Gravity shutter

Typical Application



Mechanical Room



Hall (Multipurpose)

Technical Data

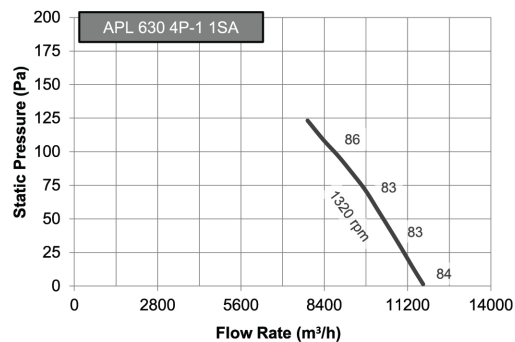
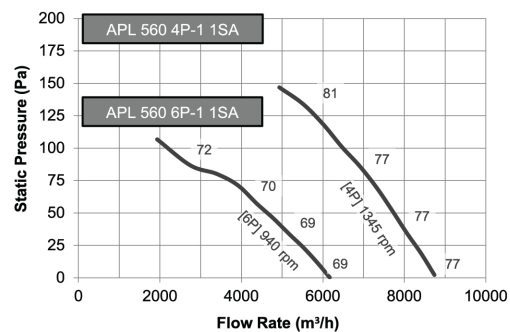
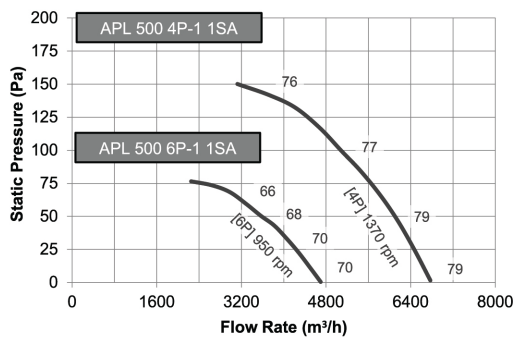
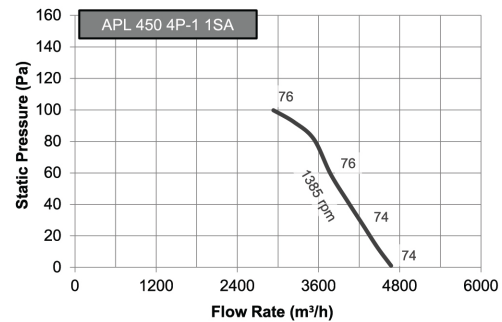
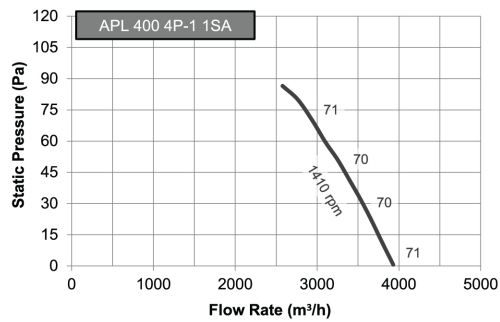
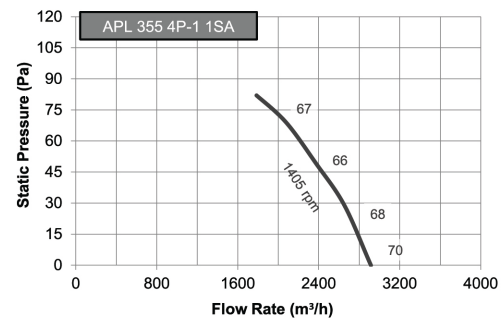
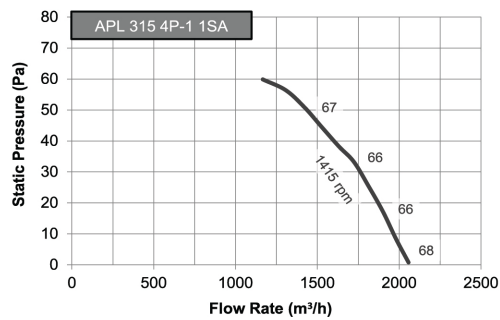
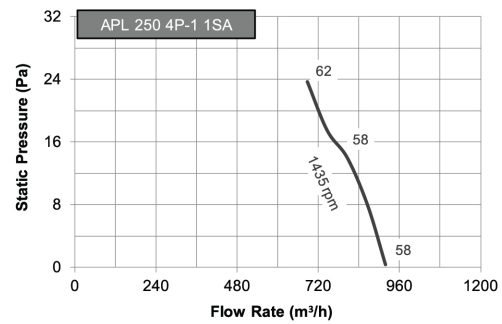
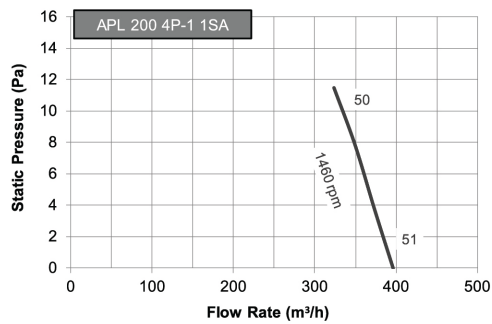
APL Series (SA) Technical data

Model	Max Q (CMH)	Maximum Motor input Power (W)	Motor Protection	Motor	N° Pole	Hz	Maximum Current (A)	Insulation Class	Lp(A) at 3m free discharge (dB (A))*	Speed (RPM)	Motor Model Number
							230V				
APL 200 4P-1 1SA	396	33	IP 54	Single Phase	4	50	0.14	F	30	1460	-
APL 250 4P-1 1SA	919	51	IP 54	Single Phase	4	50	0.25	F	37	1435	-
APL 315 4P-1 1SA	2057	112	IP 54	Single Phase	4	50	0.47	F	47	1415	DPS2004
APL 355 4P-1 1SA	2916	161	IP 54	Single Phase	4	50	0.68	F	49	1405	DPS2204
APL 400 4P-1 1SA	3929	214	IP 54	Single Phase	4	50	0.88	F	50	1410	DPS2404
APL 450 4P-1 1SA	4671	310	IP 54	Single Phase	4	50	1.30	F	53	1385	DPS2604
APL 500 4P-1 1SA	6774	457	IP 54	Single Phase	4	50	1.90	F	58	1370	DPS2804
APL 500 6P-1 1SA	4699	211	IP 54	Single Phase	6	50	0.96	F	49	950	DPS2806
APL 560 4P-1 1SA	8740	643	IP 54	Single Phase	4	50	2.68	F	56	1345	DPS3004
APL 560 6P-1 1SA	6171	343	IP 54	Single Phase	6	50	1.55	F	48	940	DPS3006
APL 630 4P-1 1SA	11722	883	IP 54	Single Phase	4	50	3.75	F	63	1320	DPS3204

* Inlet Lp (A) sound pressure levels at 3m are measured at free discharge in spherical free field condition, inlet Lp(A) (dB(A)) levels are not licensed by AMCA International.

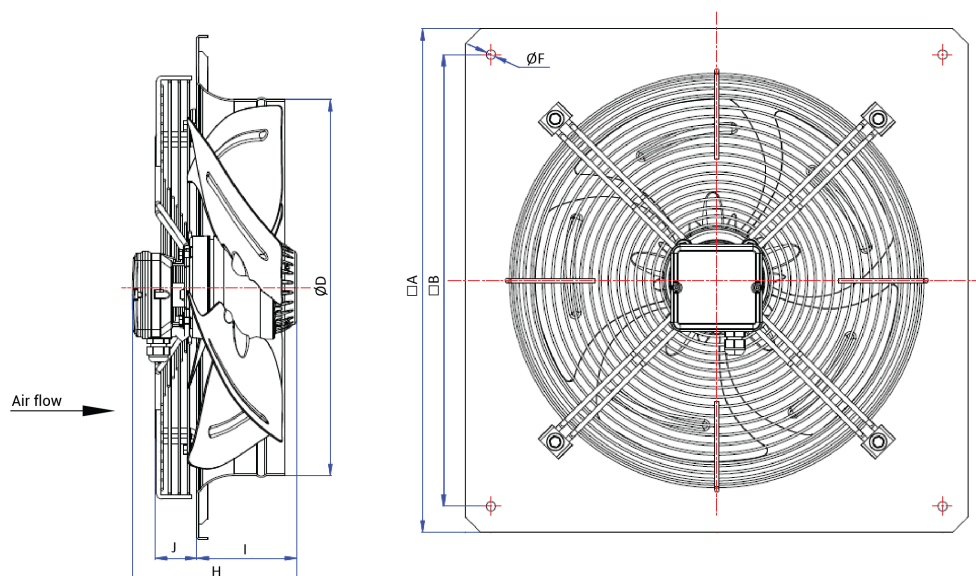
- Performance ratings do not include the effects of appurtenances (accessories).
- Performance certified is for installation type A - Free inlet, Free outlet with partition.
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Model APL 200 – 250 (SA) are not licensed by AMCA International.

Performance Data - 50 Hz



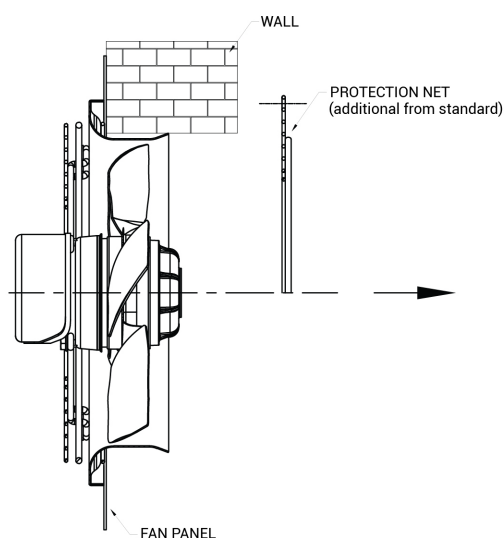
- Values shown are for inlet LwA sound power levels for installation type A: free inlet, free outlet with partition. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.
- Performance certified is for installation type A-Free inlet, Free outlet with partition.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual Speed of test.
- Model APL 200 – 250 (SA) are not licensed by AMCA International.

Dimension



Dimensions								(all in mm.)
Model	□A	□B	ØD	ØF	H	I	J	Wt (kg)
APL 200 4P-1 1SA	312	260	208	7	125	52	28	3.4
APL 250 4P-1 1SA	370	320	263	7	126	66	32	4.0
APL 315 4P-1 1SA	430	380	318	9	143	80	40	6.0
APL 355 4P-1 1SA	485	435	364	9	158	96	40	7.3
APL 400 4P-1 1SA	540	490	403	9	171	115	40	9.3
APL 450 4P-1 1SA	575	535	463	11	183	123	40	10.3
APL 500 4P-1 1SA	655	615	514	11	197	120	31	15.5
APL 500 6P-1 1SA								
APL 560 4P-1 1SA	725	675	563	11	212	135	32	17.5
APL 560 6P-1 1SA								
APL 630 4P-1 1SA	805	750	648	11	221	151	32	24.0

Installation



Quick Pre-Installation Checklist

- Ensure that suitable fastener is used for each of the mounting holes in the panel.
- Ensure that the fan panel and drive components are not bent or twisted during installation.
- Fan should be installed so that any obstructions will not be within 1 Diameter of the fan inlet and outlet.
- Ensure that the fan orientation is correct for the required air flow direction.

KRUGER

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