



CSD Series Cabinet Fan

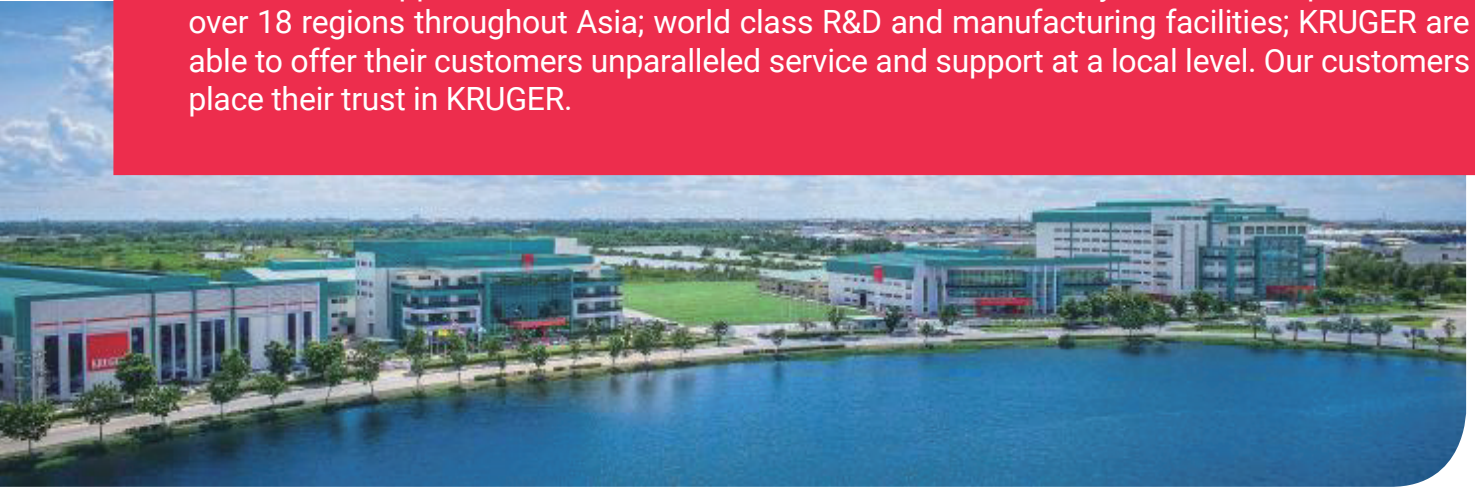
Duct Inline Centrifugal Cabinet Fan



✕ 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 Duct 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

Special in-line horizontal installation design offers the best solution for congested and **low height** sub-ceiling environment.



Low noise

Low rotation fan speed with forward curved centrifugal fan to achieve low noise level.



Easy to maintenance

CSD fan impeller is directly mounted to motor shaft, eliminate the loss due to drive transmission, require less fan parts and less maintenance.

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



Kruvent Industries (M) Sdn. Bhd. 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 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

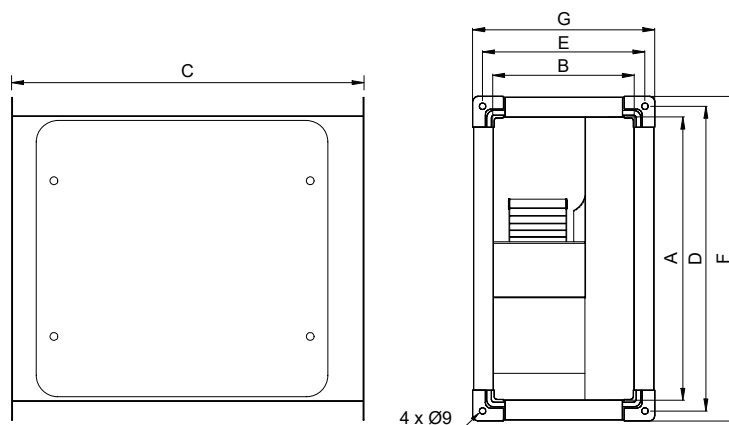
Model	Max Q (m³/h)	Max Ps (Pa)	Motor Installed Power (W)	Maximum Motor Input Power (W)	Motor Protection	Phase	Pole	Hz	Maximum Current (A)	Voltage (V)	Capacitor (µF/V)	Insulation Class	Lp (A) at 3m free discharge (dB (A))*	Speed (RPM)	Motor Model Number
CSD 200 4P-1 1SY	845	245	165	222	IP21	1	4	50	0.9	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.

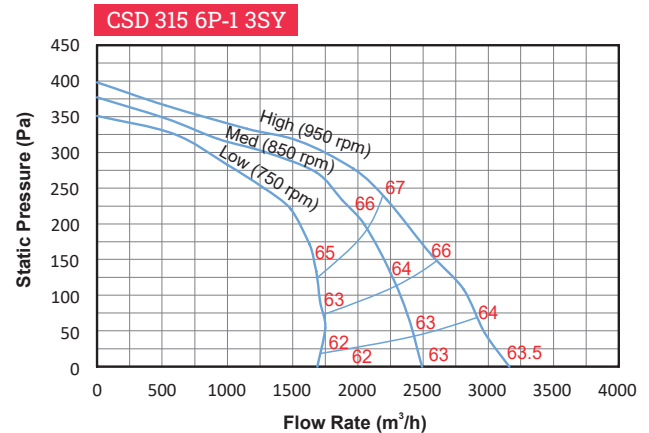
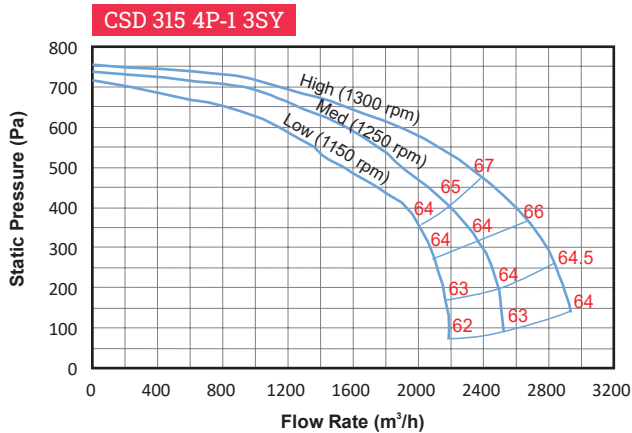
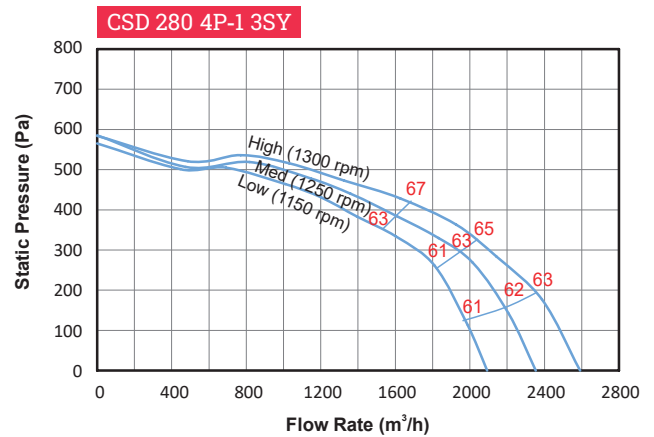
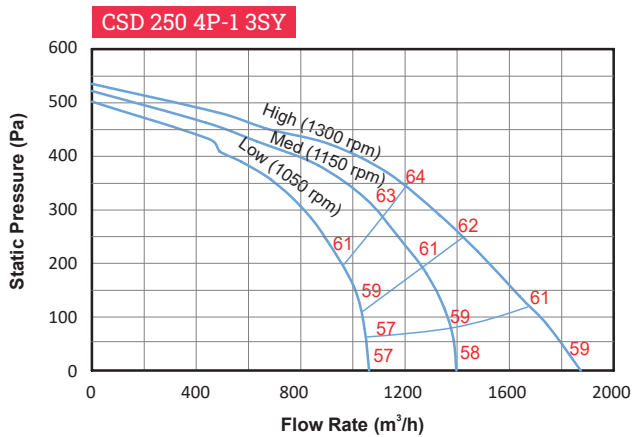
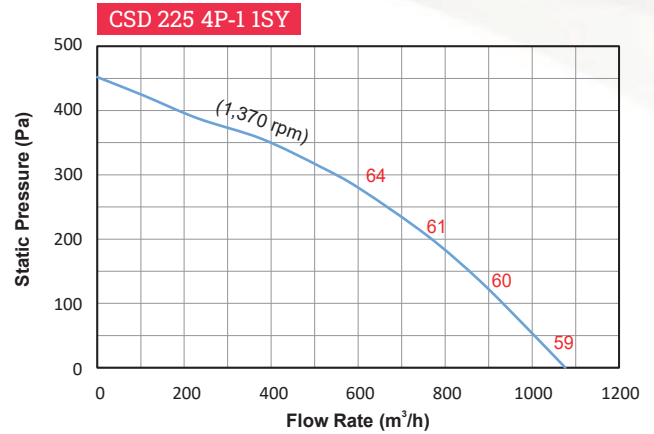
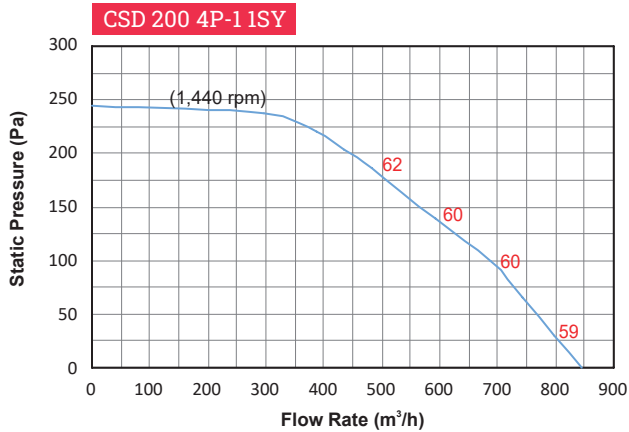
Dimension



Model	A	B	C	D	E	F	G	Wt(kg)
CSD 200	400	200	500	438	238	470	270	15
CSD 225	500	250	542	538	288	570	320	19
CSD 250	500	300	562	538	338	570	370	22
CSD 280	600	300	682	638	338	670	370	30
CSD 315	600	350	717	638	388	670	420	42
CSD 355	800	400	800	838	438	870	470	45
CSD 400	800	500	882	838	538	870	570	55

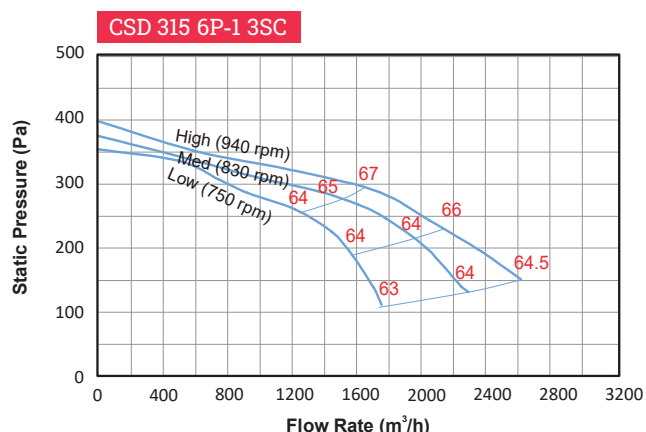
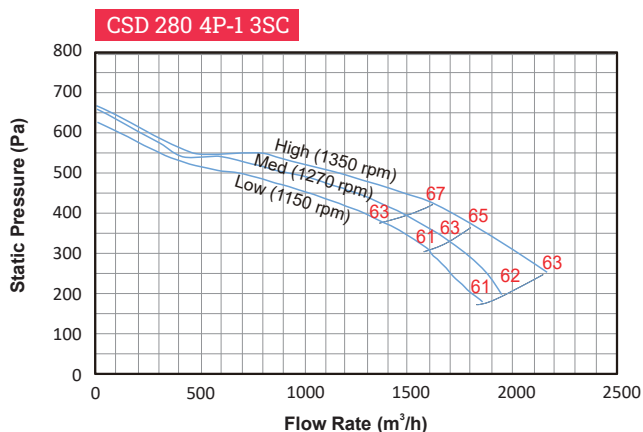
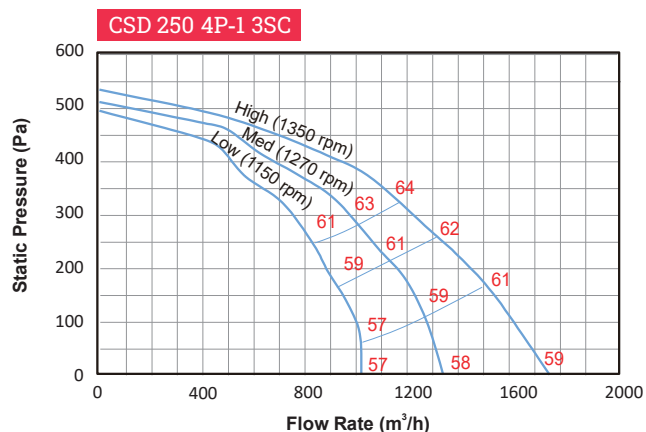
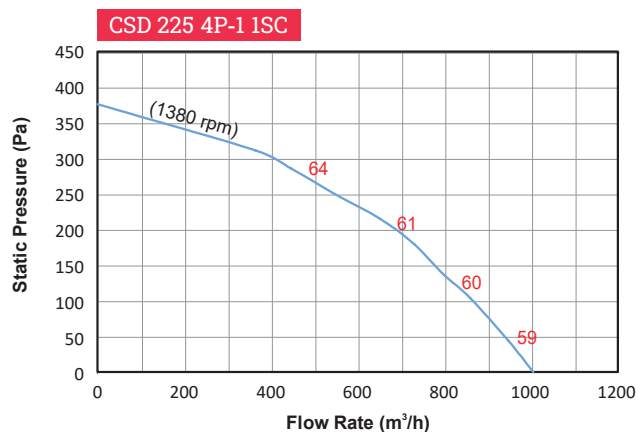
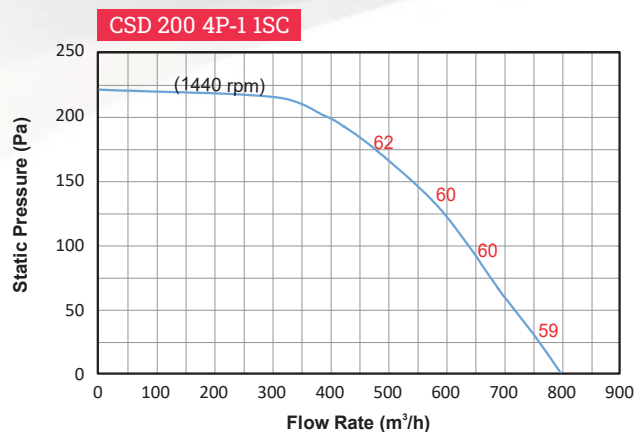
All dimension in mm.

Performance Data - IP21 Motor Models

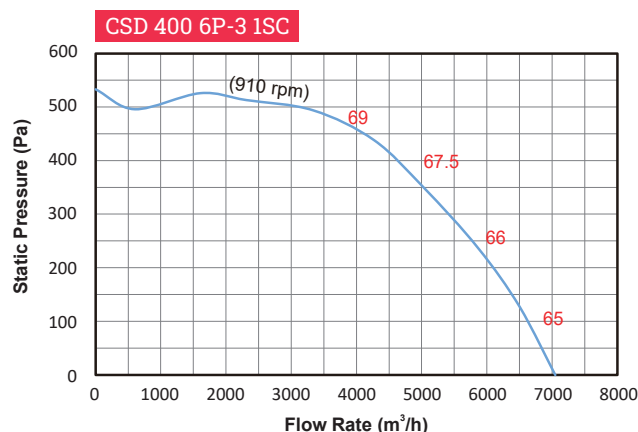
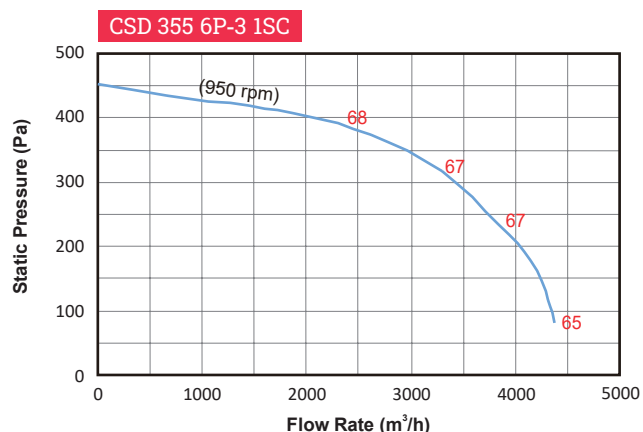


- The AMCA Certified Ratings seal applies to air performance only.
- Sound pressure level $L_p(A)$ at 1m free field.
- Performance certified is for installation type D – Ducted inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is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

Performance Data - IP44 Motor Models



Performance Data - IP55 Motor Models



- 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.

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A member of

