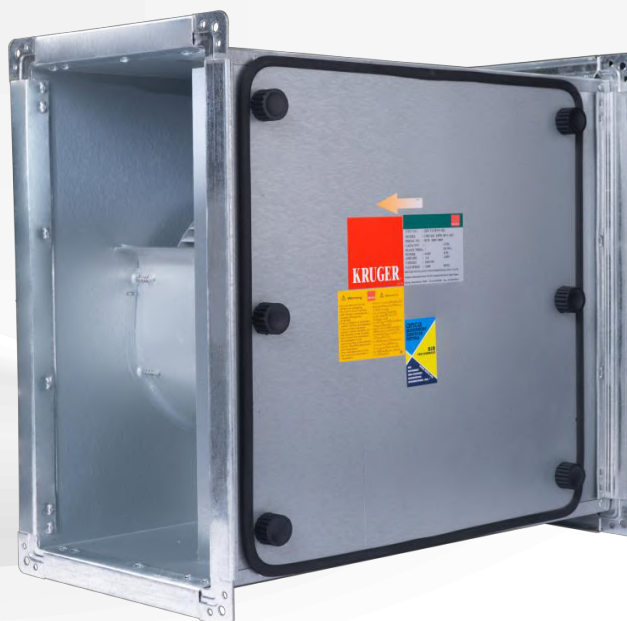




CSD Series Cabinet Fan

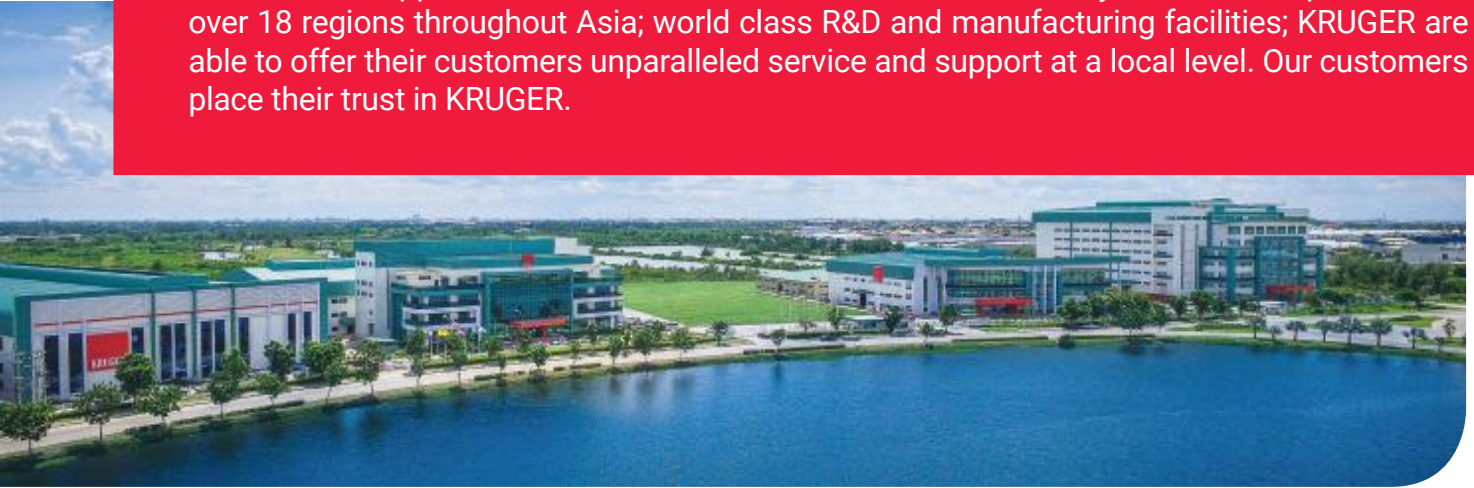
Inline Centrifugal Cabinet Fan



✖ Compact ⚙ Easy to Maintenance 🔊 Low Noise

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 a KRUGER CSD Inline Centrifugal Cabinet Fan?

The CSD series is a single inlet centrifugal inline fan designed for supply, exhaust and pressurization in general clean air application with CL-F insulation motor. It is compact, generates high pressure and low noise.

Why use a KRUGER CSD Cabinet Fan?



Compact size

Smaller footprint/space >>>> **More usable area for occupants**

CSD series compact size cabinet require smaller for installation and it could be installed above ceiling.

Low noise

Installation near occupant >>>> **Flexible installation location**

KRUGER CSD Series offer one of the lowest noise /CMH in the industry.



Easy to maintenance

Direct without the belt, bearing and sheaves >>>> **Lower maintenance cost**

CSD fan impeller is directly mouted to motor shaft, eliminate the loss due to drive transmission, require less fan parts and no maintenance needed.

Summary of Key Standard CSD Series Specifications

A Airflow and static pressure up to 7,000 CMH and 750 Pa.

B Airstream Operating Temperatures
Clean air standard ventilation application
-20°C to +40°C.

C Certifications



Kruger Ventilation Industries Asia Co., Ltd. certifies that the **CSD series** shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

D Cabinet

With high gloss surface finished manufactured from ZERO spangle galvanized steel.

E Single Width Forward Curved Wheel

Wheel manufactured in high gloss surface finished manufactured from ZERO spangle galvanized steel. All wheels are statically and dynamically balanced to G2.5 in accordance with ISO 21940.

F Modularized Cabinet Design

INSTALL & SERVICE-FRIENDLY, removable access panel on both sides for easy access to fan and motor.

G Duct Collars/L-Inlet and Outlet Fan



Options and Accessories

H : Flexible Duct

J : Isolators

Typical Applications



Office



Toilet

Technical Data

IP21 Motor Models

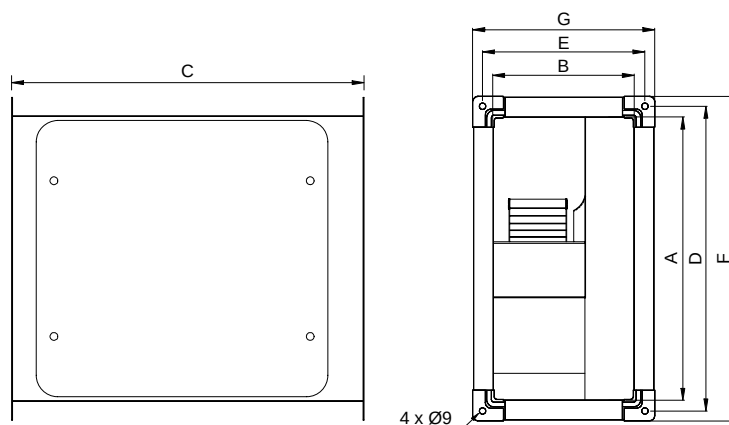
Model	Max Q (m³/h)	Max Ps (Pa)	Motor Installed Power (W)	Maximum Motor Input Power (W)	Motor Protection	Phase	Pole	Hz	Maximum Current (A)	Voltage (V)	Capacitor (µF/V)	Insulation Class	Lp (A) at 3m free discharge (dB (A))*	Speed (RPM)	Motor Model Number
CSD 200 4P-1 1SY	845	245	165	222	IP21	1	4	50	0.9	230	7.5/450	F	49	1440	F3MC7317
CSD 225 4P-1 1SY	1080	450	245	348	IP21	1	4	50	1.6	230	7.5/450	F	49	1370	F3MC7315
CSD 250 4P-1 3SY	1870	535	350	708/520/363	IP21	1	4	50	3.0/2.3/1.7	230	12.5/450	F	49	1300/1150/1050	F3MC7316
CSD 280 4P-1 3SY	2590	585	550	1154/976/842	IP21	1	4	50	5.2/4.3/3.8	230	12.5/450	F	53	1300/1250/1150	F3MC7308
CSD 315 4P-1 3SY	2940	755	750	1736/1512/1265	IP21	1	4	50	6.5/5.5/4.9	230	20.0/450	F	54	1300/1250/1150	F3MC7324
CSD 315 6P-1 3SY	3160	395	709	855/742/494	IP21	1	6	50	4.6/3.6/2.6	230	12.5/450	F	54	950/850/750	F3MC7309

IP44 & IP55 Motor Models

Model	Max Q (m³/h)	Max Ps (Pa)	Motor Installed Power (W)	Maximum Motor Input Power (W)	Motor Protection	Phase	Pole	Hz	Maximum Current (A)	Voltage (V)	Capacitor (µF/V)	Insulation Class	Lp (A) at 3m free discharge (dB (A))*	Speed (RPM)	Motor Model Number
CSD 200 4P-1 1SC	800	221	165	210	IP44	1	4	50	0.9	230	7.5/450	F	49	1440	F3MC7317
CSD 225 4P-1 1SC	1005	376	245	306	IP44	1	4	50	1.4	230	7.5/450	F	49	1380	F3MC7315
CSD 250 4P-1 3SC	1765	533	350	673/493/356	IP44	1	4	50	2.8/2.2/1.6	230	12.5/450	F	49	1350/1270/1150	F3MC7316
CSD 280 4P-1 3SC	2160	672	550	854/707/649	IP44	1	4	50	3.8/3.1/2.9	230	12.5/450	F	53	1350/1270/1150	F3MC7308
CSD 315 6P-1 3SC	2630	397	709	713/537/381	IP44	1	6	50	3.8/2.8/1.9	230	12.5/450	F	55	940/830/750	F3MC7309
CSD 355 6P-3 1SC	4380	453	1100	2205	IP55	3	6	50	3.1	400	-	F	55	950	MK270C
CSD 400 6P-3 1SC	7045	533	1500	3162	IP55	3	6	50	5.2	400	-	F	55	910	MK280C

- Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Lp(A) at 3m free discharge dB(A) levels are not licensed by AMCA International.

Dimension

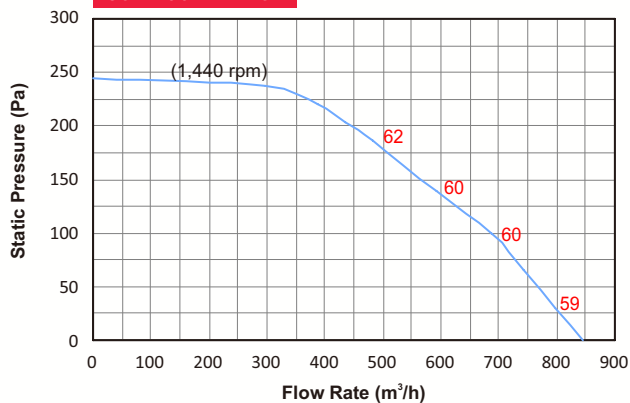


Model	A	B	C	D	E	F	G	Wt(kg)
CSD 200	400	200	500	431	232	459	260	15
CSD 225	500	250	542	531	282	559	310	19
CSD 250	500	300	562	531	332	559	360	22
CSD 280	600	300	682	631	322	659	360	30
CSD 315	600	350	717	631	382	659	410	42
CSD 355	800	400	800	831	432	859	460	45
CSD 400	800	500	882	831	532	859	560	55

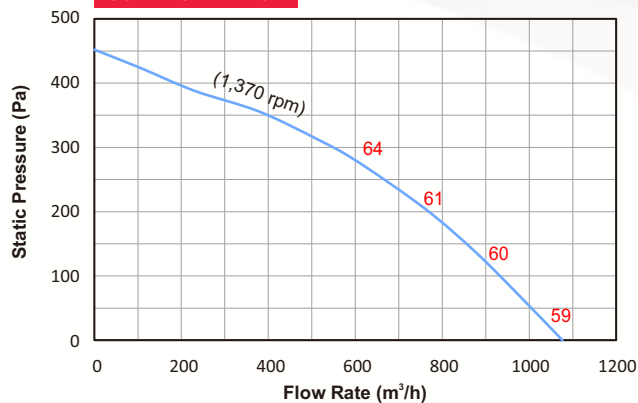
All dimension in mm.

Performance Data

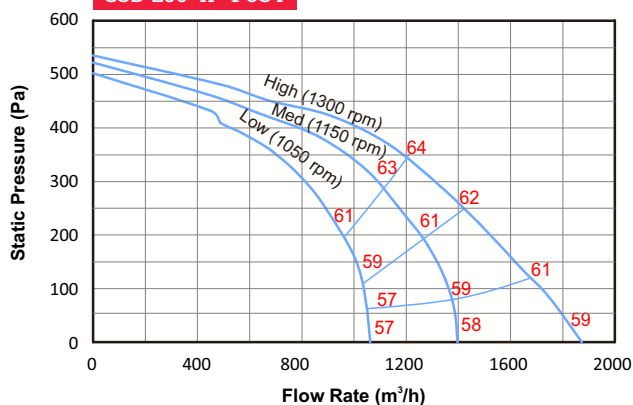
CSD 200 4P-1 1SY



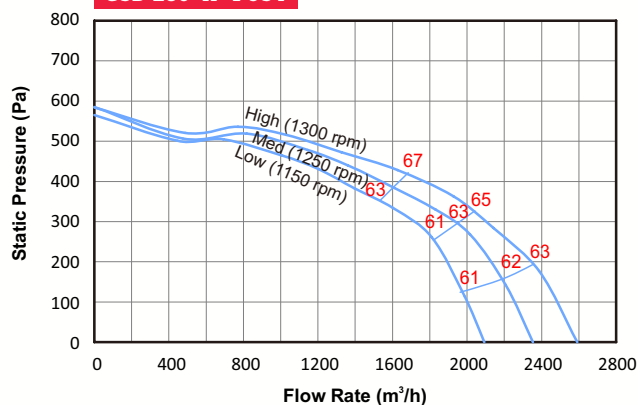
CSD 225 4P-1 1SY



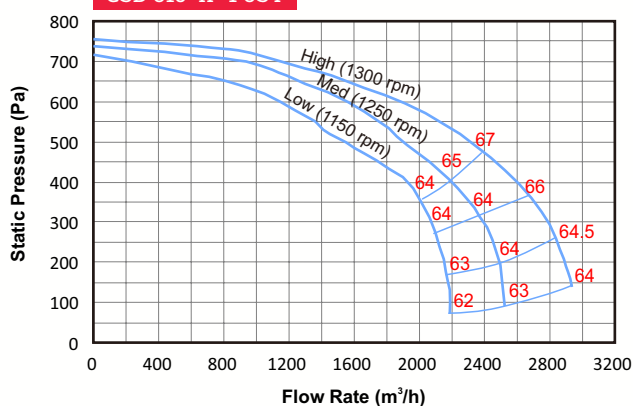
CSD 250 4P-1 3SY



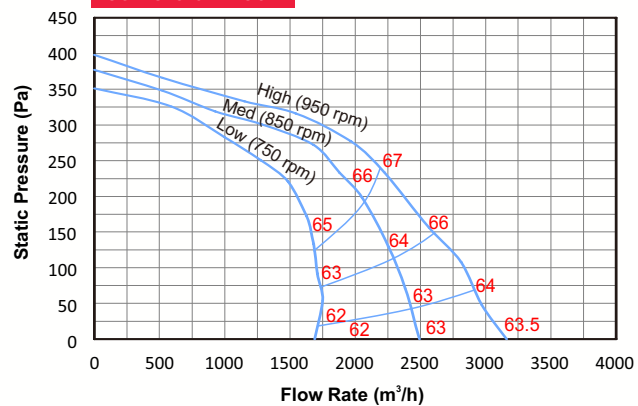
CSD 280 4P-1 3SY



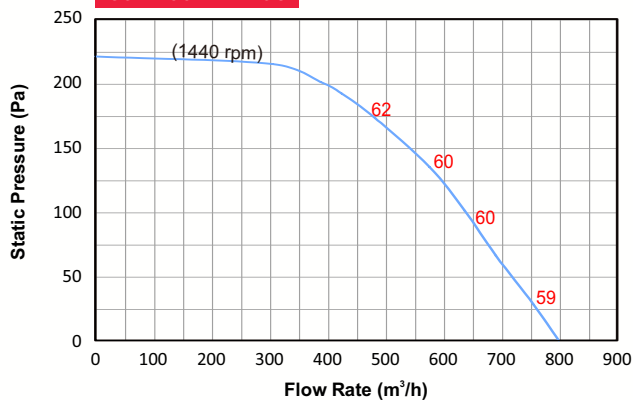
CSD 315 4P-1 3SY



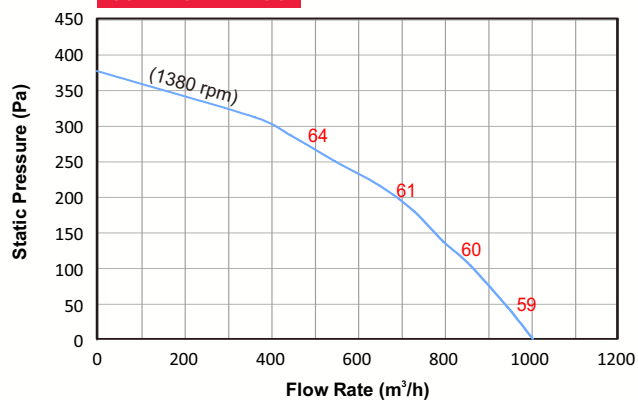
CSD 315 6P-1 3SY



CSD 200 4P-1 1SC

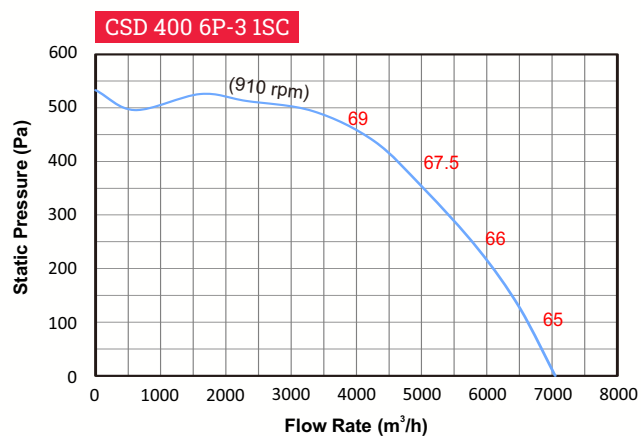
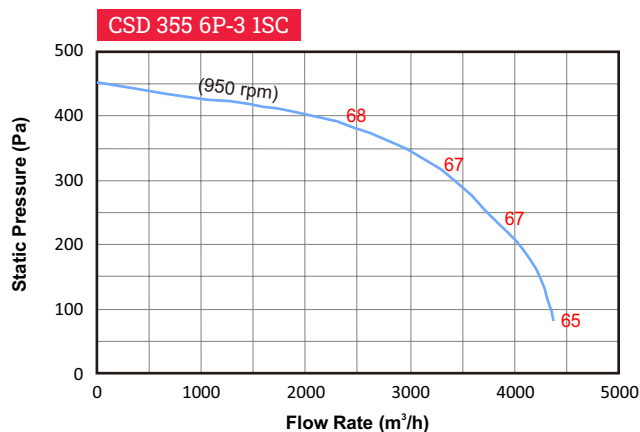
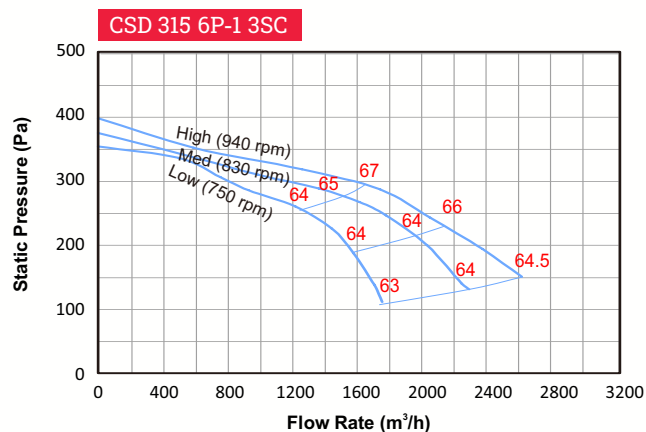
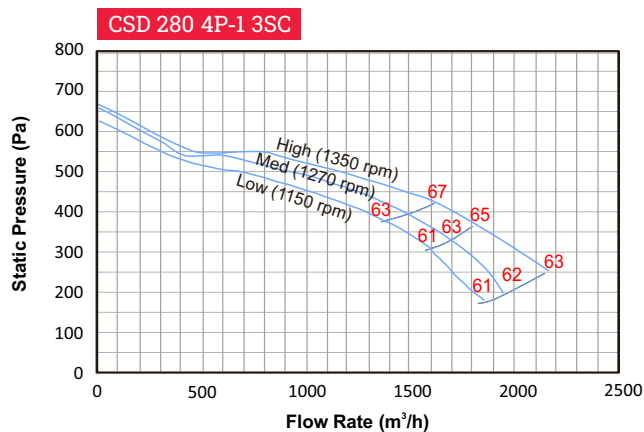
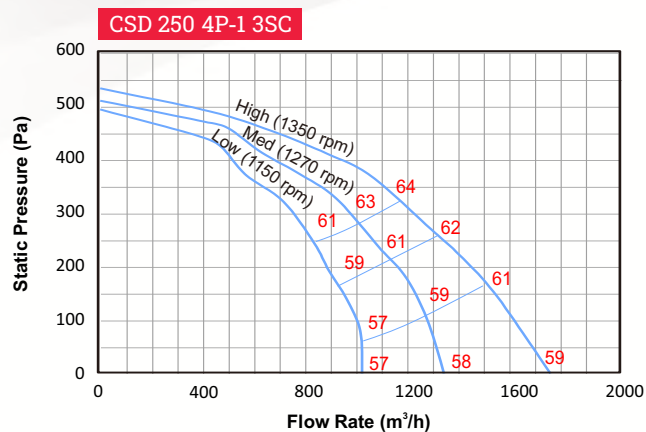


CSD 225 4P-1 1SC



- The AMCA Certified Ratings seal applies to air performance only.
- Sound pressure level Lp(A) at 1m free field.
- Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance Data



- The AMCA Certified Ratings seal applies to air performance only.
- Sound pressure level $L_p(A)$ at 1m free field.
- Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.

KRUGER Ventilation Group

THAILAND (Regional Head Quarter)

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

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: kgv@krugervfan.com.cn

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: ktj@krugerfan.com.cn

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

INDONESIA

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

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

SINGAPORE

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

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

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@sandpkruiger.com.au

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: ksh@krugerfan.com.cn

CHINA (WUHAN)

WUHAN KRUGER VENTILATION CO. LTD.
No. 805, Huian Ave, Dongxihu District, Wuhan,
Hubei, P.R. China 430040
Tel: +86 27- 83248840
Fax: +86 27- 83261886
Email: kwv@krugerfan.com.cn

INDIA

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

PHILIPPINES

KRUGER M & E INDUSTRIES CORPORATION
B3 Welborne Industrial Park Bancal Carmona Cavite
4116, Philippines
Tel: +63-2-7 6223260 * +63-46 4129652
HP: +63 925 8018444
Email: mktg@krugerp.net

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



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

CAT054.E1 March 2026

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