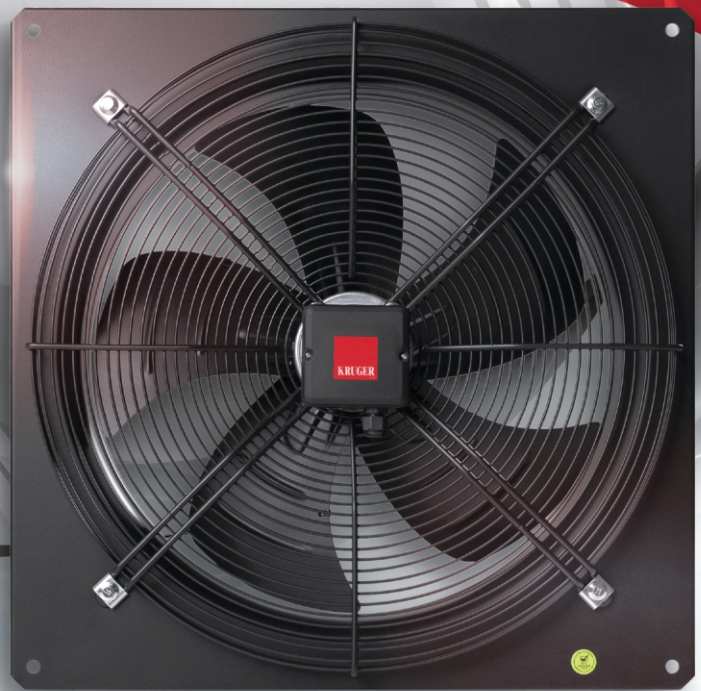
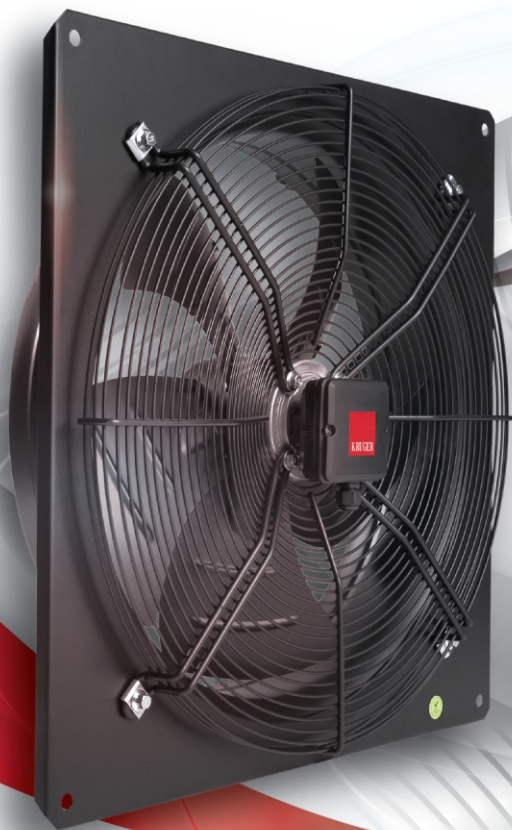


APL Series (SA)

/ 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 Propeller Fan?

The APL series 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 Propeller Fan?



Compact

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



Easy Installation

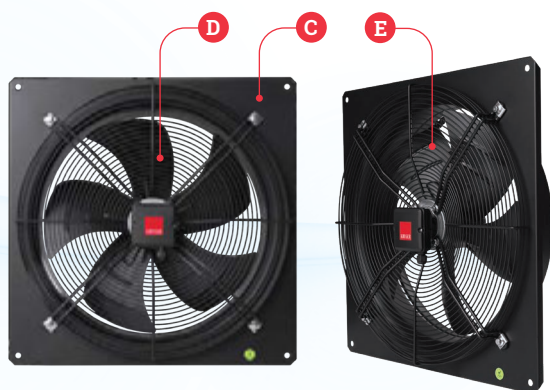
Kruger APL series offers simple installation process, the square panel could be fastened directly to the wall or desired surface.



Safe Operation

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

Summary of Key Standard APL Series Specifications



A — Airflow up to 12,000 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 fan 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 speed controller and mounting accessories can be supplied upon request.

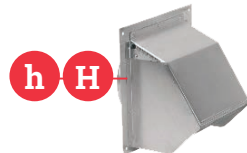
Options and Accessories

Electrical Accessories

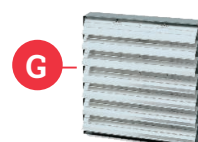


S — **Speed Controller**
(Please contact nearest Kruger for technical confirmation)

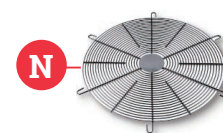
Mounting Accessories



h H — **Rain hood**
(optional with Bird screen is available upon request)

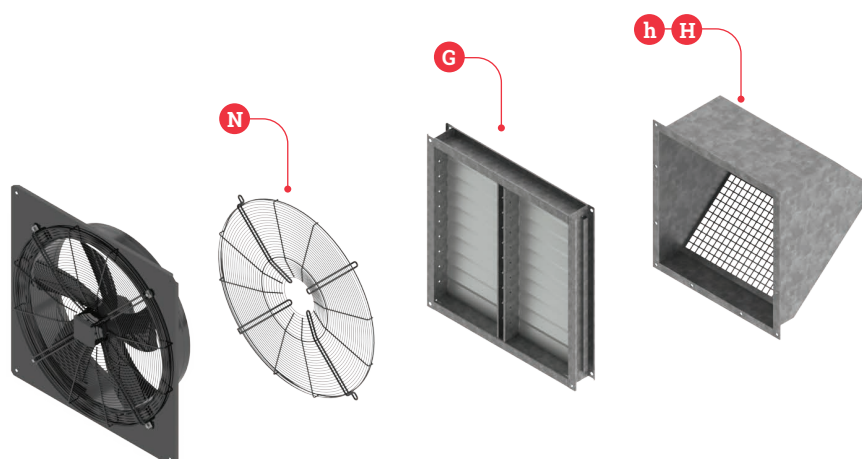


G — **Gravity shutter**
(Aluminium or Plastic Options are available upon request)



N — **Protection net**
(additional from standard)

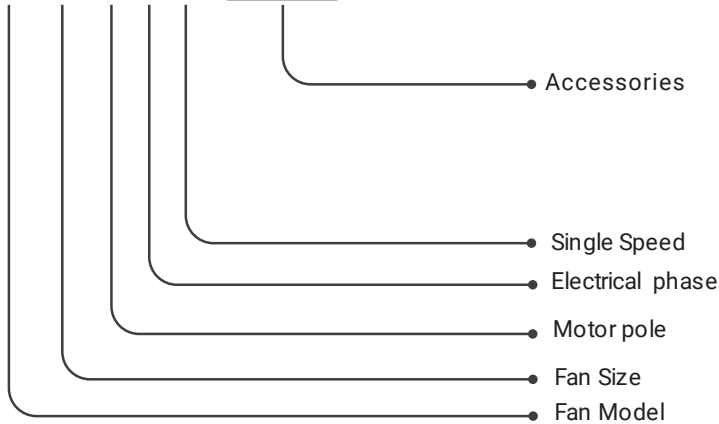
Exploded View with Accessories



Model Number Nomenclature

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

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



S = Manual Speed step control
h = Rain Shroud (wo Bird Screen)
H = Rain Shroud (w Bird Screen)
N = Protection net
G = Gravity shutter

Typical Application



Mechanical Room



Hall (Multipurpose)

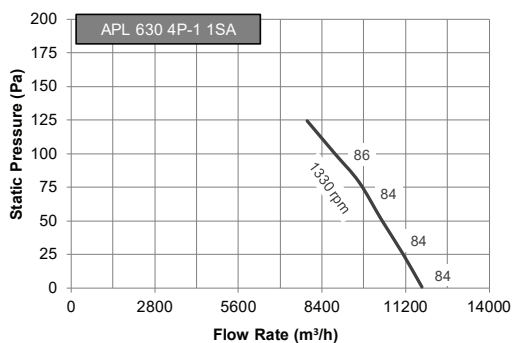
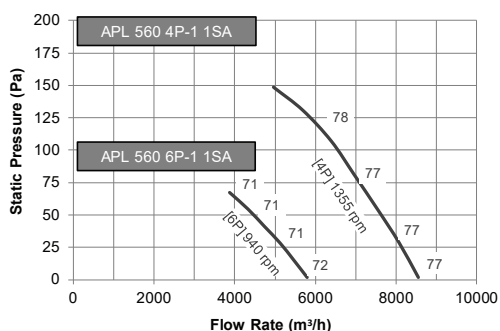
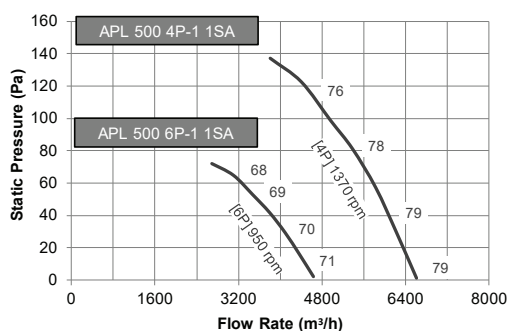
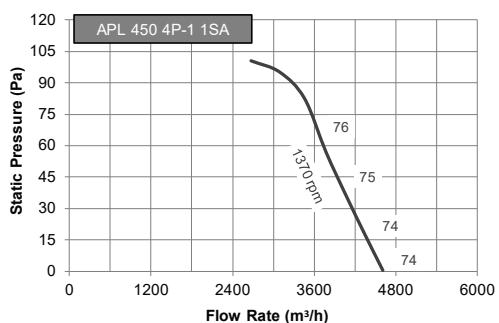
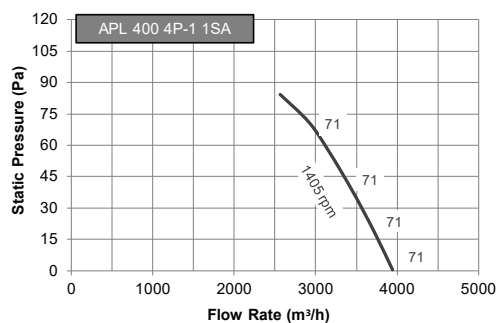
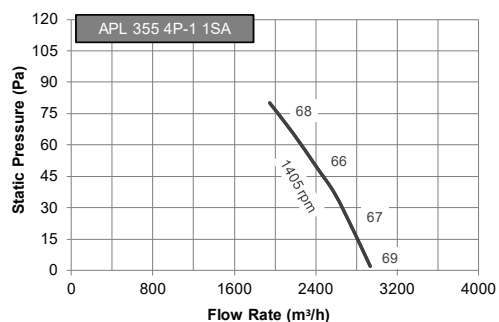
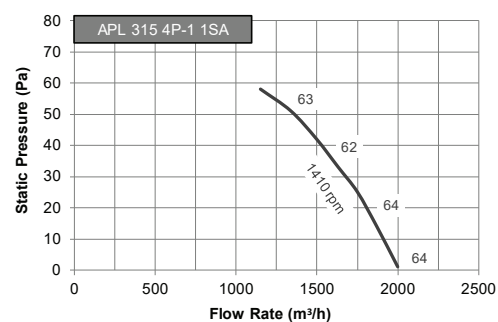
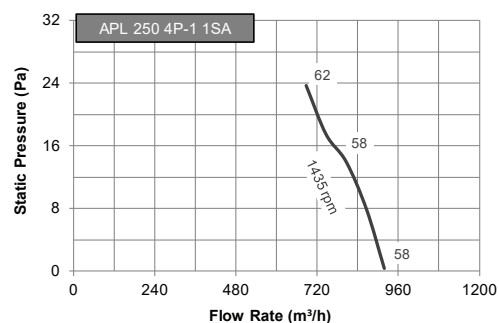
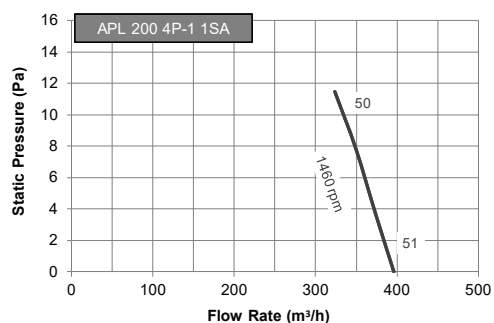
Technical Data

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)
							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	1998	111	IP 54	Single Phase	4	50	0.48	F	43	1410
APL 355 4P-1 1SA	2934	162	IP 54	Single Phase	4	50	0.69	F	48	1405
APL 400 4P-1 1SA	3944	213	IP 54	Single Phase	4	50	0.90	F	50	1405
APL 450 4P-1 1SA	4613	350	IP 54	Single Phase	4	50	1.47	F	53	1370
APL 500 4P-1 1SA	6602	457	IP 54	Single Phase	4	50	1.92	F	58	1370
APL 500 6P-1 1SA	4637	208	IP 54	Single Phase	6	50	0.97	F	50	950
APL 560 4P-1 1SA	8550	634	IP 54	Single Phase	4	50	2.67	F	56	1355
APL 560 6P-1 1SA	5799	331	IP 54	Single Phase	6	50	1.52	F	51	940
APL 630 4P-1 1SA	11757	908	IP 54	Single Phase	4	50	3.82	F	63	1330

- * 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.
- * Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance Data - 50 Hz



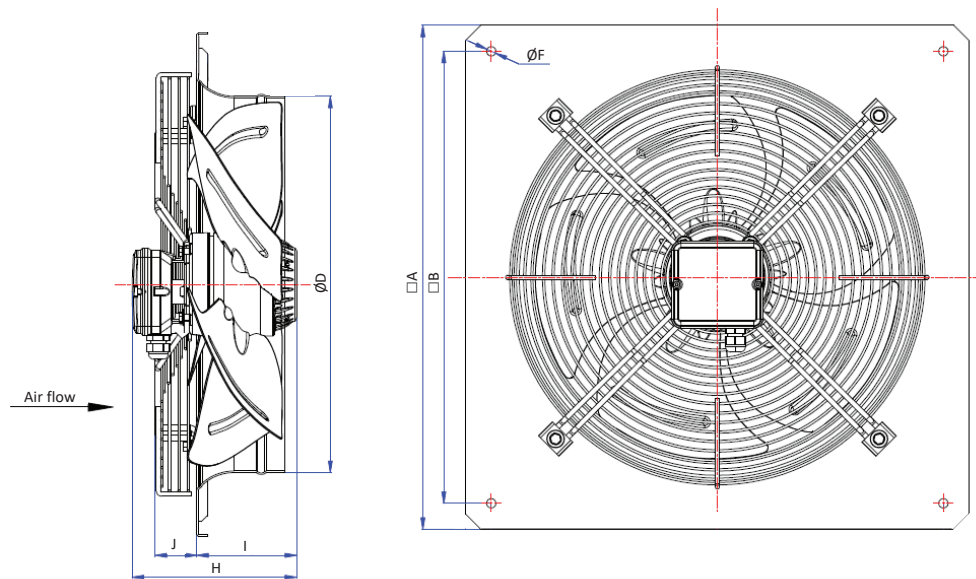
* Values shown are fan inlet Lw (A) sound power level for installation type A: free inlet, free outlet. The A-weighted sound rating shown have been calculated per AMCA International Standard 301.

* Performance shown is for installation type A – Free inlet, Free outlet.

* Performance ratings do not include the effects of appurtenances (accessories).

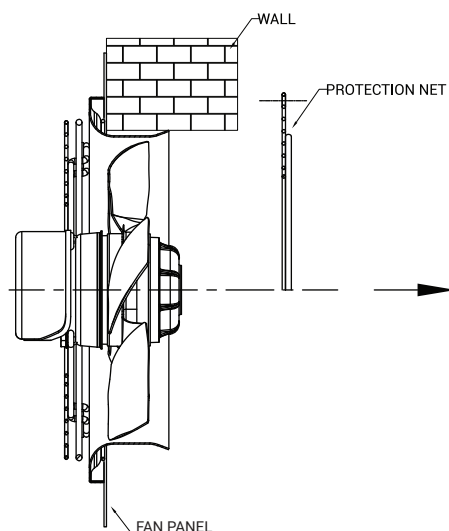
* Speed (RPM) shown is nominal. Performance is based on actual Speed of test.

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	6.5
APL 400 4P-1 1SA	540	490	403	9	171	115	40	8.2
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 Ventilation Group

THAILAND (REGIONAL HEADQUARTER)

KRUGER VENTILATION INDUSTRIES ASIA CO., LTD.
30/159 Moo 1, Sinsakorn Industrial Estate, Chetsadawithi Road,
Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel: +662 1054298 Fax: +662 0248256-9
Website: www.krugerfan.com

THAILAND

KRUGER VENTILATION IND. (THAILAND) CO., LTD.
30/105 Moo 1, Sinsakorn Industrial Estate, Chetsadawithi
Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel: +662 1050399 Fax: +662 1050370-2
Email: mktg@kruger.co.th

INDIA

KRUGER VENTILATION INDUSTRIES (INDIA) PVT. LTD.
Kruger Centre, Mumbai-Nasik Highway, Kalamgaon,
Shahapur, Thane 421601, Maharashtra, India
Tel: +91 9960558899/9975577211
Email: sales@krugerindia.com

INDIA (NORTH)

KRUGER VENTILATION INDUSTRIES (INDIA) PVT. LTD.
Khasra No. 150//20/2/1, 21/1/2, 22/2, 151//16/2/2, Village
Rohad, Tehsil Bahadurgarh, Jhajjar, Haryana-124507, India
Tel: +91-9958991652/9958991660/8586966303
Fax: +91-1276-278096
Email: sales.kni@krugerindia.com, service@krugerindia.com

KOREA

NEOMATE CO., LTD.
2-1010, Ace High Tech City B/D, 775 Gyeongin-ro,
Yeongdeungpo-gu, Seoul, Korea. Postal Code 07299
Tel: +82-2-2679-2052 Fax: +82-2-2679-2174
Email: y7890@neomate.co.kr

SINGAPORE

KRUGER ENGINEERING PTE. LTD.
2 Venture Drive #20-23, Vision Exchange,
Singapore 608526.
Tel: +65 68631191 Fax: +65 68631151
Email: mktg@krugerfan.com

AUSTRALIA

S&P KRUGER AUSTRALIA PTY. LTD.
2 Cunningham St, Moorebank N.S.W. 2170
Tel: +61 2-98227747
Fax: +61 2-98227757
Email: info@sandpkruger.com.au

INDONESIA

P.T. KRUGER VENTILATION INDONESIA.
JL. Teuku Umar No.20, RT. 001/RW. 001.
Karawaci, Tangerang 15115, Indonesia
Tel: +62 21-5512288/5513557/5513576/5514353
Fax: +62 21-5513502
Email: mktg@krugerindo.co.id

VIETNAM

KRUGER VENTILATION INDUSTRIES (VIETNAM) CO., LTD.
Lot A7. 2-4, C2 Road, Thanh Thanh Cong IZ,
Trang Bang Dist. Tay Ninh Province, Vietnam
Tel: +84-276 3585200/01/02 Fax: +84-276 3585199
Email: mktg@krugervn.com

CHINA (GUANGZHOU)

GUANGZHOU KRUGER VENTILATION CO., LTD.
No. 9 Huahui Road, Huashan, Huadu,
Guangzhou, P.R. China 510880
Tel: +86 20-66356635 Fax: +86 20-86786001/86786500
Email: gzkruger@krugergz.com

CHINA (TIANJIN)

TIANJIN KRUGER VENTILATION CO., LTD.
Jingjin Science and Technology Park
Wuqing District, Tianjin, China
Tel: +86 22-22143480/3481 Fax: +86 22-22143482
Email: krugertj@krugertj.com

CHINA (SHANGHAI)

SHANGHAI KRUGER VENTILATION CO., LTD.
No.500 Yuanguo Road, Anting, Jiading District,
Shanghai 201814, P.R. China
Tel: +86 21-69573266 Fax: +86 21-69573296
Email: shkruger@krugerchina.com

CHINA (WUHAN)

WUHAN KRUGER VENTILATION CO., LTD.
No. 805, Huian Ave, Dongxihu District, Wuhan,
Hubei, P.R. China 430040
Tel: +86 27- 83248840/83060522/83097505
Fax: +86 27- 83261886
Email: whkruger@krugerwh.com

HONG KONG

KRUGER VENTILATION (HONG KONG) LIMITED.
Flat C, 9/F, Yeung Yiu Chung (No.8) Industrial Building,
20 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong
Tel: +852 22469182 Fax: +852 22469187
Email: info@kruger.com.hk

TAIPEI

KRUGER VENTILATION (TAIWAN) CO., LTD.
No. 157, Ping-an Rd, Hengfeng Village, Dayuan Shiang
Taoyuan County 337, Taiwan
Tel: +886 3-3859119 Fax: +886 3-3859118
Email: sales@krugertwn.com.tw

MALAYSIA

KRUVENT INDUSTRIES (M) SDN. BHD.
Lot 850, Jalan Subang 7, Taman Perindustrian
Subang, 47500, Subang Jaya, Selangor D.E.
Tel: +603 80743399 Fax: +603 80743388
Email: mktg@kruger.com.my

PHILIPPINES

KRUGER M & E INDUSTRIES CORP.
B3 Welborne Industrial Park, Bancal,
Carmona, Cavite, Philippines 4116
Tel: +63-917 561 9088, +63-917 596 7288
+63-917 712 8438, +63-917 306 8288
Email: mktg@krugerph.net

A member of

Soler&Palau
Ventilation Group



Kruger Ventilation Industries Asia Co., Ltd

30/159 Moo 1, Sinsakorn Industrial Estate
Chetsadawithi Road, Khok Kham Mueng,
Samuthsakorn 74000, Thailand
Tel. +662 1054298 - Fax. +662 0248256-9
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A member of

