



Dae Ryun Ind. Co., Ltd.

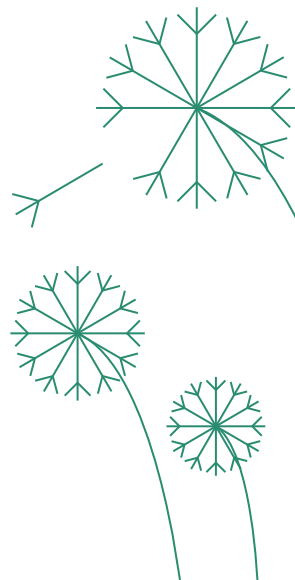
DR Fan&Blower Electric Motor



General Products Catalogue

Frequency : 50Hz

V01





Daeryun Industry Co., Ltd.

In accordance with KS Q ISO/IEC 17025:2006

Authorized by **KOLAS**



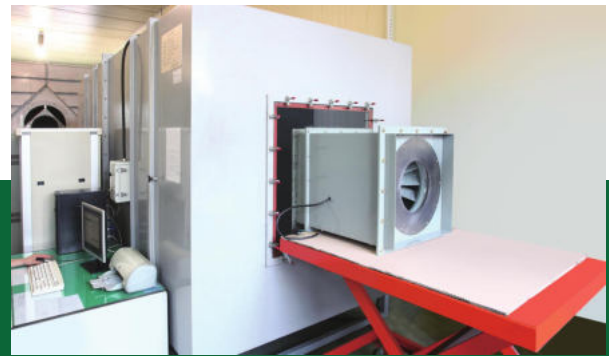
Accredited as certified international test achieved agency (KT816)

■ Wind tunnel test equipment



Large Wind Tunnel Test Equipment

Maximum 1,300X1,200 (mm)	Range of Wind Volume	1,800~150,000CMH
	Static Pressure Range	0~300mmAq
	Connectable Duct Size	Maximum 1,300X1,200mm

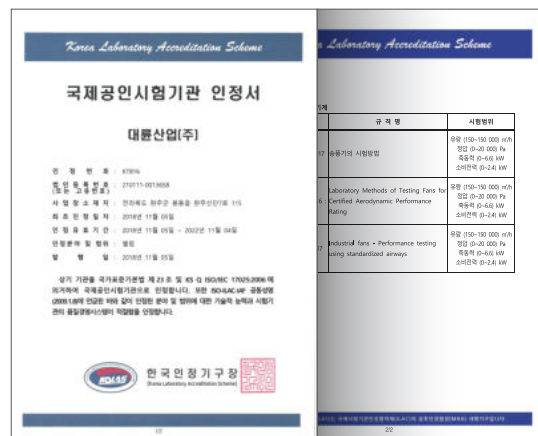


Small Wind Tunnel Test Equipment

Maximum 790X790 (mm)	Range of Wind Volume	150~12,000CMH
	Static Pressure Range	0~100mmAq
	Connectable Duct Size	Maximum 790X790mm

Test Range

Flow Rate 150~150,000m³/h	Static Pressure 0~20,000Pa	Axial Force 0~6.6kW	Power Consumption 0~2.4kW
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■ Application Procedure of Wind Tunnel Test

- ① Consultations on Test (Visit or Telephone)
- ② Filling out the Application Form (E-mail or Fax)
- ③ Sending Quotations
- ④ Tax Invoices Issuance and Payment
- ⑤ Products Delivery
- ⑥ Analysis for Wind Tunnel Test
- ⑦ Review the Draft of Test Certificate
- ⑧ Sending Reports & Test Certificates
- ⑨ Collection & Disposal of Product Samples



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DR History



- 1994 04 Establishment of Daeryun Industry Co., Ltd.
- 1997 07 ISO 9002 Certification (Korean Standards Association)
- 2001 12 Enrollment of Practical Application for Ventilation System
- 2002 03 Completion of Plant 2 and relocation of headquarters (Current location)
- 09 ISO 9001 Certification (Korean Standards Association)
- 12 Patent registration for fan cases for ducts
- 2003 02 Patent registration for pest control system
- 05 Best of KOREA Project Selection (Small and Medium Business Corporation)
- 05 Selection of promising small and medium-sized enterprises (No. 13 in Jeollabuk-do)
- 06 World's First Development of Drum Heat Exchanger
- 07 Enrollment of Practical Application of Ventilation System
- 2004 02 Selection of Export-Important Projects for the second consecutive year (Small and Medium Business Administration)
- 02 Granting an auditor's plaque for paying model local taxes (Governor of North Jeolla Province)
- 05 2004 Selection of Green Energy Excellence Companies (Hankook Ilbo)
- 06 Chinese Patent Registration for Heat Exchanger
- 06 Enrollment of Practical Application for Heat Exchanger
- 2005 06 Acquiring a certificate of confirmation for venture companies (Small and Medium Business Administration)
- 07 Patent registration for heat exchanger
- 2006 06 U.S. Patent Registration for Heat Exchanger
- 2007 05 Identification of Innovative Small Business (INNO-BIZ) (Small and Medium Business Administration)
- 05 Registering machine facility construction (Registration: 2007-12-01)
- 07 Join the Korea Facility Construction Association (member number: 35-2007-0012)
- 2009 01 Patent registration for heat exchanger in Japan
- 2010 04 Establishment of Corporate Research Institute (Korea Industrial Technology Promotion Association)
- 2011 02 Join the Korean Product Safety Association (No. 1448)
- 2012 03 Transfer of new central business establishment (Hwasong, Gyeonggi Province)
- 2013 03 Lee Ju-hyeop's inauguration as CEO
- 05 KS Corporate Excellence Award (Korea Standards Association)
- 2014 01 Registration of agricultural ventilation systems (Korea Agricultural Machinery Industry Cooperative)
- 01 Patent registration for high-speed multi-stage fans
- 2015 06 Selection of export prospects for small and medium-sized enterprises Ministry of Small and Medium Business
- 12 Sign up for AMCA membership
- 2016 06 2016 Korea Product Innovation Awards-Korea Standards Association
- 06 Quality Management of Jeollabuk-do 'Winner of Excellence Award' (Jeonbuk-Korea Standards Association)
- 2017 06 2017 Korea Product Innovation Awards-Korea Standards Association
- 07 Designation of small and medium-sized enterprises for export (Jeonbuk Regional Small Business Administration)
- 08 2017 Choosing an Employment Excellence Company in North Cholla Province (Jeonbuk Branch)
- 11 Product Safety Day Industrial Packaging Award
- 2018 04 Design registration for ventilation system
- 06 Selection of Star Companies in Jeollabuk-do
- 07 Patent registration for air circulation fan
- 11 Accreditation of KOLAS-accredited testing agency

DR Certification status



Accredited as
KOLAS-authorized Test
Achieved Agency



Certificate of Domestic Patent



Certificate of
International Patent



Certificate of Utility
Model Registration



Certificate of Design
Registration



Certificate of Quality
Certification
(Q-Mark)



Certificate of
Corporate Affiliated
Research Institute



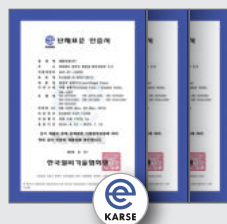
Certificate of Quality
Management System
(ISO9001)



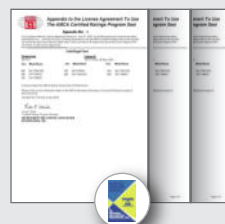
Small and Medium Sized
Enterprises with
technological innovation
(from INNO-BIZ)



Certificate of KS



Certificate of KARSE



Certificate of AMCA



Certification of
Self-control Safety Verification



Certificate of PSE



Certificate of CE



Certificate of High Efficiency Energy
Material and Equipment



Certificate of
Electrical Appliances Safety
(EK-Mark)

Small Sirocco Fan

■ Feature

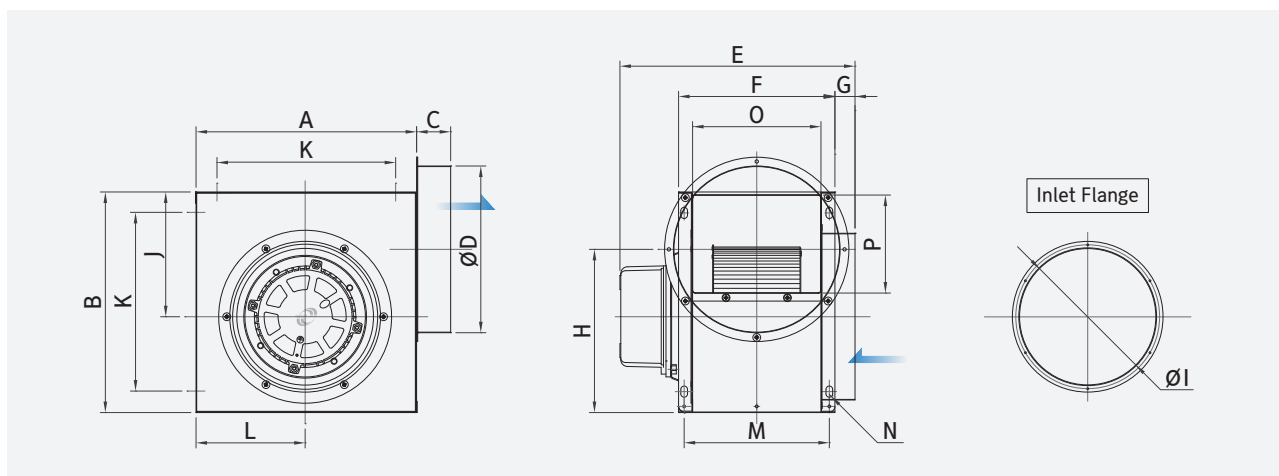
- Minimized noise by application of low-noise type fan casing
- Ease of handling and installation through miniaturization and weight lightening by application of direct-coupled fan and motor
- Ease of inspection and maintenance by application of separable fan and motor in installed state
- Enhanced workability by application of outward form in square-shaped structure
- Maximized heat release of motor by application of motor casing in aluminum alloy

* DR-G25DSA : official approval from FATC
(Foundation of Agriculture Tech Commercialization & Transfer)

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP42 motor
- Class B insulation



■ Drawing



■ Dimension

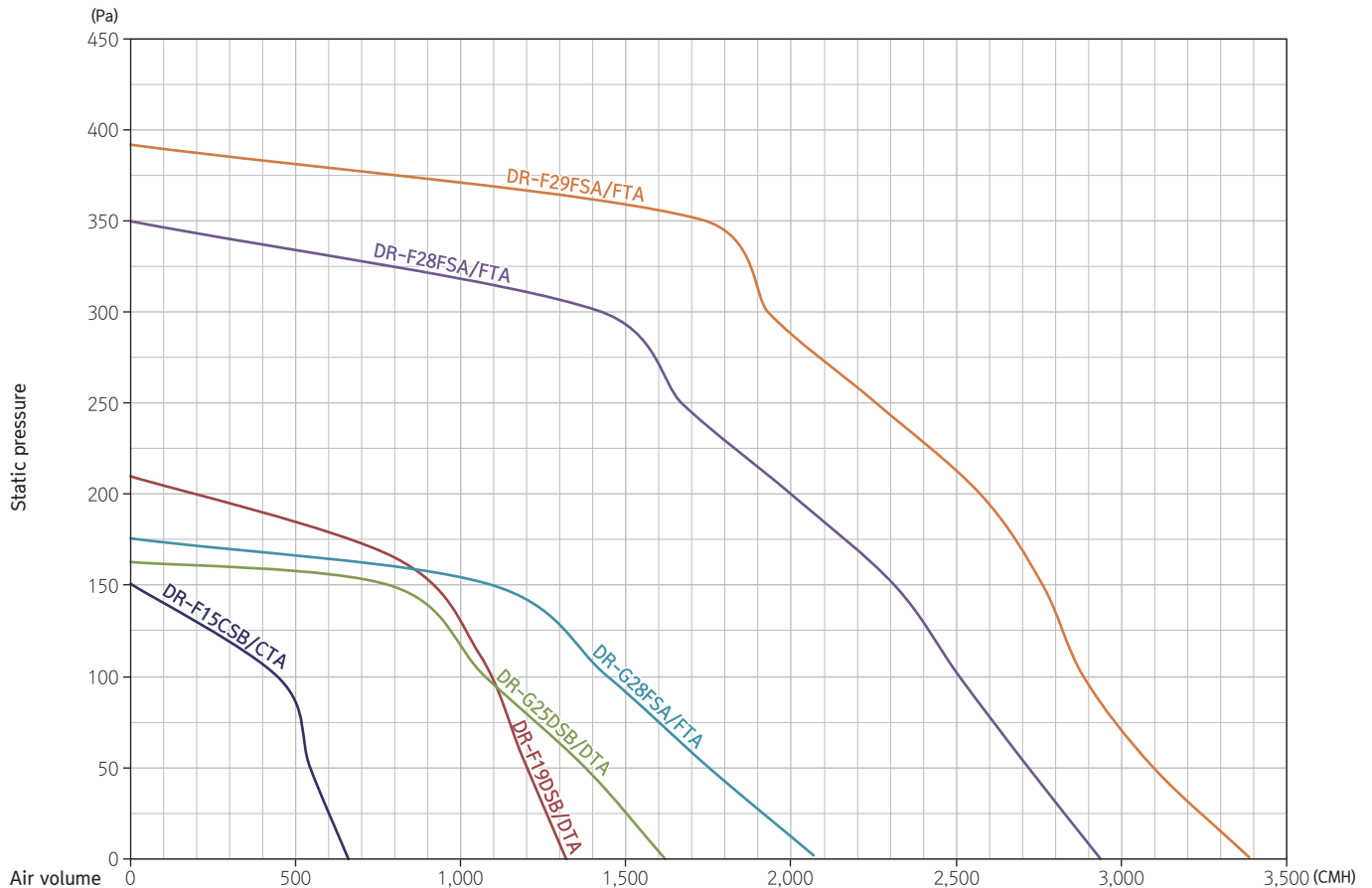
(Unit:mm)

MODEL No.	A	B	C	ØD	E	F	G	H	ØI	J	K	L	M	N	O	P	Duct
DR-F15CSB/CTA	240	240	40	149	247	165	22	181	149	123	170	123	146	10×12	125	95	Ø150
DR-F19DSB/DTA	300	300	50	199	315	185	30	215	199	150	240	150	165	10×16	140	135	Ø200
DR-G25DSB/DTA	380	380	50	249	350	225	25	275	249	190	300	190	205	12×20	175	175	Ø250
DR-F28FSA/FTA	395	395	50	249	375	250	25	302	249	195	320	195	230	12×20	200	175	Ø250
DR-G28FSA/FTA			60	299	415	280	35	292	299				260				
DR-F29FSA/FTA																	Ø300

■ Use

- HVAC system (ventilation, air-conditioning, heated and cool air blowing, and air supply and exhaust system) for buildings, apartments, underground shopping centers, factories, warehouses, etc)
- Assembly of various sorts of devices, and component cooling system : transformers, dryers, rectifiers, etc

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-F15CSB	660	151	1	220	4	103	0.4	1,390	51	6.5
DR-F15CTA			3	380			0.2/0.1	1,300		
DR-F19DSB	1,320	210	1	220	4	260	1.5	1,400	53	11
DR-F19DTA			3	380			0.9/0.5	1,420		
DR-G25DSB	1,620	163	1	220	6	380	1	950	54	21
DR-G25DTA			3	380			1/0.6	940		
DR-F28FSA C€	2,940	350	1	220	4	1,200	3.8	1,487	58	23
DR-F28FTA C€			3	380			2.12	1,492		
DR-G28FSA	2,070	176	1	220	6	525	1.15	986	56	23
DR-G28FTA			3	380			1.63	991		
DR-F29FSA	3,390	392	1	220	4	1,500	5.2	1,420	62	25
DR-F29FTA			3	380			3.8/1.8	1,380		

*The above data can be changed without notice for quality control.

High Static Pressure Sirocco Fan

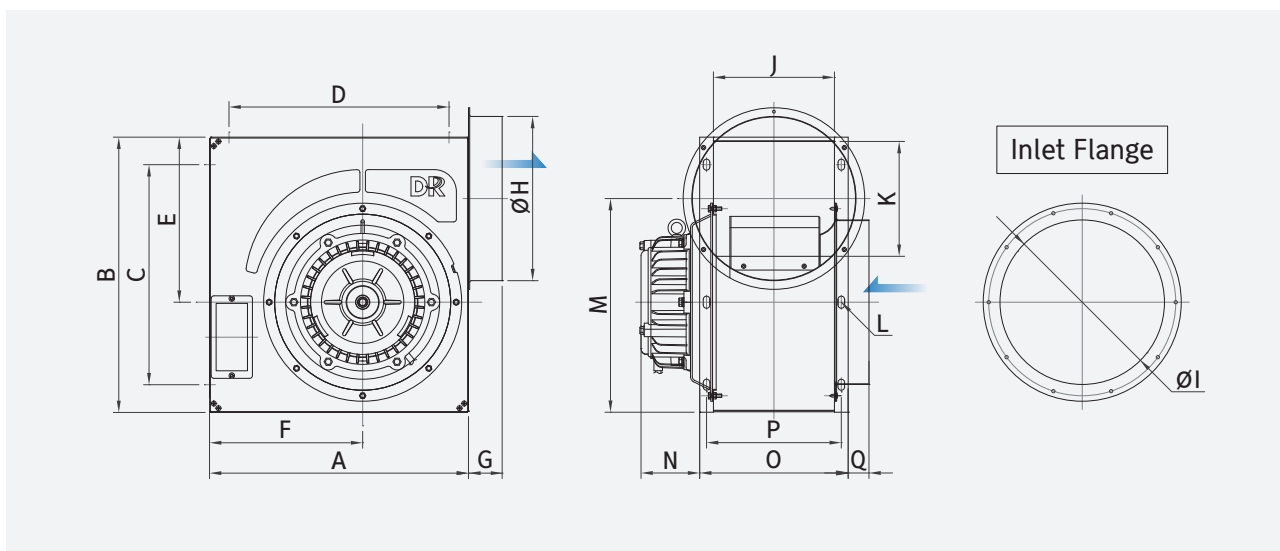
■ Feature

- Minimized noise by application of low-noise type fan casing
- Ease of handling and installation through miniaturization and weight lightening
- Realization of flowrate and static pressure in high level compared to identical products
- Ease of inspection and maintenance by application of separable fan and motor in installed state
- Maximized heat release of motor by application of motor casing in aluminum alloy for die castings

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP44 motor
- Class B insulation



■ Drawing



■ Dimension

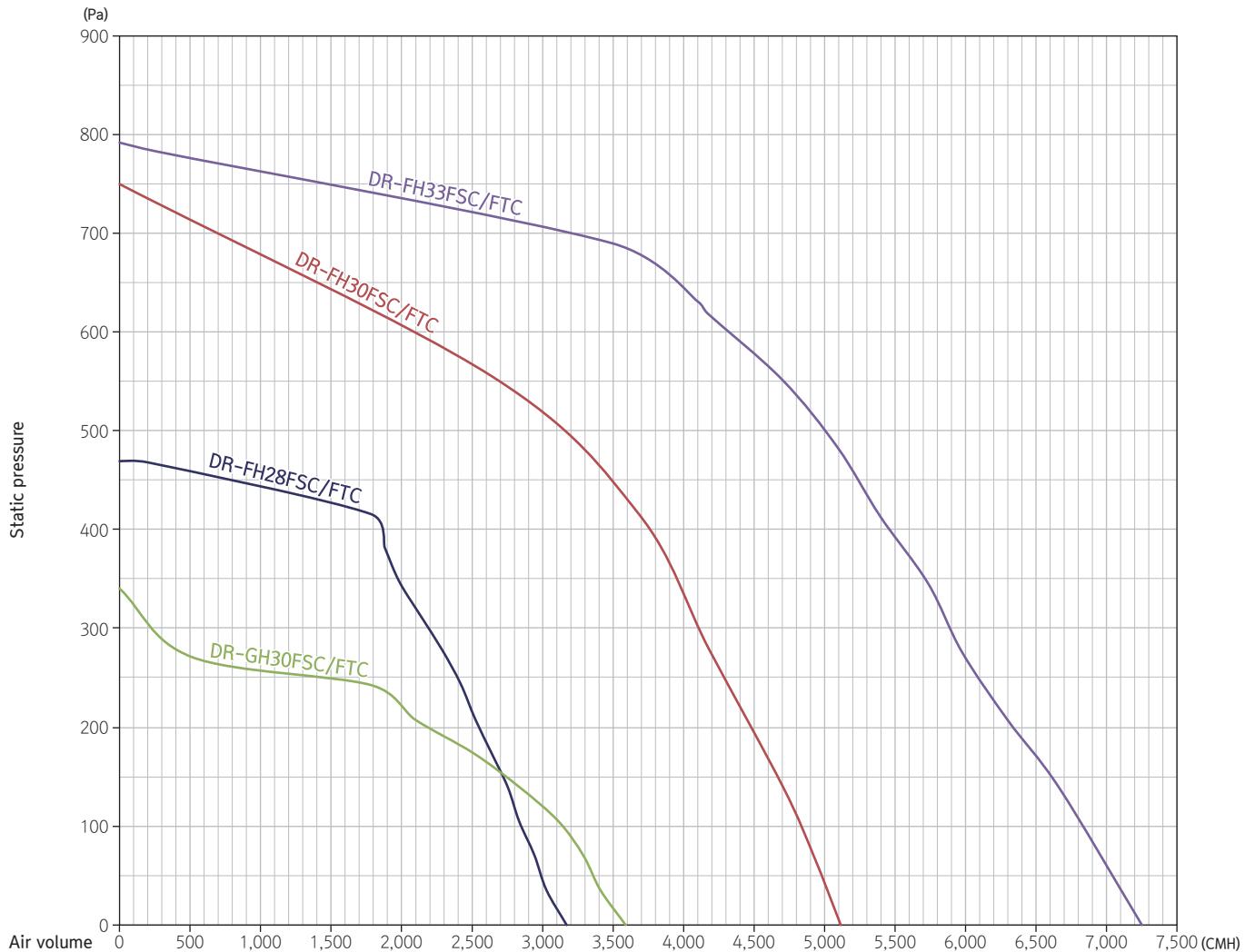
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	ØH	ØI	J	K	L	M	N	O	P	Q	Duct
DR-FH28FSC/FTC	396	395	320	320	223.4	197.5	50.2	248	248	200	175	12X20	302	84	250	230	27	Ø250
DR-FH30FSC/FTC	470.8	500	400	400	300	278.4	61.2	298.5	299	220	209	12X20	389	107	270	245	38	Ø300
DR-GH30FSC/FTC																		
DR-FH33FSC/FTC	520	604	564	460	364	282	61.2	349	349	250	217	Ø15	458	119	330	290	23	Ø350

■ Use

- HVAC system (ventilation, air-conditioning, heated and cool air blowing, and air supply and exhaust system) for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Assembly of various sorts of devices, and component cooling system : transformers, dryers, rectifiers, etc

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FH28FSC	3,180	468	1	220	4	1,000	4.6	1,480	71	23
DR-FH28FTC			3	380		990	2.85			
DR-FH30FSC	5,130	750	1	220	4	2,330	9.63	1,480	75	37
DR-FH30FTC			3	380		2,610	3.98			
DR-GH30FSC	3,600	340	1	220	6	750	3.3	1,020	68	37
DR-GH30FTC			3	380		690	1.3			
DR-FH33FSC	7,270	790	1	220	4	3,400	12.1	1,480	79	54
DR-FH33FTC			3	380		3,460	6.9			

*The above data can be changed without notice for quality control.

Large Sirocco Fan

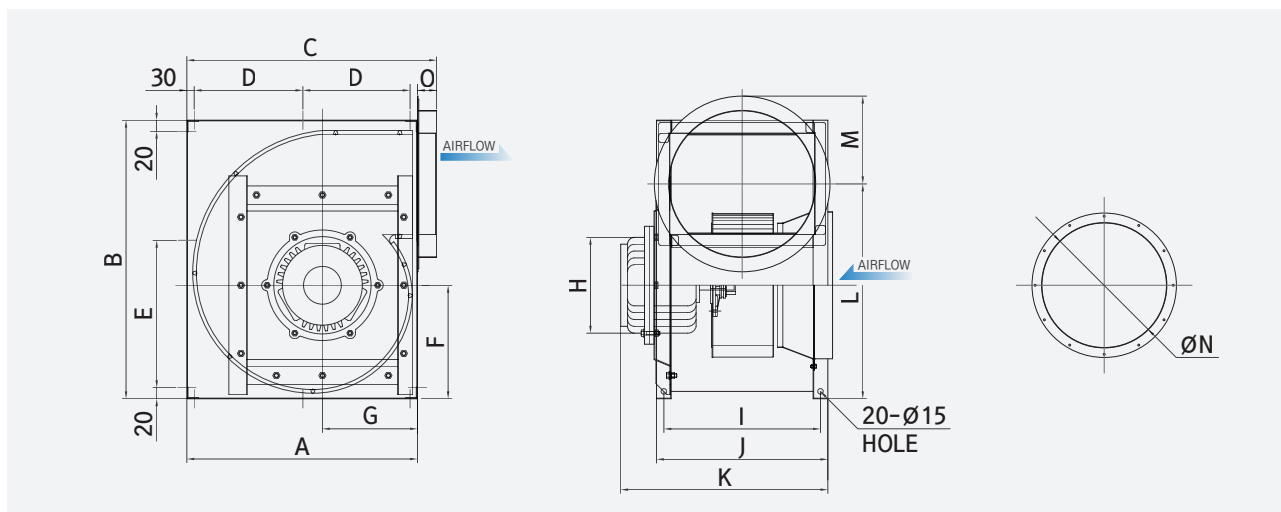
■ Feature

- Minimized noise by application of low-noise type fan casing
- Ease of handling and installation through miniaturization and weight lightening by application of direct-coupled fan and motor
- Realization of flowrate and static pressure in high level compared to identical products
- Ease of inspection and maintenance by application of separable fan and motor in installed state
- Maximized heat release of motor by application of motor casing in aluminum alloy for die castings
- Available for manufacture of air intake in the opposite direction (blade in reverse)
- Available for make-to-order in stainless-steel type

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP44 motor
- Class B insulation



■ Drawing



■ Dimension

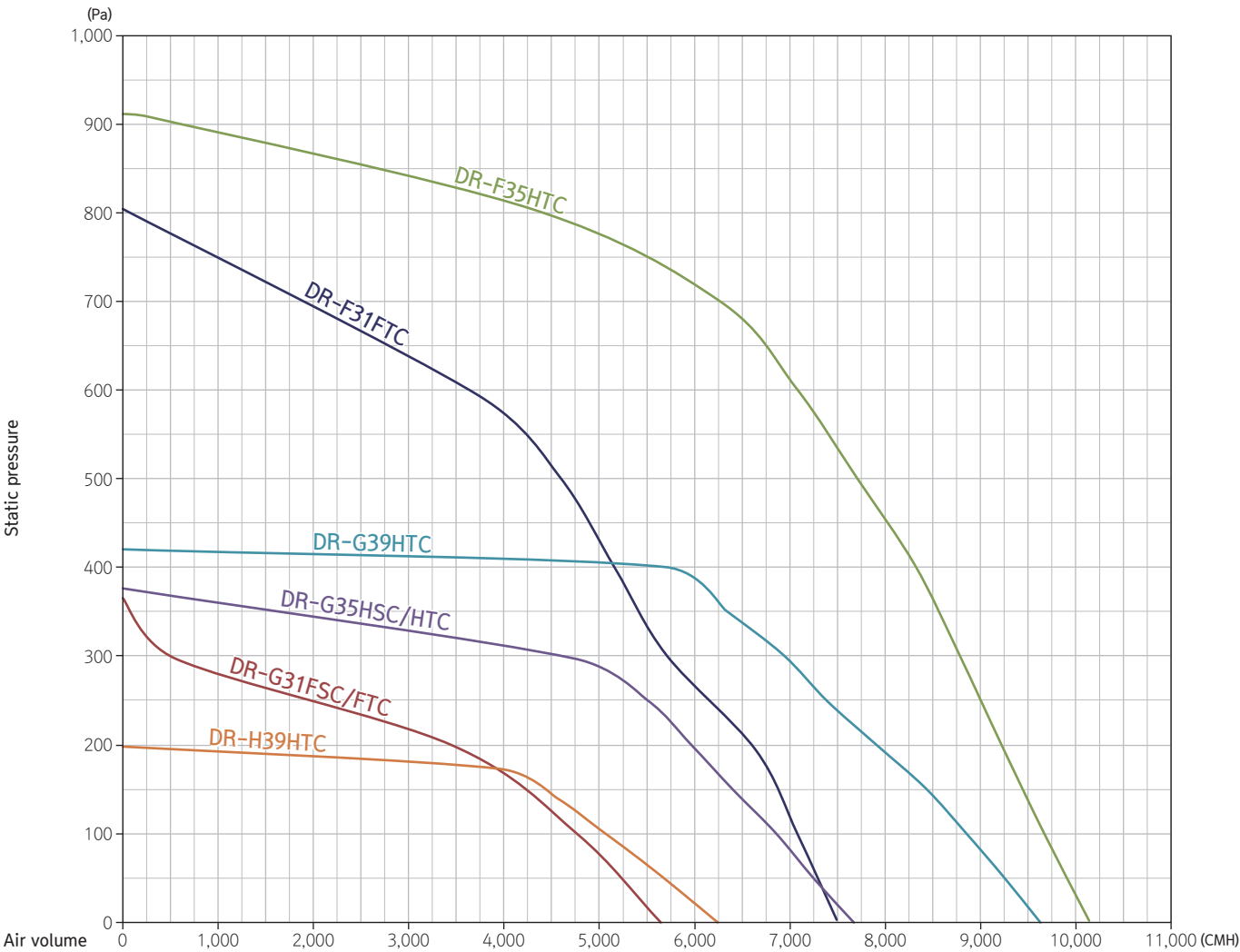
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Duct
DR-F31FTC	520	604	580	230	311	240	230	197	335	415	477	459.3	180	299	60	300
DR-G31FSC/FTC																
DR-F35HTC	573	680	643	256.5	320	263.5	250	262	392	472	575	519.3	205	349	70	350
DR-G35HSC/HTC																
DR-G39HTC/H39HTC	626	756	696	283	410	308	258	260	425	465	592	583	245	399	70	400

■ Use

- HVAC system (ventilation, air-conditioning, heated and cool air blowing, and air supply and exhaust system) for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Assembly of various sorts of devices, and component cooling system : transformers, dryers, rectifiers, etc

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-F31FTC	7,500	803	3	380	4	3,150	6.21	1,490	65	54
DR-G31FSC	5,650	365	1	220	6	1,200	3.92	990	62	48
DR-G31FTC			3	380			1.61	987		
DR-F35HTC	10,150	907	3	380	4	5,500	8.38	1,486	70	85
DR-G35HSC	7,680	376	1	220	6	2,500	7.91	983	63	60
DR-G35HTC			3	380			3.07	986		
DR-G39HTC	9,620	420	3	380	6	3,500	5.79	974	65	70
DR-H39HTC	6,220	197	3	380	8	2,000	3.47	743	61	

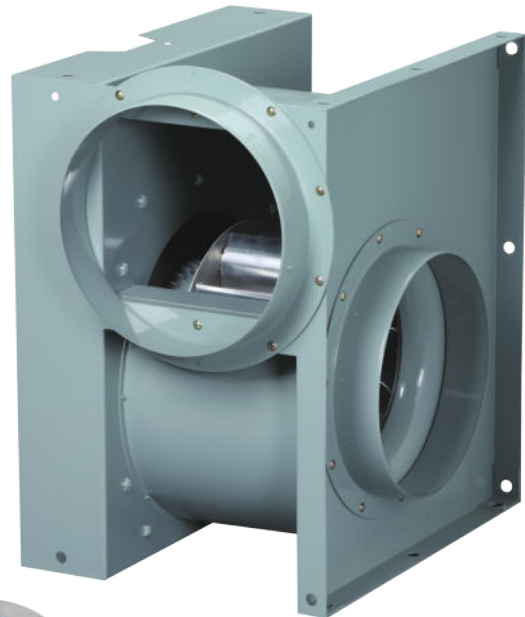
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Turbo Fan

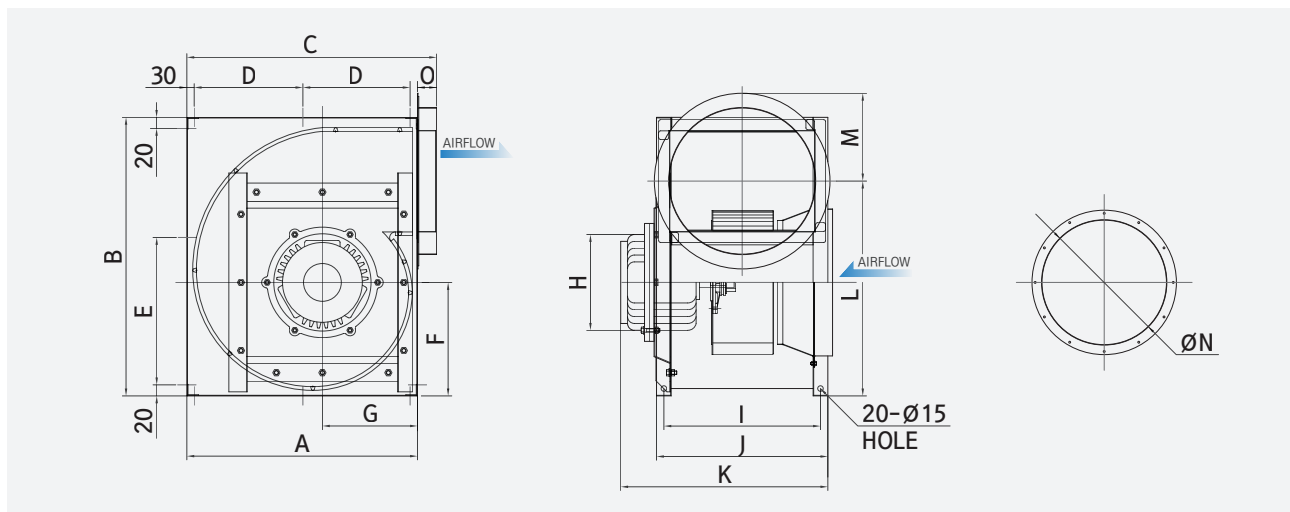
■ Feature

- Application of self-developed lightweight aluminum blade
- Minimized noise by application of low-noise type fan casing
- Ease of handling and installation through miniaturization and weight lightening by application of direct-coupled fan and motor
- Ease of inspection and maintenance by application of separable fan and motor in installed state
- Enhanced workability by application of outward form in square-shaped structure
- Maximized heat release of motor by application of motor casing in aluminum alloy
- Available for make-to-order in stainless-steel type (blade excluded)

- SPCC casing (Steel Plate Cold Commercial)
- Aluminum impeller
- IP44 motor
- Class B insulation



■ Drawing



■ Dimension

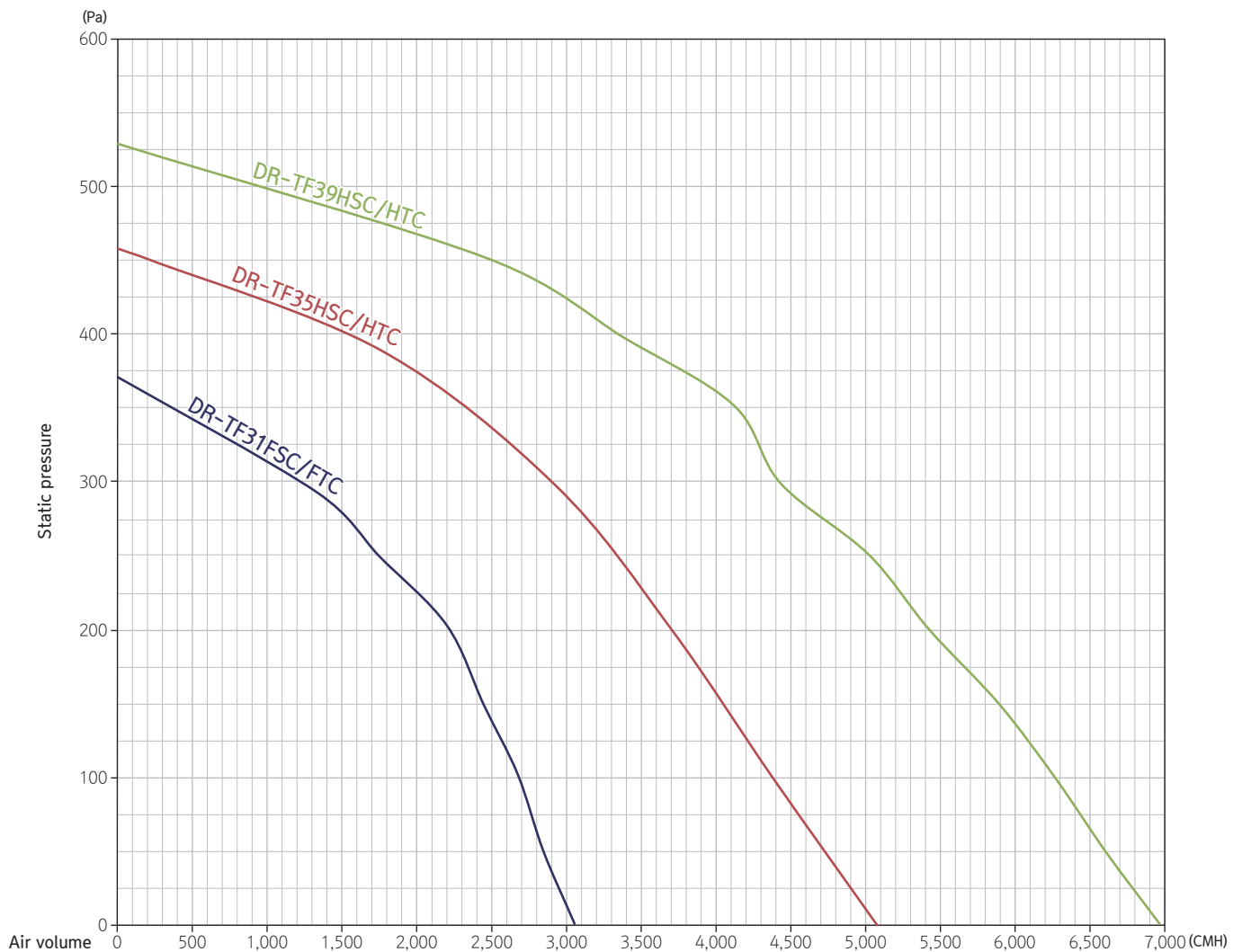
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Duct
DR-TF31FSC/FTC	520	604	580	230	311	240	230	210	335	415	477	459.3	180	299	60	300
DR-TF35HSC/HTC	573	680	643	256.5	320	263.5	250.5	210	373	433	535	519.3	210	349	70	350
DR-TF39HSC/HTC	626	756	696	283	410	308	258	260	425	465	592	583	245	399	70	400

■ Use

- Places of business where a lot of oil and dust are generated (Restaurants, lumber mills, textile processing plants, etc)
- HVAC system (ventilation, air-conditioning, heated and cool air blowing, and air supply and exhaust system) for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Assembly of various sorts of devices, and component cooling system : transformers, dryers, rectifiers, etc

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-TF31FSC	3,060	371	1	220	4	610	1.8	1,430	61	44
DR-TF31FTC			3	380			1.35	1,495		
DR-TF35HSC	5,100	458	1	220	4	1,100	4	1,458	65	54
DR-TF35HTC			3	380			3.1/2.8	1,490		
DR-TF39HSC	6,960	529	1	220	4	2,150	5.4	1,460	68	59
DR-TF39HTC			3	380			2.34	1,483		

*The above data can be changed without notice for quality control.

Smart Fan

■ Feature

- Upgrade of existing intake/exhaust fans to products with smart functions
- PSE certified by Japanese certificate authority (derivation model from Japan)
- Minimized noise and vibration by application of optimal design of integrated case
- Reduction of operational costs through design of high-efficiency motor
- Realization of low noise by application of harmless sound absorbents
- Maximized efficiency by application of plastic Sirocco fan structure
- Quick and simple process of repair and cleaning through only one-off cover removal
- Reduced time of construction with ease of installation through miniaturization
- Adjustable speed to high/low level
- Available for make-to-order in stainless-steel type

- GI casing(Galvanized Iron)

- Aluminum impeller(DRJ-F15~30SA) and Plastic impeller(DRJ-F40SA~120SD)

- IP44 motor

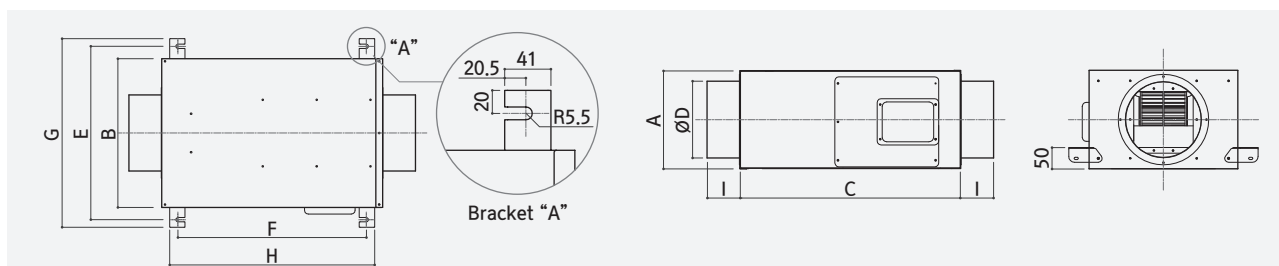
- Class B insulation



■ Use

- Ceiling type supply and exhaust only
- Building, shopping, apartment, air conditioning and general ventilation system

■ Drawing

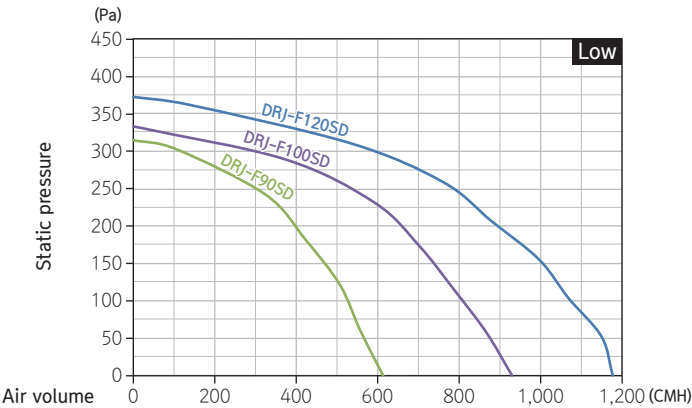
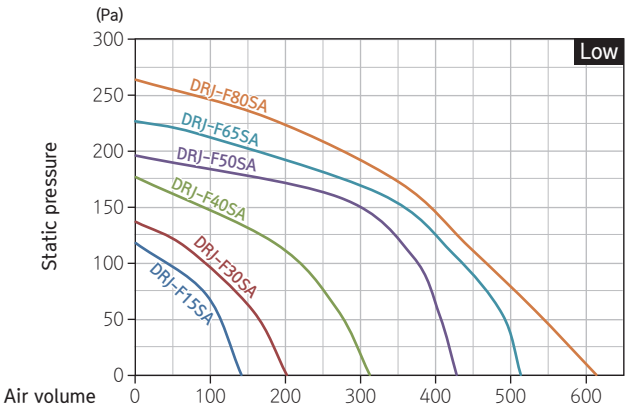
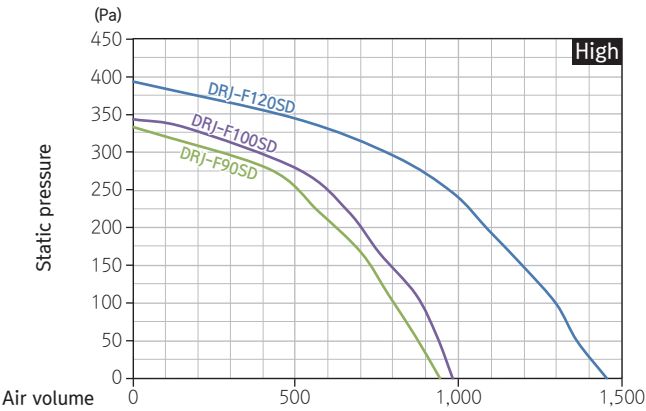
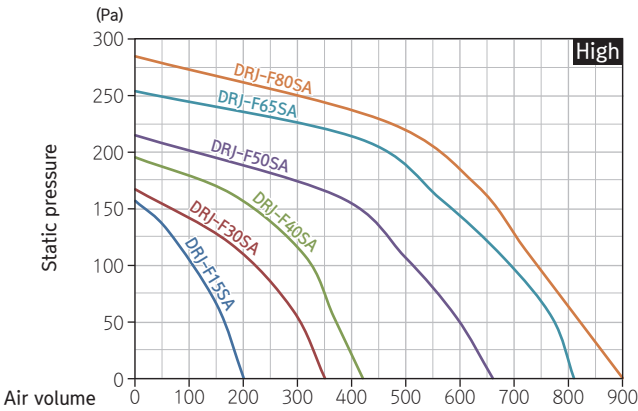


■ Dimension

(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I
DRJ-F15SA	225	285	428	98	350	393	390	434	78
DRJ-F30SA				149					40
DRJ-F40SA				149					40
DRJ-F50SA	255	387	575	199	452	540	492	581	50
DRJ-F65SA	305	435	638	192	499	603	539	644	85
DRJ-F80SA		455			519		559		
DRJ-F90SD									
DRJ-F100SD									
DRJ-F120SD	350	467	590	242	531	553	571	594	85

■ Performance curve



■ Specification

MODEL No.	Type	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (ɸ)	Volt (V)	Poles (P)	Input (W)	Noise (dB at 3m)			RPM	Weight (Kg)
								Side	Inlet	Outlet		
DRJ-F15SA	HI	200	157	1	220	4	65	20	28.5	32	1,300	8
	LO	140	118					16.5	21	23	950	
DRJ-F30SA	HI	350	167				70	23.5	36	40	1,210	8
	LO	200	137					18	26	31	800	
DRJ-F40SA	HI	420	196				65	25.5	37.5	43	1,140	11.5
	LO	310	176					21.5	33	35.5	855	
DRJ-F50SA	HI	660	215				80	24.5	36	48	1,120	12
	LO	425	196					21.5	33	42	830	
DRJ-F65SA	HI	810	255				140	28.5	36	51	1,010	17.5
	LO	510	226					23	32	44	650	
DRJ-F80SA	HI	900	284				130	31	39	52	1,248	17.5
	LO	610	264					26	35	46	835	
DRJ-F90SD	HI	960	333				150	32	39.5	55	1,225	18
	LO	620	314					30	36.5	49	815	
DRJ-F100SD	HI	1,000	343				200	33.5	42	57	1,390	18
	LO	940	333					31.5	40.5	54	1,230	
DRJ-F120SD	HI	1,465	392				250	34.5	45.5	58	1,045	20
	LO	1,190	372					33	44	55	865	

*The above data can be changed without notice for quality control.

Double Suction Straight Sirocco Fan

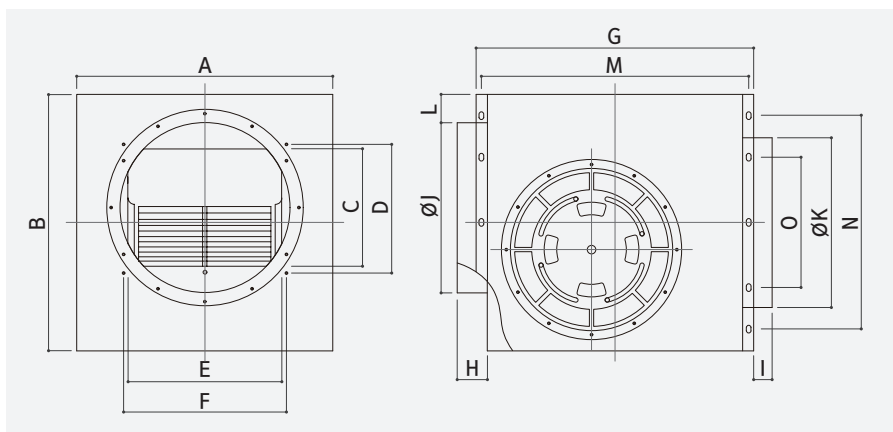
■ Feature

- Minimized noise and vibration by application of optimal design of integrated case
- Great corrosion resistance, exterior in feeling of exclusivity, and extended usable life by application of special painting on the front
- Minimized time of construction through the ease of installation
- Prevention of condensation on motor by application of air control device, and realization of extended useable motor life to the extent possible through great cooling effect
- Quick and simple process of repair and cleaning through only one-off cover removal
- Great workability as air intakes are installable unfettered from direction, and multiple suction device is also well within the bounds of practicability
- Available for make-to-order in stainless-steel type (blade excluded)

- SPCC casing
(Steel Plate Cold Commercial)
- Aluminum impeller
- IP44 motor
- Class B insulation



■ Drawing



■ Dimension

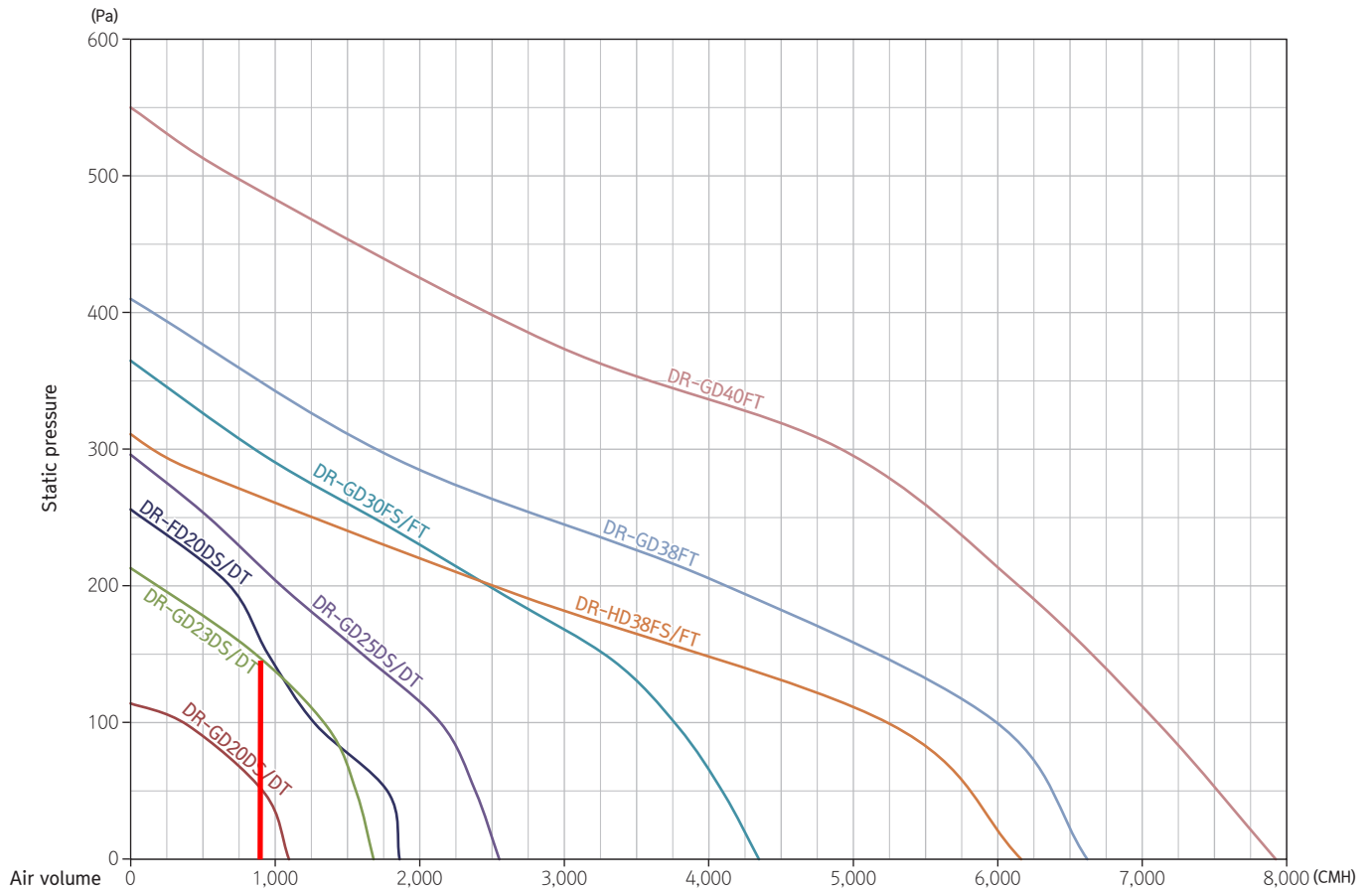
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Duct
DR-FD20DS/DT	400	400	167	190	238	264	450	50	23	249	249	38	425	300	-	Ø250
DR-GD20DS/DT																
DR-GD23DS/DT	450	450	240	255	300	320	500	60	33	298	298	56	475	350	-	Ø300
DR-GD25DS/DT	500	500	220	255	300	330	550	70	44	348	348	34	525	400	-	Ø350
DR-GD30FS/FT	600	600	270	302	360	390	650	70	44	398	398	65	625	500	-	Ø400
DR-GD38FT	700	670	355	386	380	420	750	60	34	448	448	103	725	540	250	Ø450
DR-HD38FS/FT	700	670	400	300	385	300	750	60	34	448	448	26	725	540	250	Ø450
DR-GD40FT																

■ Use

- Ventilation, air-conditioning, and air supply and exhaust system

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FD20DS	1,860	256	1	220	4	420	1.14	1,433	54	19
DR-FD20DT			3	380			1.01	1,430		
DR-GD20DS	1,080	114	1	220	6	250	0.67	962	52	19
DR-GD20DT			3	380			1.34	970		
DR-GD23DS	1,680	213	1	220	6	450	1.38	974	53	26
DR-GD23DT			3	380			1.18	983		
DR-GD25DS	2,520	296	1	220	6	900	3.36	977	54	33
DR-GD25DT			3	380			2.19	984		
DR-GD30FS	4,320	363	1	220	6	1,100	3.49	980	56	51
DR-GD30FT			3	380			1.94	979		
DR-HD38FS	6,120	311	1	220	8	1,500	7.8	740	57	66
DR-HD38FT			3	380			1.82	736		
DR-GD38FT	6,600	410	3	380	6	2,200	4.15	989	58	64
DR-GD40FT	7,920	550	3	380	6	3,500	10.84	994	60	66

*The above data can be changed without notice for quality control.

Double Suction Fan

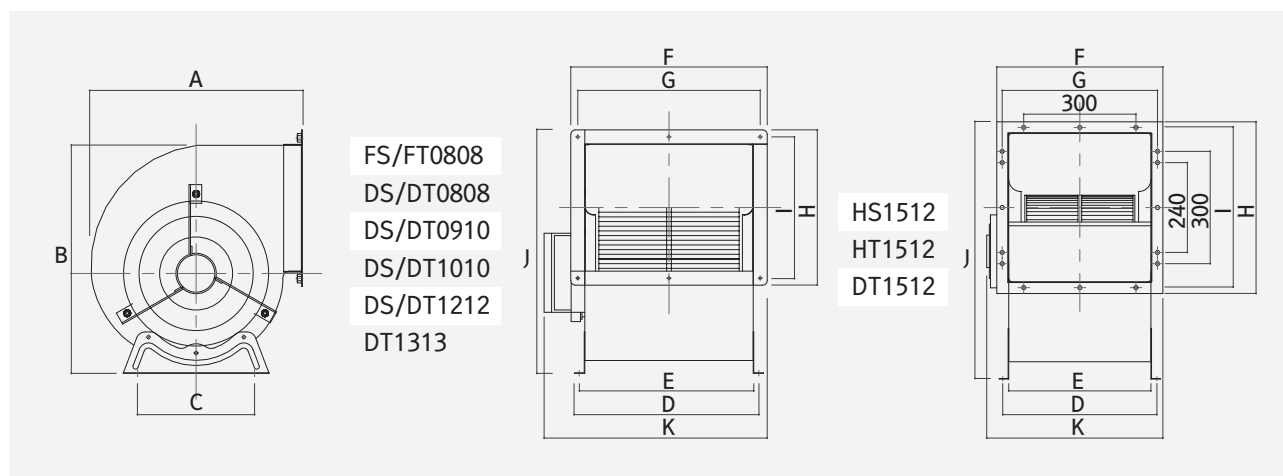
■ Feature

- Realization of low noise by application of double-suction type Sirocco blade
- Advanced durability and corrosion resistance by application of special painting on the front
- Quick and simple process of repair and cleaning through only one-off removal of integrated structure of motor and impeller
- Available for make-to-order in stainless-steel type (blade excluded)

- SPCC casing (Steel Plate Cold Commercial)
- Aluminum impeller
- IP44 motor
- Class B insulation



■ Drawing



■ Dimension

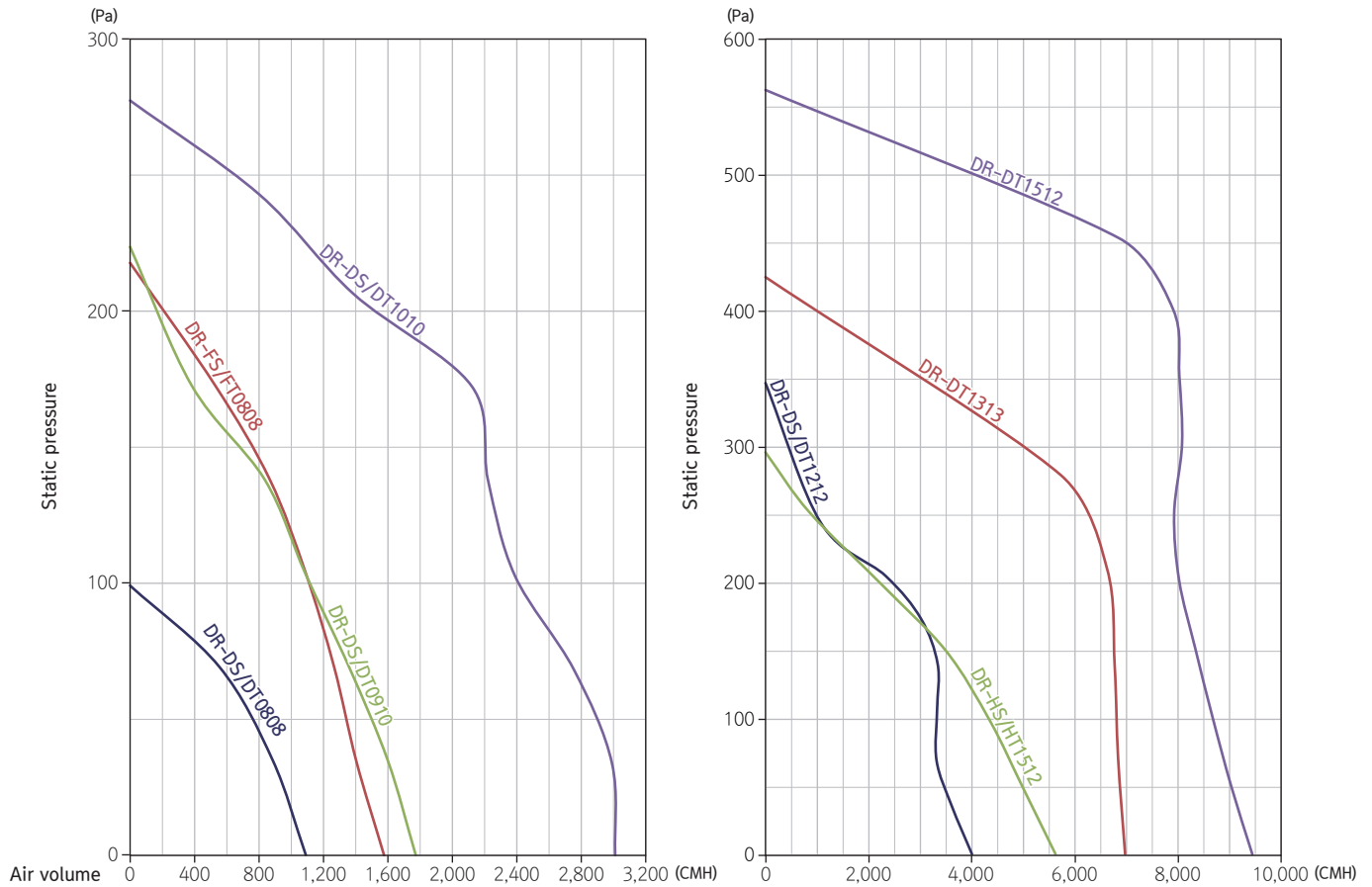
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	K	Outlet (W×H)
DR-FS/FT0808(4P)	300	319.6	200	264	238	288	264	215.2	190	332	331	238X167
DR-DS/DT0808(6P)		319.6		326	302	344	320	279	255	373	391	300X240
DR-DS/DT0910	319.6	364	250	328	303.6	360	330	280	250	435	368	300X220
DR-DS/DT1010	394	420.5		386	360	420	390	332	302	505.5	474	360X270
DR-DS/DT1212	451.1	487.5	320	420	390		420	418	386	559	527.8	390X358
DR-DT1313	492	540		410	380	443.8	415	458.8	428	672.4	507	385X400
DR-HS/HT/DT1512	572	657										

■ Use

- Air-conditioning, thermo-hygrostats, heaters, heated and cool air blowing, and ventilation system

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FS0808(4P)	1,578	219	1	220	4	420	2.1	1,420	57	14
DR-FT0808(4P)			3	380			0.9	1,440		
DR-DS0808(6P)	1,092	100	1	220	6	250	1	963	51	14
DR-DT0808(6P)			3	380			0.6	970		
DR-DS0910	1,776	225	1	220	6	450	2.2	960	55	16
DR-DT0910			3	380			0.8	960		
DR-DS1010	3,012	279	1	220	6	900	3.9	970	61	20
DR-DT1010			3	380			2.0	980		
DR-DS1212	3,996	346	1	220	6	1,100	8	970	64	30
DR-DT1212			3	380			3.4	970		
DR-DT1313	6,966	424	3	380	6	2,200	8.9	990	77	31
DR-HS1512	5,616	295	1	220	8	1,500	3.2	730		45
DR-HT1512			3	380			8.8	610		
DR-DT1512	9,426	561	3	380	6	3,500	6.4	994	84	

*The above data can be changed without notice for quality control.

Sirocco In-line Fan

■ Feature

- Minimized noise by application of low-noise type fan casing
- Ease of handling and installation through miniaturization and weight lightening by application of direct-coupled fan and motor
- Quick and simple process of repair and cleaning through only one-off cover removal
- Enhanced workability by application of outward form in square-shaped structure
- Realization of low noise and high flowrate by application of double suction type Sirocco blade
- Minimized space for installation by application of slim exterior and square-shaped duct bound structure
- Available for make-to-order in stainless-steel type (blade excluded)

- SPCC casing (Steel Plate Cold Commercial)

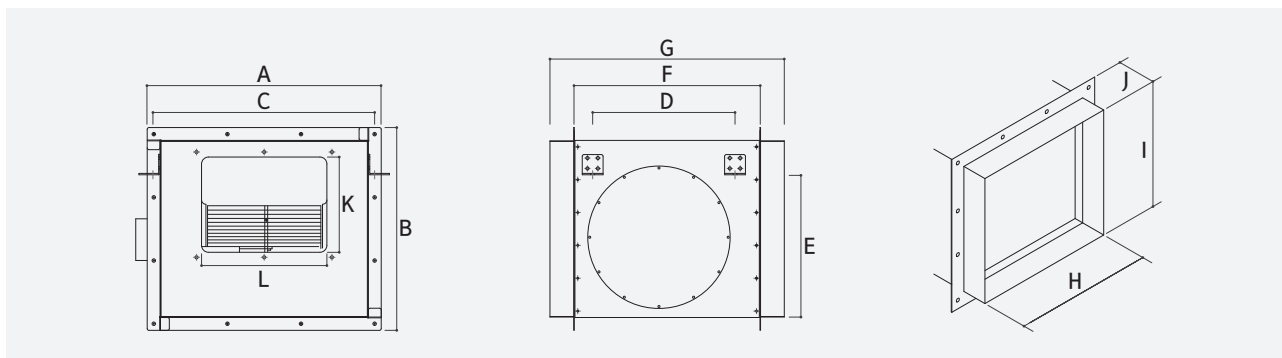
- Aluminum impeller

- IP44 motor

- Class B insulation



■ Drawing



■ Dimension

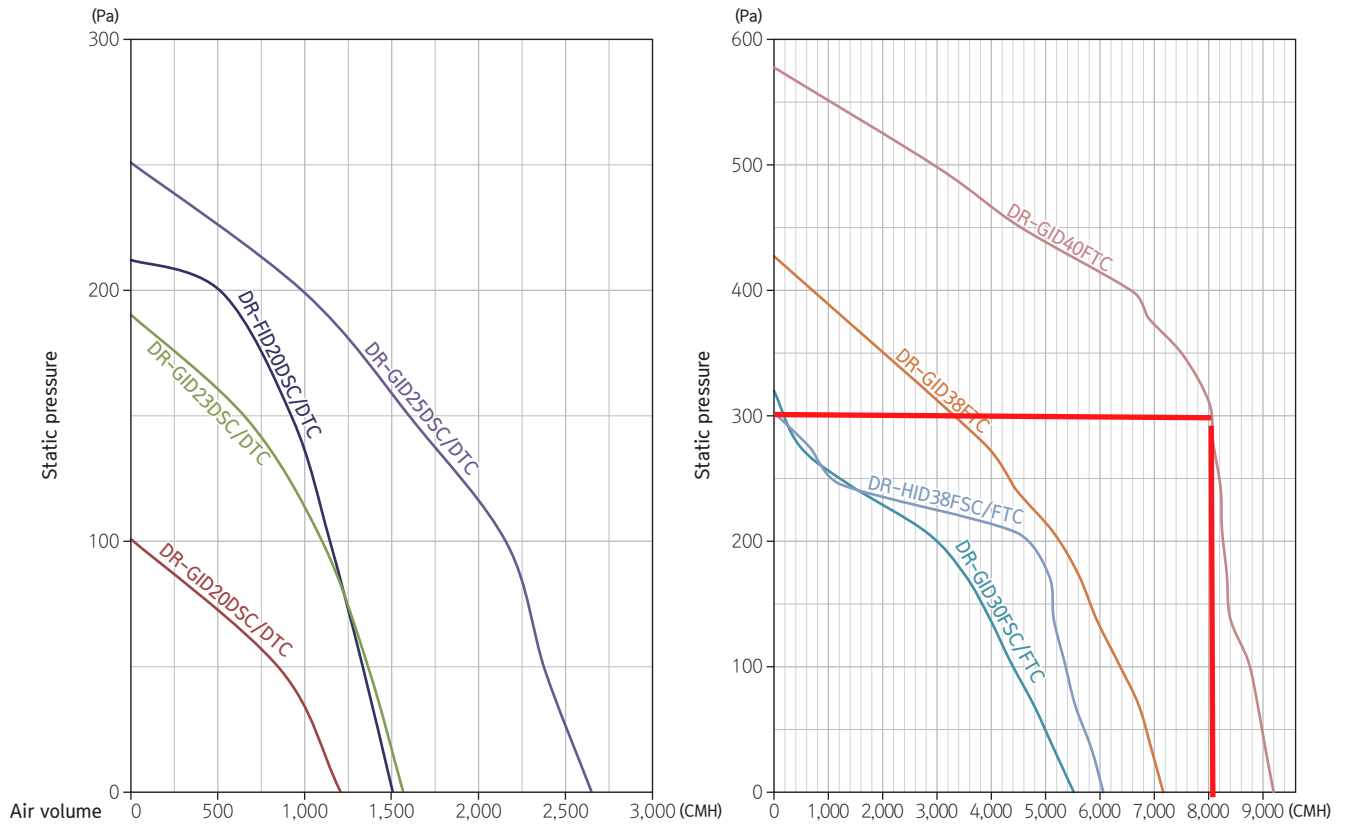
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	outlet K × L
DR-FID20DSC/DTC	474	434	463	275	270	398	535	398	358	70	165X238
DR-GID20DSC/DTC											
DR-GID23DSC/DTC	524	474	510	310	307	428	565	448	398		236X300
DR-GID25DSC/DTC	574	509	560	360	334	488	625	498	433		220X300
DR-GID30FSC/FTC	674	584	660	410	415	538	675	598	508		274X361
DR-GID38FTC	774	744	760	570	570	710	850	698	668		355X380
DR-HID38FSC/FTC											
DR-GID40FTC											

■ Use

- HVAC system for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Ventilation, air-conditioning, heated and cool air blowing, and air supply and exhaust system
- Exhaust and ventilation system for mini-environments

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FID20DSC	1,500	213	1	220	4	420	1.3	1,350	57	19
DR-FID20DTC			3	380			0.9/0.5			
DR-GID20DSC	1,200	101	1	220	6	250	0.9	870	54	19
DR-GID20DTC			3	380			0.7/0.3			
DR-GID23DSC	1,560	191	1	220	6	450	3.4	980	56	26
DR-GID23DTC			3	380			0.9/1			
DR-GID25DSC	2,640	252	1	220	6	900	2.4	980	58	33
DR-GID25DTC			3	380			2/1.2			
DR-GID30FSC	5,460	322	1	220	6	1,100	4.5	980	60	51
DR-GID30FTC			3	380			3.2/2			
DR-GID38FTC	7,083	430	3	380	6	2,200	6/3.4	970	63	64
DR-HID38FSC	6,042	305	1	220	8	1,500	5.6	980	61	66
DR-HID38FTC			3	380			3.7/1.9			
DR-GID40FTC	9,167	581	3	380	6	4,500	10.4/5.8	990	65	66

*The above data can be changed without notice for quality control.

Duct type In-line Fan

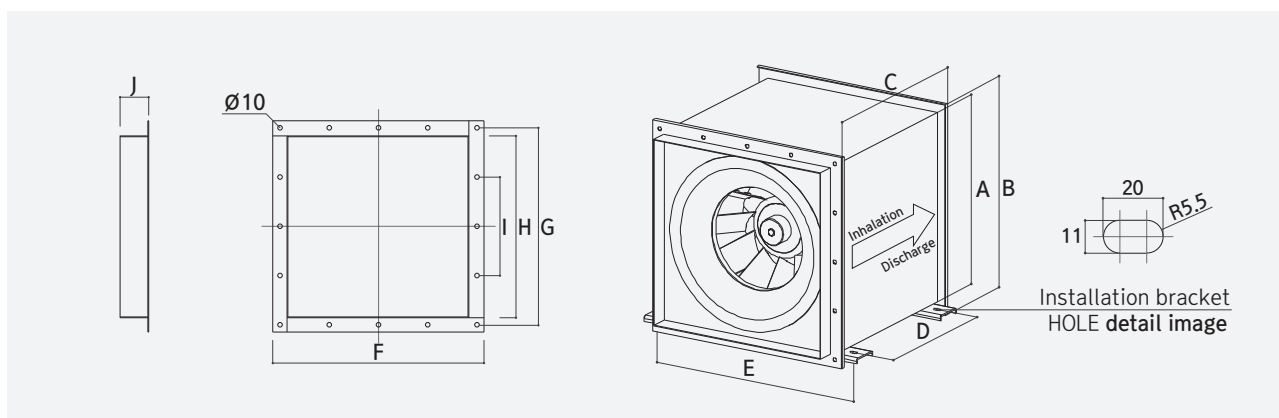
■ Feature

- Minimized noise and vibration by application of optimal design of integrated case
- Low noise (noise controller is attachable)
- Maximized efficiency
- Electro deposition coating on blade for greater corrosion resistance
- Available for make-to-order in stainless-steel type

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP44 motor (F/GIL300~F/GIL500),
IP54 motor (F/GIL550~F/GIL900)
- Class B insulation



■ Drawing



■ Dimension

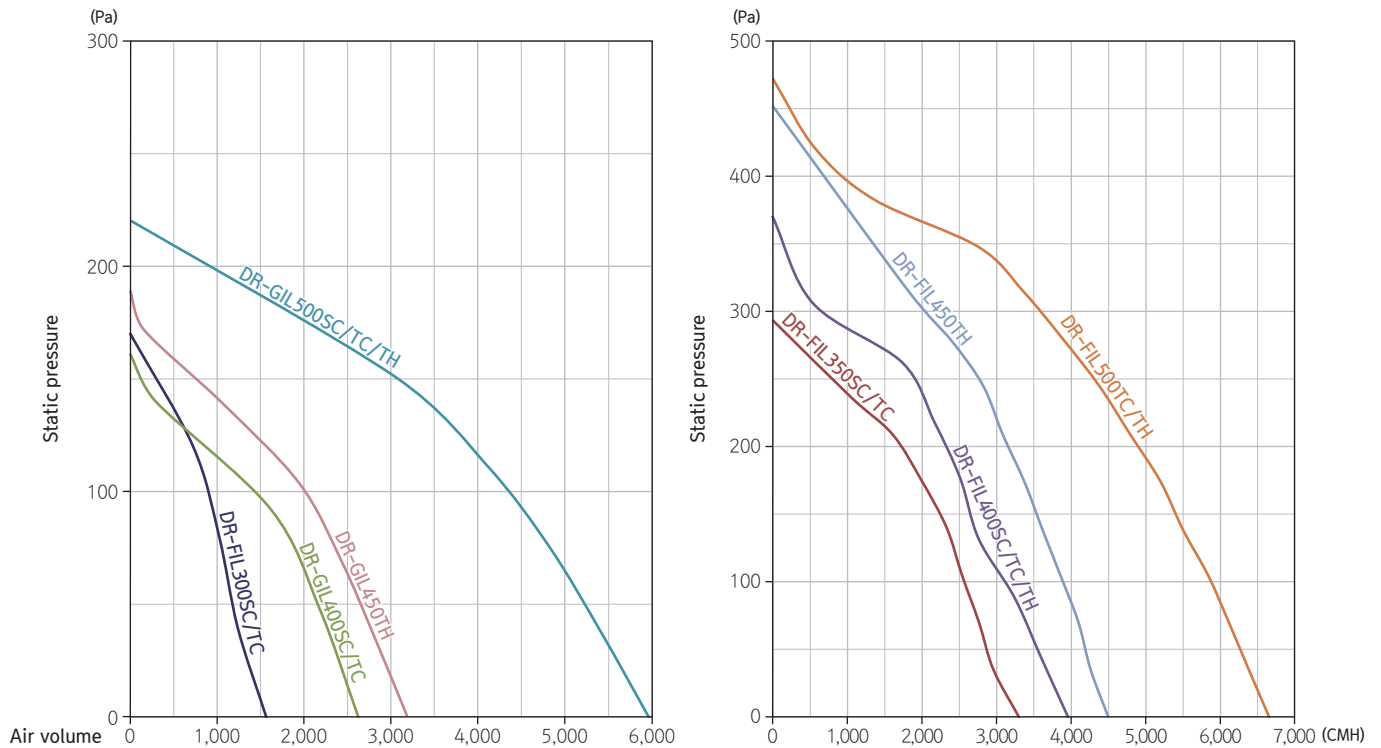
(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J
DR-FIL300SC/TC	400	460	400	276	465	460	428	394	214	60
DR-FIL350SC/TC DR-GIL400SC/TC	500	560	500	376	565	560	520	494	260	
DR-FIL400SC/TC/TH										
DR-GIL/FIL450TH DR-GIL500SC/TC	600	660	600	476	665	660	624	594	312	
DR-FIL500TC DR-GIL/FIL500TH										
DR-GIL/FIL550TH DR-GIL600TH/FIL600THA	700	760	700	576	765	760	724	694	362	
DR-GIL650TH DR-GIL700TH	800	860	800	610	865	860	824	794	412	
DR-GIL750TH DR-GIL800TH	900	960	900	710	965	960	924	894	462	
DR-GIL850TH DR-GIL900TH	1,000	1,080	1,000	790	1,090	1,080	1,040	1,000	520	

■ Use

- HVAC system for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Ventilation, air-conditioning, heated and cool air blowing and air supply and exhaust system
- Exhaust and ventilation system for mini-environments

■ Performance curve



■ Specification

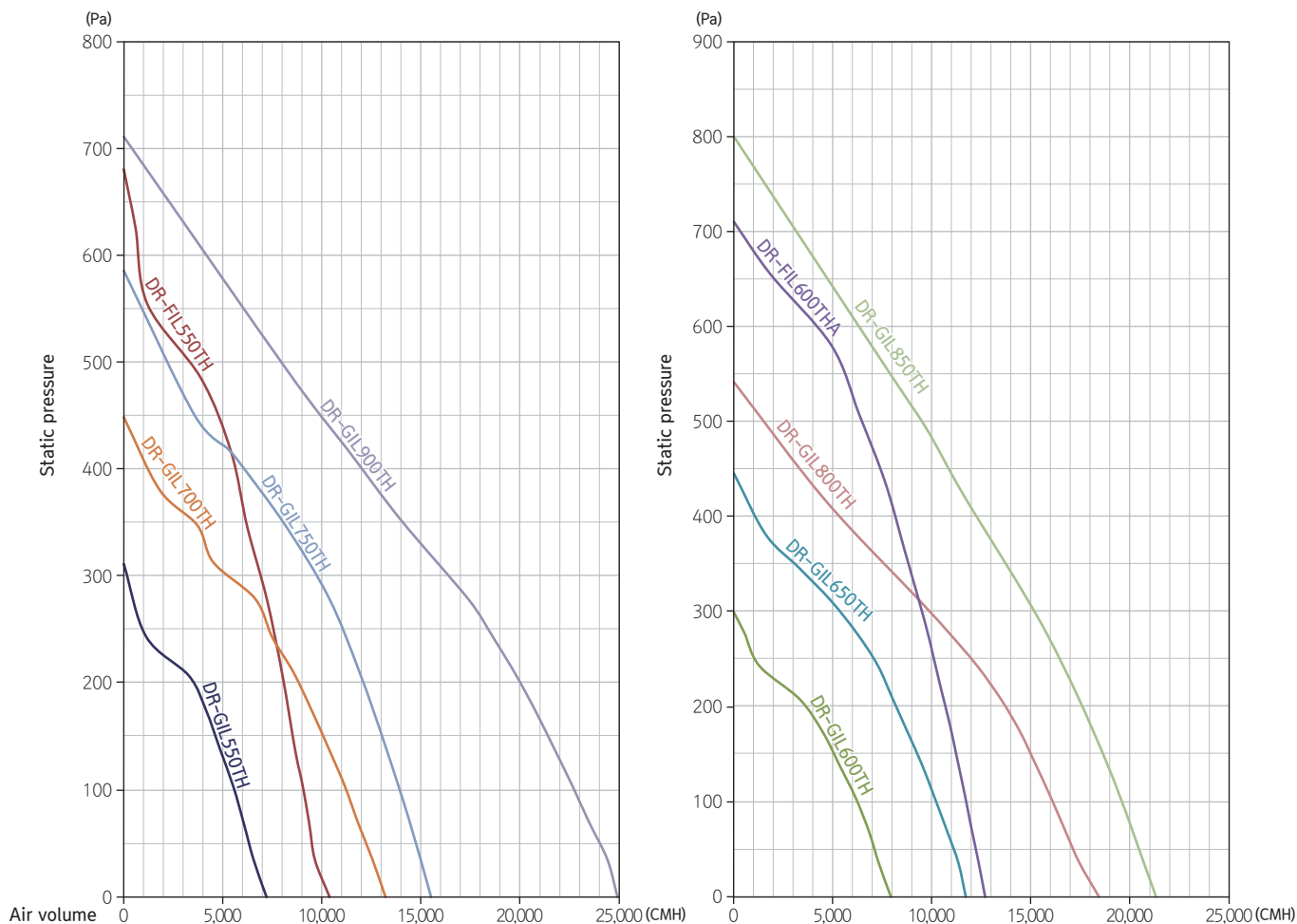
MODEL No.		Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
General	DR-FIL300SC	1,560	170	1	220	4	200	0.53	1,470	56	25
	DR-FIL300TC			3	380			0.62	1,450		
	DR-FIL350SC	3,300	292	1	220	4	400	1.87	1,420	58	40
	DR-FIL350TC			3	380			0.98	1,450		
	DR-GIL400SC	2,620	160	1	220	6	300	0.66	970	56	38
	DR-GIL400TC			3	380			0.65	960		
	DR-FIL400SC	3,960	370	1	220	4	600	1.86	1,450	59	42
	DR-FIL400TC			3	380			1.47	960		
	DR-GIL500SC	5,960	220	1	220	6	500	1.7	930	59	53
	DR-GIL500TC			3	380			1.63	970		
High efficiency	DR-FIL500TC	6,660	470	3	380	4	1,300	2.72	1,450	61	57
	DR-FIL400TH	3,960	370	3	380	4	750	1.45	1,460	59	42
	DR-GIL450TH	3,200	189	3	380	6	750	1.39	980	57	54
	DR-FIL450TH	4,500	450	3	380	4	1,500	2.71	1,480	59	57
	DR-GIL500TH	5,960	220	3	380	6	750	1.44	980	59	54
	DR-FIL500TH	6,660	470	3	380	4	1,500	2.87	1,470	61	57

*The above data can be changed without notice for quality control.

■ Use

- HVAC system for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Ventilation, air-conditioning, heated and cool air blowing and air supply and exhaust system
- Exhaust and ventilation system for mini-environments

■ Performance curve



■ Specification

MODEL No.		Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (℘)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
High efficiency	DR-GIL550TH	7,200	311	3	380	6	750	1.8	950	60	60
	DR-FIL550TH	10,380	681			4	2,200	3.25	1,450	64	75
	DR-GIL600TH	7,920	300			6	1,500	2	970	60	66
	DR-FIL600THA	12,400	710			4	3,700	4.4	1,480	66	100
	DR-GIL650TH	11,700	446			6	2,200	3.3	970	64	103
	DR-GIL700TH	13,200	449			6	3,700	4.4	980	65	105
	DR-GIL750TH	15,500	586			6	3,700	5.3	970	66	145
	DR-GIL800TH	18,420	543			6	5,500	7.4	970	68	160
	DR-GIL850TH	21,300	802			6	5,500	9.2	960	72	260
	DR-GIL900TH	24,900	711			6	7,500	10.6	970	74	300

*The above data can be changed without notice for quality control.

Duct type In-line Fan

Small In-line Fan

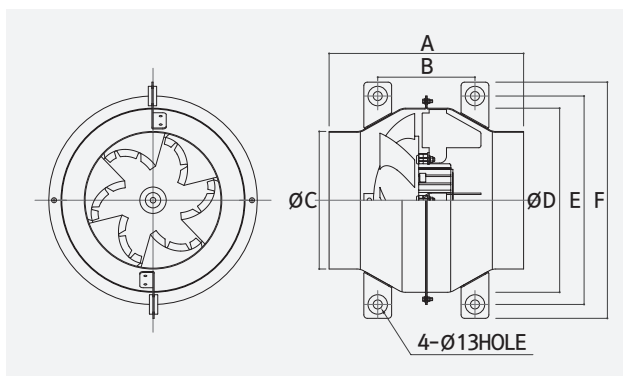
■ Feature

- Minimized noise by application of low-noise type fan casing
- Ease of duct construction by application of inlet and outlet flange in identical specification
- Prevention of vibration transfer through solid structure and attached vibration-proof rubber
- Suitable for places with lack of enough space for installation

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP42 motor
- Class B insulation



■ Drawing



■ Dimension

(Unit:mm)

Model No.	A	B	C	D	E	F
DR-FIL15ASA	316	184	149	242	260	302
DR-FIL20ASA	280	140	198	265	300	340
DR-FIL25DSA	340	190	249	340	352	392
DR-FIL30DSA	390	216	298	380	400	440

■ Specification

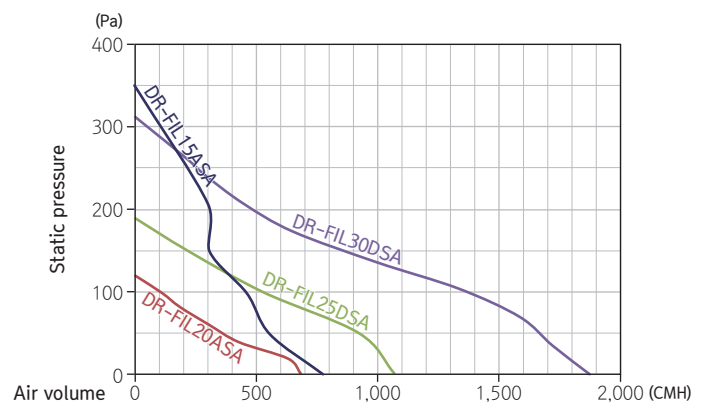
MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FIL15ASA	790	350	1	220	2	140	0.38	2,620	46	3.8
DR-FIL20ASA	670	120			4	65	0.18	1,362	42	4.4
DR-FIL25DSA	1,050	190			4	100	0.41	1,395	44	6.8
DR-FIL30DSA	1,840	310			4	200	0.79	1,463	46	11.5

*The above data can be changed without notice for quality control.

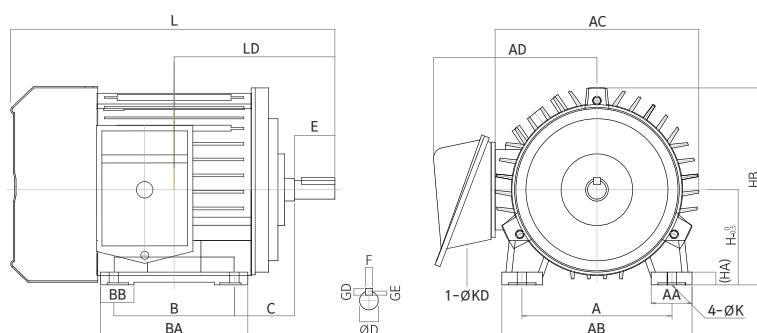
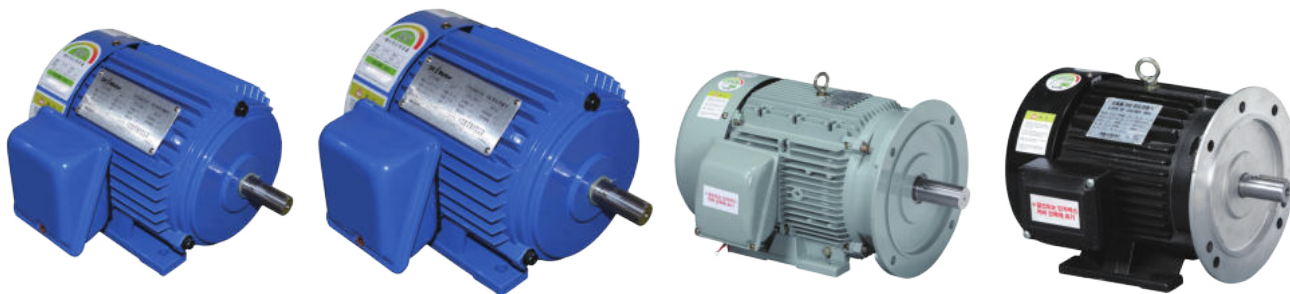
■ Use

- HVAC system for buildings, apartments, underground shopping centers, factories, warehouses, etc
- Ventilation, air-conditioning, heated/cool air blowing and air supply and exhaust system
- Exhaust and ventilation system for mini-environments

■ Performance curve



Premium Motor



■ **Rated output**
• 0.75kw or higher

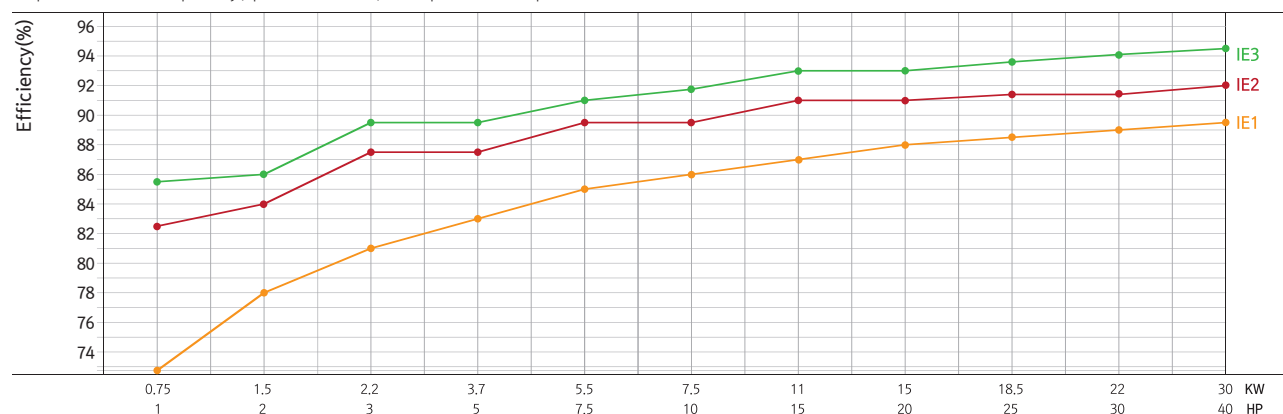
■ **Voltage**
• 200~1,000

■ **Frequency**
• 50Hz

■ **Sortation**
• IE1~IE3

FR.NO.	Capacity		Shaft dimension				Terminal box		Bearing NO		Weight
	4P	6P	ØD	F	GD	GE	AD	ØKD	Semi-load	load	kg
80	0.75	0.4/0.55	19j6	6	6	3.5	142	21	6203	6204	15
90	1.5	0.75	24j6	8	7	4	152	21	6204	6205	20
100	2.2	1.5	28j6	8	7	4	160	21	6205	6206	30
112	3.7	2.2	28j6	8	7	4	171	21	6205	6206	40
132S	5.5	3.7	38k6	10	8	5	216	28	6206	6208	55
132M	7.5	5.5	38k6	10	8	5	216	28	6206	6208	65
160M	11	7.5	42k6	12	8	5	244	28	6208	6209	100
160L	15	11	42k6	12	8	5	244	28	6208	6209	120

The above specifications can be changed according to the situation without notice for revision of standards, improvement of quality, performance, and product improvement.



Filter Box

- SPCC cabinet
(Steel Plate Cold Commercial)

General



Louver

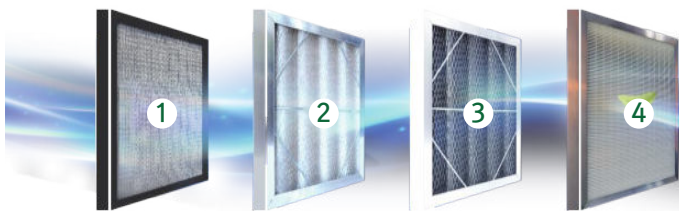


Grill



※ We do not sell Louver and Grill

Application of three-step filtering system

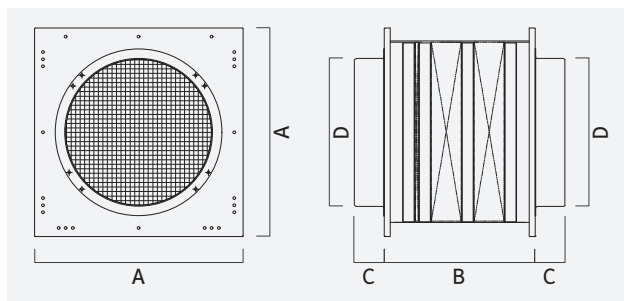


- ① **Chlorinated vinyl net**
removal of large-sized dust particles
- ② **Prefilter** removal of small-sized dust particles
(dust particles bigger than 10 μ m such as yellow dust, pollen, etc)
- ③ **Carbon filter** deodorizing effect
(removal of stench from toilets, food, etc)
- ④ **HEPA filter** removal of fine dust
(99.75% of capture of dust particles of 0.3 μ m)

Use

- In the buildings for residential, shopping center, farm house, etc

Drawing



Dimension

(Unit:mm)

Model No.	A	B	C	D	Casing	
					Width	Height
DR-200FB/(H13)	300	250	50	Ø200	252	252
DR-250FB/(H13)	350			Ø250	302	302
DR-300FB/(H13)	400		60	Ø300	352	352
DR-350FB/(H13)	450			Ø350	402	402
DR-400FB/(H13)	500		70	Ø400	452	452
DR-450FB/(H13)	550			Ø450	502	502

Specification

MODEL No.	Initial pressure loss (Pa)				Final pressure loss (Pa)				Dust size (μ m)	Weight (Kg)
	Chloride	Pre	Carbon	Hepa	Chloride	Pre	Carbon	Hepa		
DR-200FB/(H13)	30	70	70	254	50	200	200	500	>10/0.3	5.0
DR-250FB/(H13)										6.1
DR-300FB/(H13)										7.6
DR-350FB/(H13)										9.1
DR-400FB/(H13)										9.9
DR-450FB/(H13)										11.1

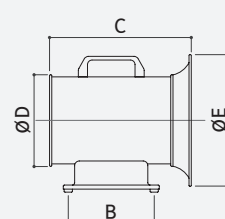
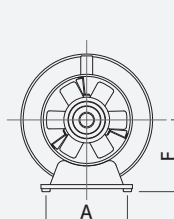
DR-200/250/300/350/400/450FB : Chloride, Pre, Carbon
DR-200/250/300/350/400/450FB(H13) : Chloride, Pre, Hepa

*The above data can be changed without notice for quality control.

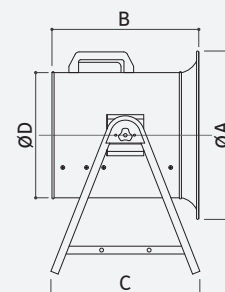
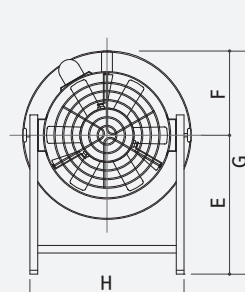
Portable Fan

■ Drawing

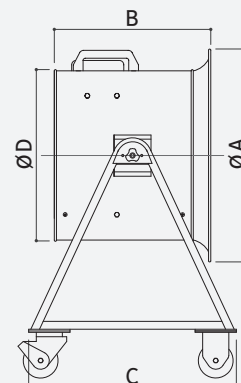
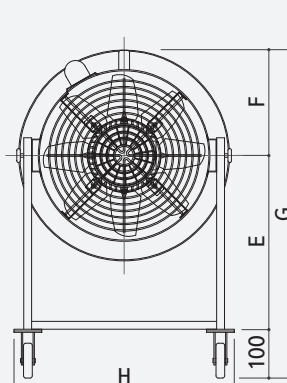
DR-E200DS
DR-E250DS
DR-E300DS
DR-E350DS
DR-FP400DS/DT
DR-FP500DS/DT



DR-E300DSA



DR-E300DSB
DR-FP400DSB
DR-FP400DTB
DR-FP500DSB
DR-FP500DTB



■ Dimension

(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H
DR-E200DS	170	180	315	200	300	150	-	-
DR-E250DS				250	350	177	-	-
DR-E300DS	270	210	335	300	400	207	-	-
DR-E350DS			340	350	450	235	-	-
DR-FP400DS/DT	370	280	360	400	480	278	-	-
DR-FP500DS/DT			400	500	580	334	-	-
DR-E300DSA	400	335	357	300	322	200	522	361
DR-E300DSB					316		616	407
DR-FP400DSB/DTB	485	360	478	400	404	242.5	746.5	507
DR-FP500DSB/DTB	580	400	537	500	464	290	854	607

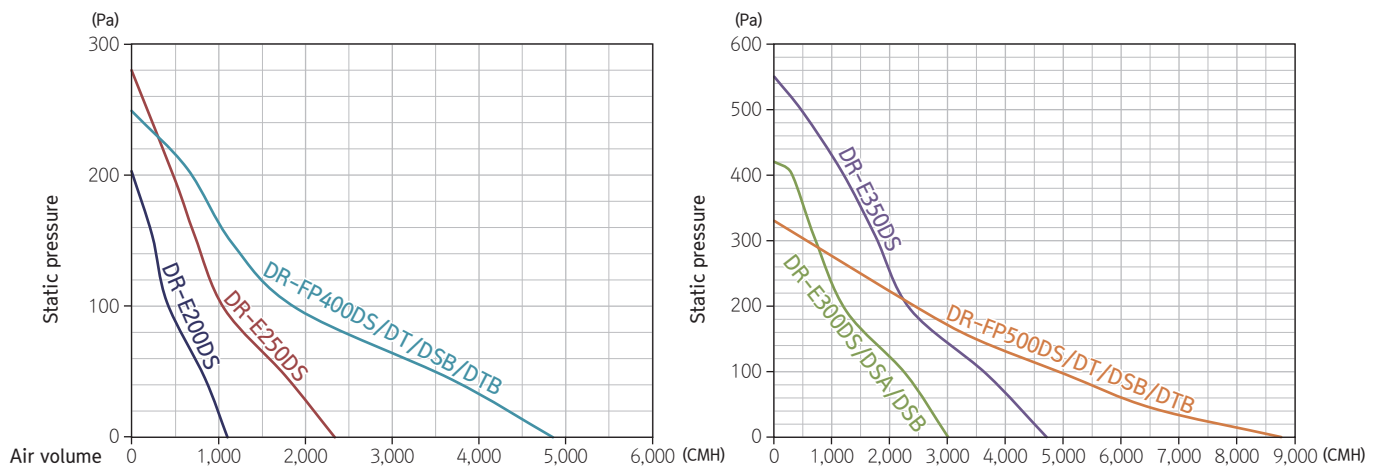
■ Feature

- Realization of low noise, weight lightening, and high efficiency by application of blades in aluminum alloy for die castings (DR-E200~E350DS), glass-fiber-reinforced plastics(GFRP), and plastic blades (DR-FP400~FP500)
 - Performance and efficiency in high level, and continuous operation in miniaturized and lightweight structure
 - Adjustable use of air supply and exhaust system at one's disposal in any places based on field conditions through detachable ducts and simple transport and handling
 - Wide range of use and method, and greatest contribution to less choking incidents and improved working environments
- CR casing (Cold Rolled steel)
 - Impeller in aluminum alloy for die castings (DR-E200~E350DS) and glass-fiber-reinforced plastics (GFRP)
 - IP42 motor
 - Class B insulation

■ Use

- Toxic gas scavenging system during cable wiring and the drainage works, and in the welding operation of shipbuilding, bridge building, and underground tunnel construction
- Ventilation in process of inspection and maintenance of boilers, manholes, and storage tanks
- Ventilation for smoke extraction system in underground spaces
- Ventilation and drying system for painting works, and ventilation for places of business where a lot of dusts are generated

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (̸)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-E200DS	1,100	200	1	220	2	145	0.61	2,930	63	6.5
DR-E250DS	2,330	280	1	220	2	375	1.34	2,870	70	8
DR-E300DS/DSA	3,000	420	1	220	2	525	2.38	2,860	74	11.5
DR-E300DSB	3,000	420	1	220	2	525	2.38	2,860	74	14.5
DR-E350DS	4,700	550	1	220	2	800	3.36	2,870	78	15.5
DR-FP400DS/DSB	4,830	240	1	220	4	470	2.14	1,400	68	18/21
DR-FP400DT/DTB			3	380			1.18	1,400		
DR-FP500DS/DSB	8,750	320	1	220	4	1,300	2.96	1,420	78	24/31
DR-FP500DT/DTB			3	380			3.02	1,410		

*The above data can be changed without notice for quality control.

Turbo Blower

General

High efficiency



■ Feature

- Minimized noise and vibration through enhanced durability by application of fan and casing with optimal design
- High efficiency in operational cost with suitability for high wind pressure
- Maximized heat release of motor by application of motor casing in aluminum alloy
- General type of motors in driving part is in dual use at 50/60Hz of frequency value, and three-phase motors are available at voltage of 200~240/380~440 depending on connectors

General

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP44 motor
- Class B insulation

High efficiency

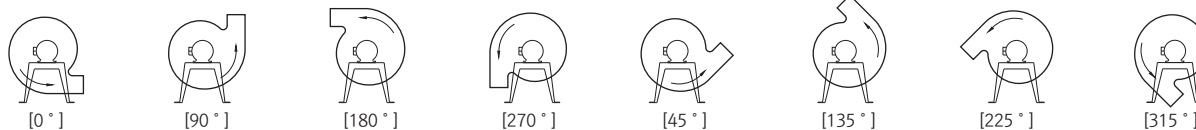
- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP54 motor
- Class F insulation

■ Use

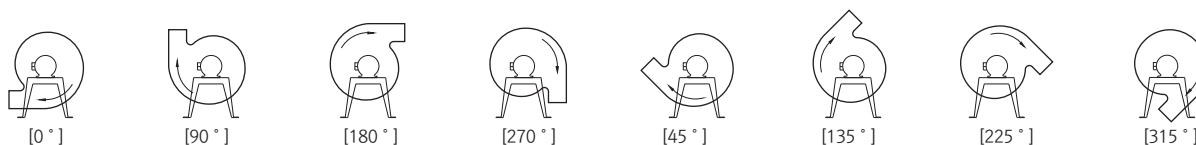
- High-pressure blowers in industrial use, air transport devices, incinerators, agro-livestock facilities, sludge collecting devices, etc
- Dust collectors, intake and exhaust system, and drying system

■ Installation

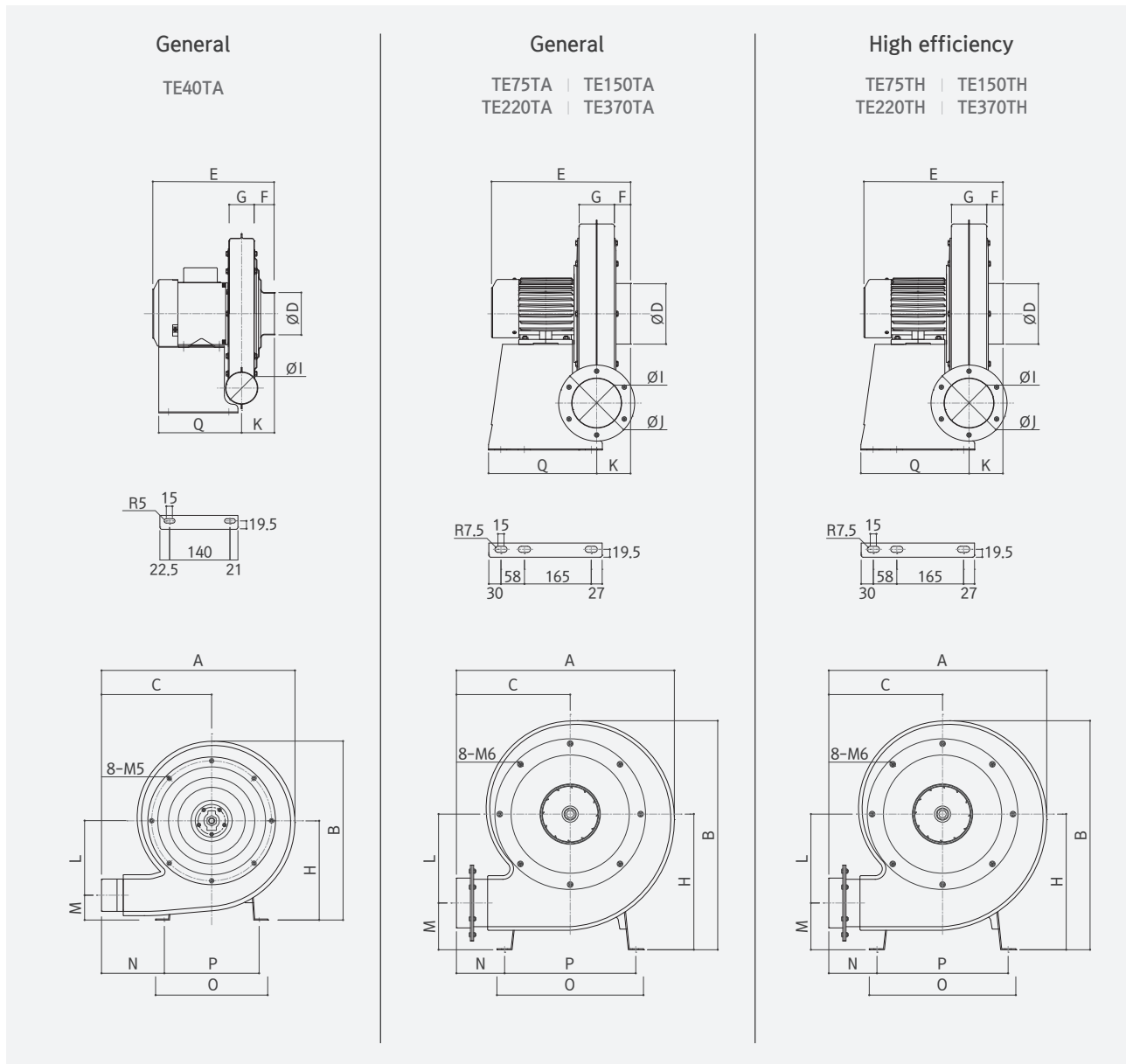
Forward direction (CW)



Reverse direction (CCW)



■ Drawing

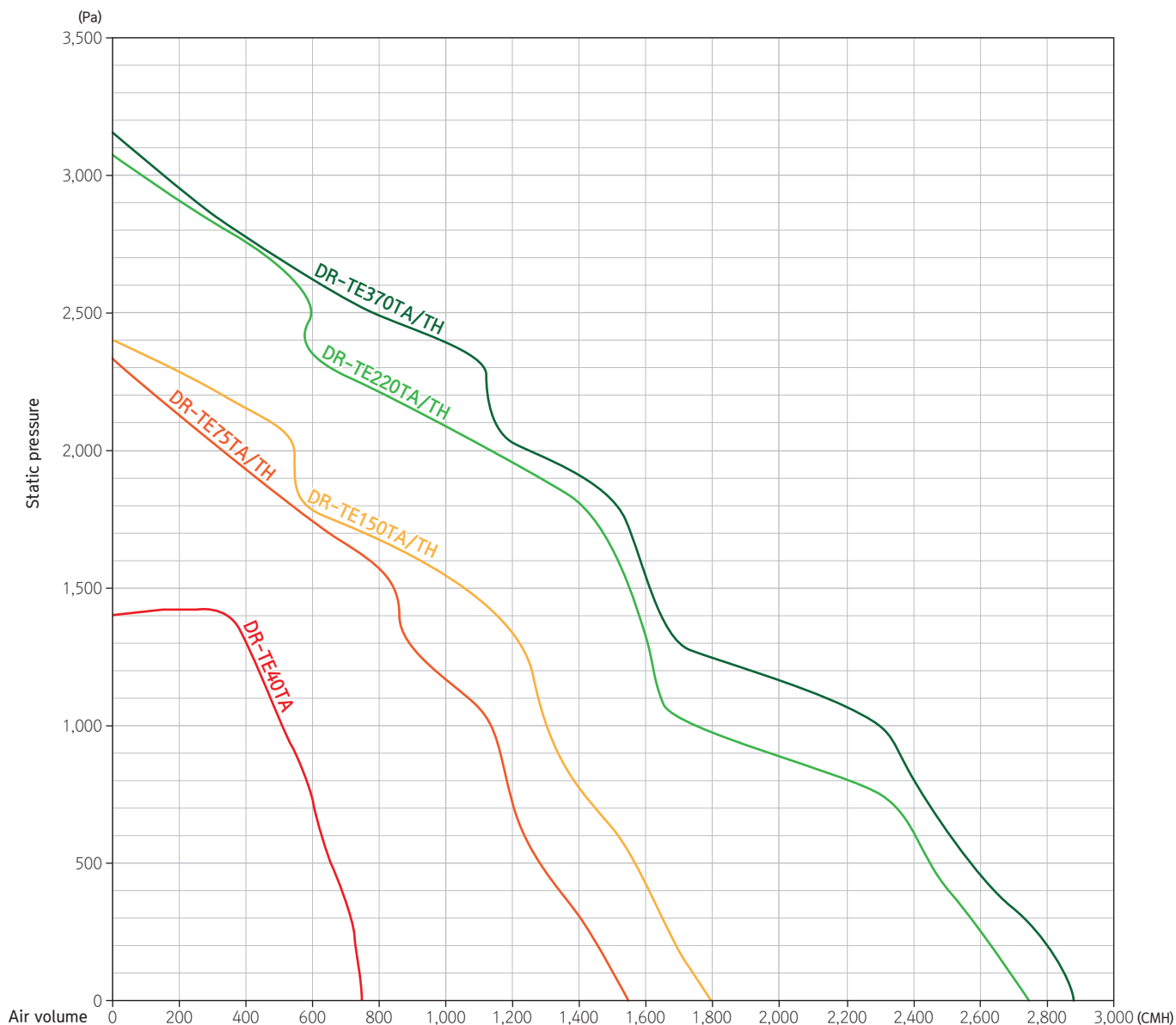


■ Dimension

(Unit:mm)

General · High efficiency	A	B	C	ØD	E	F	G	H	ØI	ØJ	K	L	M	N	O	P	Q											
DR-TE40TA	453.4	415	256.4	95	282	47	58	95	230	–	75	172	57.5	144.9	260	221	192.2											
DR-TE75TA	557	574	296	149	341.5	41.2	88	340	123	188	85.2	218.6	121.4	134	363	324	264.8											
DR-TE75TH		586			378.5			48.2			352		123					92.2		133.4								
DR-TE150TA																												
DR-TE150TH																												
DR-TE220TA	627	629	341	199	401.2	51.2	108	352	148	205	105.2	225	127	179			274.5											
DR-TE220TH		649			463.7			56.2			372		148					110.2		147								
DR-TE370TA																												
DR-TE370TH																												

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-TE40TA	760	1,400	3	380	2	400	1	2,824	68	12.6
DR-TE75TA	1,540	2,370	3	380		750	2.1	2,950	71	24
DR-TE75TH										
DR-TE150TA	1,800	2,470	3	380		1,500	2.7	2,950	74	29
DR-TE150TH										
DR-TE220TA	2,740	3,050	3	380		2,200	5.4	2,950	85	33
DR-TE220TH										
DR-TE370TA	2,890	3,180	3	380		3,700	6.4	2,950	82	36
DR-TE370TH										

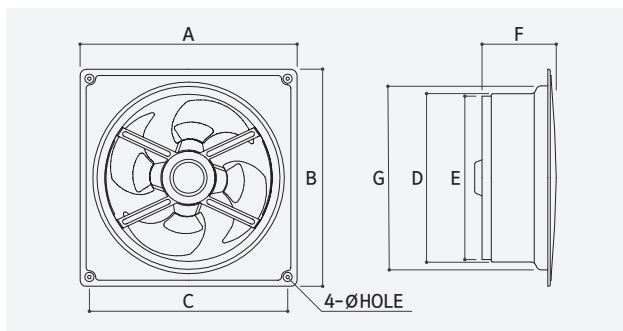
*The above data can be changed without notice for quality control.

Inhalation High Pressure Ventilating Fan

■ Feature

- High pressure ventilating fan in only for exclusive use as intake with low noise and high flowrate
- Outstanding color and design in feeling of exclusivity compared to existing products
- Higher flowrate and greater durability compared to existing injection fans for air intake
- Ease of connection to ducts and attachment to the ceiling
- Great corrosion resistance and protection against dust
- Application of self-developed blades for intake with licenses for the rights to the invention

■ Drawing



■ Dimension

(Unit:mm)

Model No.	A	B	C	D	E	F	G
DR-SF/F20ASV	300	300	270	220	214	95	Ø250
DR-SF/F25ASV	350	350	320	270	264	115	Ø300

■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-SF/F20ASV	907	40	1	220	4	44	0.15	1,370	58	2.7
DR-SF/F25ASV	1,266	60				65	0.23	1,370	59	4.2

*The above data can be changed without notice for quality control.

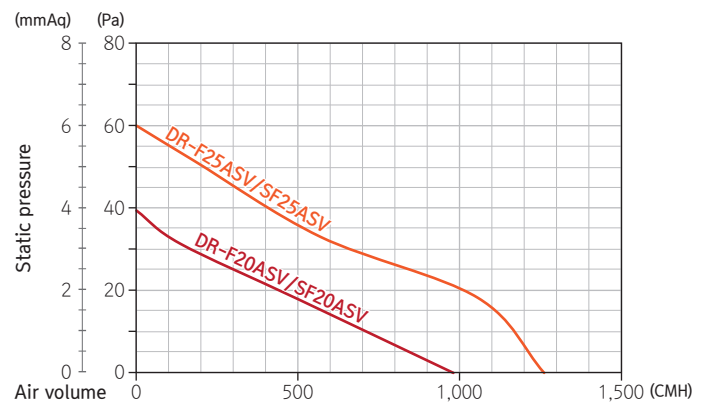


- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP44 motor
- Class B insulation

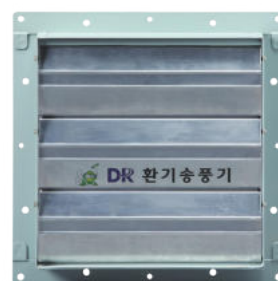
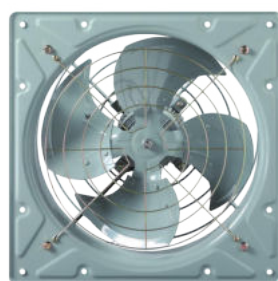
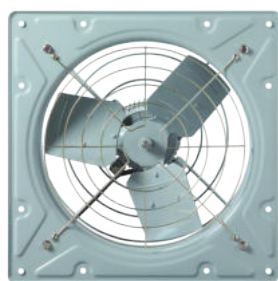
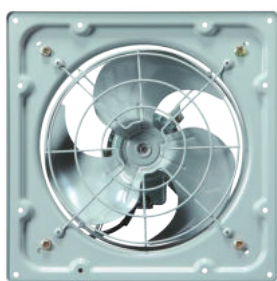
■ Use

- 1st phase of ventilation for places low noise required (restaurants, factories, warehouses, working areas, etc)
- Ventilation for stalls and greenhouses
- Various sorts of assembly facilities
- Exhaust system for buildings, offices, stores, bathrooms, restrooms, smoking rooms, etc

■ Performance curve

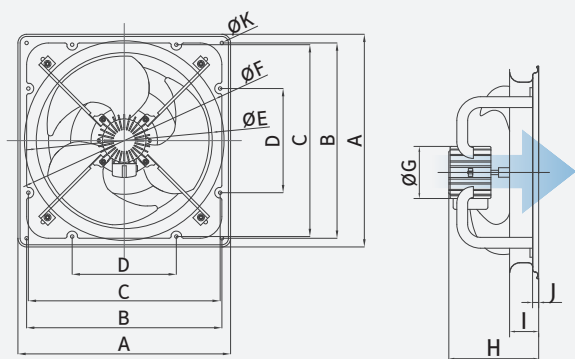


High Pressure Ventilating Fan /Shutter

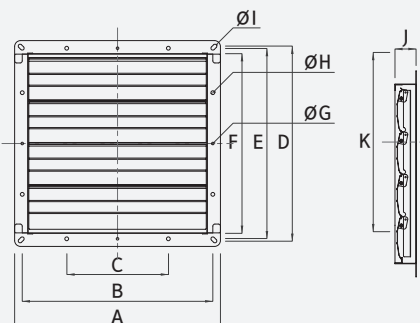


■ Drawing

- Exhaust High Pressure Ventilating Fan







- Shutter



■ Dimension

(Unit:mm)

Model No.	A	B	C	D	E	F	G	H	I	J	K	Wt(kg)
DR-DF20ASB 	300	275	270	120	215	250	105	163	51	13	6	2.7
DR-DF25ASB 	350	325	314	160	265	310	105	165	61			4.2
DR-DF30BSB 	400	370	364	200	305	355	105	168	63		8	4.5
DR-DF35CSB	440	400	400	200	355	410	120	200	64			6
DR-DF40DSC 	490	450	450	240	405	465	120	215	75	14		8.5
DR-F45DSA	620	560	560	280	475	535	162	270	120	11.5	12	18
DR-F50FSA 												23
DR-G50DSA												20
SHUTTER(8")	296	275	-	275	-	232	6	-	8	50.4	235	1.0
SHUTTER(10")	346	314	160	325	-	282		8			285	1.2
SHUTTER(12")	396	364	200	370	-	332			9		335	1.4
SHUTTER(14")	435	400	200	412	400	372		9			375	1.6
SHUTTER(16")	486	450	240	460	450	422			12		425	1.9
SHUTTER(20")	610	560	280	570	550	502		12			12	63.2

■ Feature

- Exhaust High Pressure Ventilating Fan

- Application of extra fan with low-noise type blades
- Great corrosion resistance and protection against dusts
- Maximized efficiency
- Application of self-developed blades with low noise and high flowrate

- Shutter

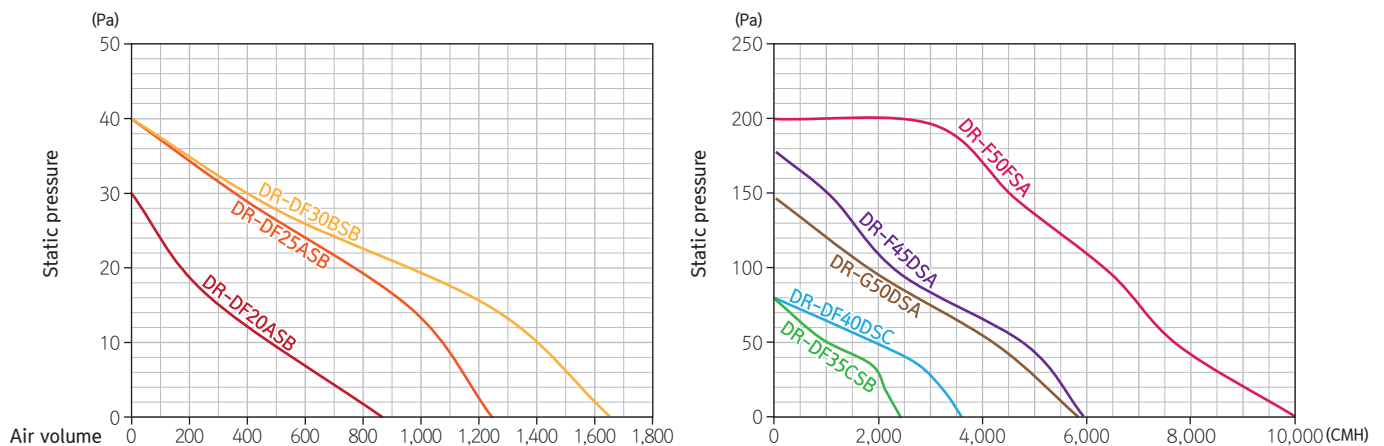
- Realization of light weighting, great corrosion resistance and protection against dusts through manufacture from aluminum
- Non-noise in operation
- Suitable for air volume control of high-pressure fans, and prevention of outdoor air, rainwater, and dirt from entering from outside

- SPCC casing (Steel Plate Cold Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP42 motor
- Class B insulation

■ Use

- 1st phase of ventilation for where low noises are required (restaurants, factories, warehouses, working areas, etc)
- Ventilation of the damp and vinyl house
- Various equipment assemblies

■ Performance curve



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (¢)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-DF20ASB	880	30	1	220	4	44	0.16	1,380	49	2.7
DR-DF25ASB	1,230	40				65	0.22	1,390	51	4.2
DR-DF30BSB	1,650	40				75	0.27	1,390	50	4.5
DR-DF35CSB	2,410	80				119	0.36	1,380	63	6
DR-DF40DSC	3,600	80				185	0.56	1,380	59	8.5
DR-F45DSA	5,930	180				420	1.9	1,400	73	18
DR-F50FSA	10,000	200				750	3.4	1,420	77	23
DR-G50DSA	5,830	150			6	300	1.3	930	60	20

*The above data can be changed without notice for quality control.

Flange-type Blower

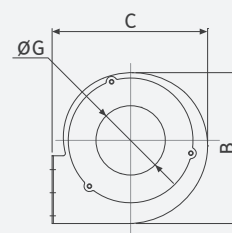
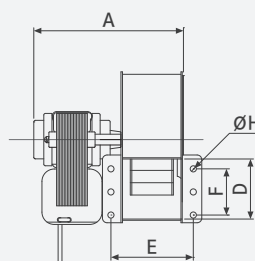
■ Feature

- Low noise and high flowrate
- High static pressure type
- SPCC casing (Steel Plate Cold Commercial)
- Aluminum impeller
- IP44 motor
- Class B insulation

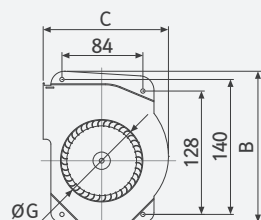
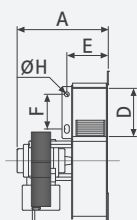
■ Use

- Air intake and exhaust system for mini-environments, air supply system for portable gas stoves
- Machine-attached devices, and dust collectors

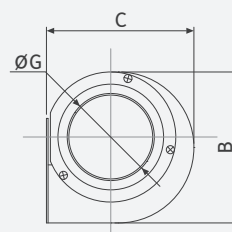
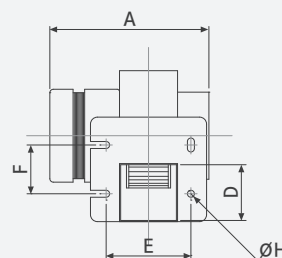
E70SA



E75SA



F95SA/F105SA

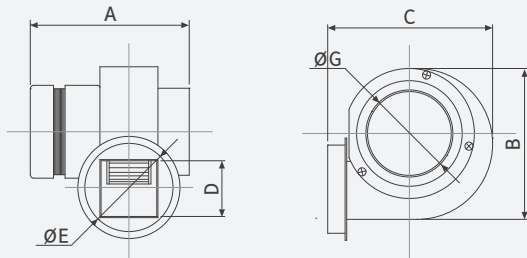


■ Dimension

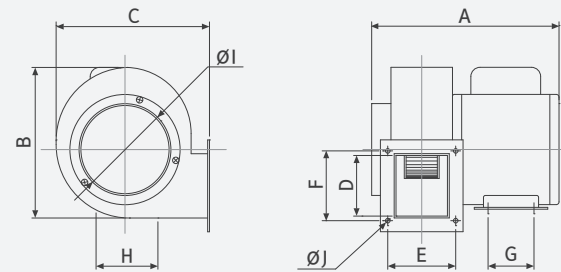
(Unit:mm)

Model No.	A	B	C	D	E	F	G	H	ØI	ØJ
DR-E70SA(□)	97	98	101	39	53.5	30(15+15)	Ø45	6-Ø4		
DR-E75SA(□)	94.6	156.5	130	50	43	36	Ø85.5	Ø5		
DR-F95SA(□)	137	130	127	50	73	42	Ø75	Ø6		
DR-F95SA(○)			142		Ø88	-		-		
DR-F105SA(□)	161	164	170	74	80	74	Ø100	Ø5		
DR-F115SA(○)			201		Ø99	-		-		
DR-F118SA(□)	204	164	167	77	90	100	50	93	100	4-Ø5
DR-F118SA(○)					Ø100	-				-
DR-F150SA(□)	243	205	192	84	96	86	83	180	123	4-Ø5
DR-F200SA(□)	296	233	216	101	116	110			140	

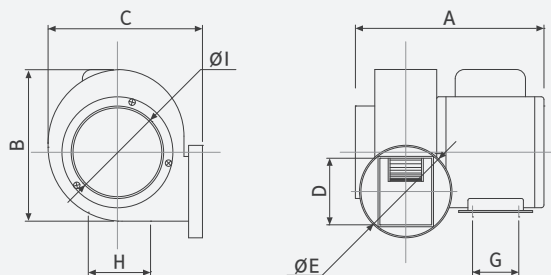
F95SA/F115SA



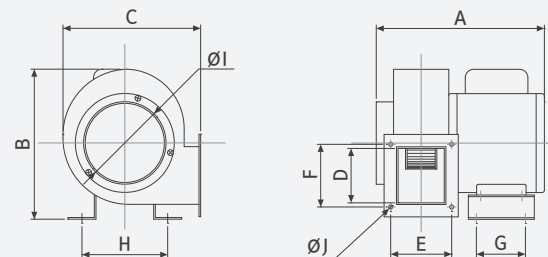
F118SA



F118SA



F150SA/F200SA



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (ɸ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-E70SA(□)	62	100	1	220	2	20	0.22	2,728	57	0.85
DR-E75SA(□)	72	120				24	0.18	2,340	58	0.9
DR-F95SA(□)	139	180				40	0.15	2,605	59	1.3
DR-F95SA(○)										
DR-F105SA(□)	205	200				60	0.33	2,607	58	2.1
DR-F115SA(○)								2,578	57	
DR-F118SA(□)	225	240				100	0.63	2,770	64	3.3
DR-F118SA(○)										
DR-F150SA(□)	450	300				209	0.93	2,850	70	6.4
DR-F200SA(□)	850	520				485	2.22	2,830	76	9

*The above data can be changed without notice for quality control.

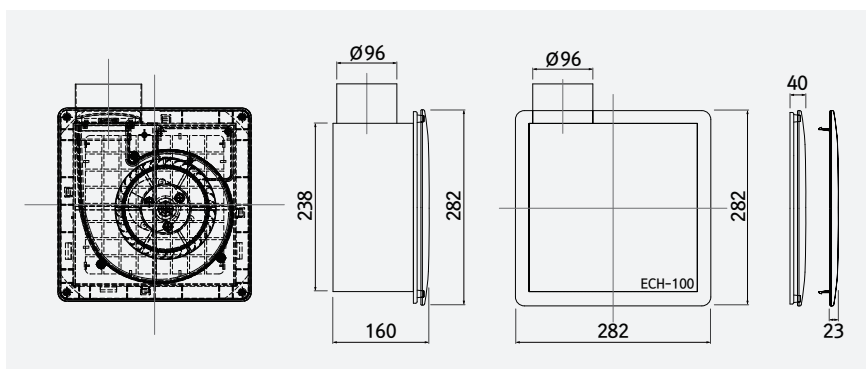
High Static Pressure Ventilation Fan

■ Feature

- Supply of fresh air into indoors for the pleasant life
- Less power consumption below 40W
- Embedded damper for backdraft prevention
- Embedded anti-superheating device
- High exhaust performance in silent operation around 40dB
- Prevention of the propagation of mould and bacteria from water vapor



■ Drawing

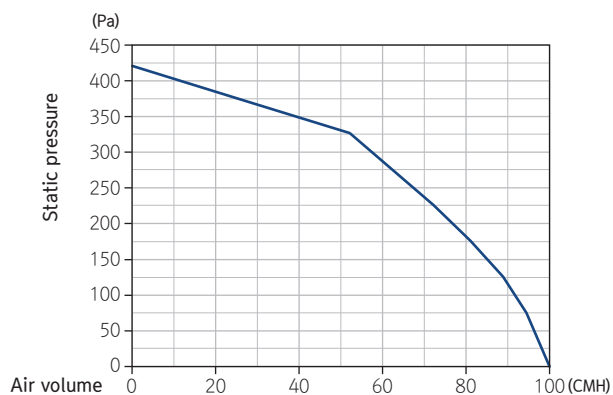


- Plastic casing
- Plastic impeller
- IP44 motor
- Class B insulation

■ Grill types

- EH100ASA : Basic model
- EH100ASL : LED attached to the front for the indication of operational status

■ Performance curve



■ Use

- Ventilation for bathrooms in high-rise apartment buildings
- Creation of pleasant indoor environment through ventilation
- Ventilation for bathrooms, restrooms, smoking rooms, offices, hospitals, restaurants, conference rooms, singing rooms, cafes, etc

■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-EH100ASA(A/B)	100	420	1	220	2	36	0.2	990	35	2.5
DR-EH100ASL(A/B)										

*The above data can be changed without notice for quality control.

Middle Pressure Ventilation Fan

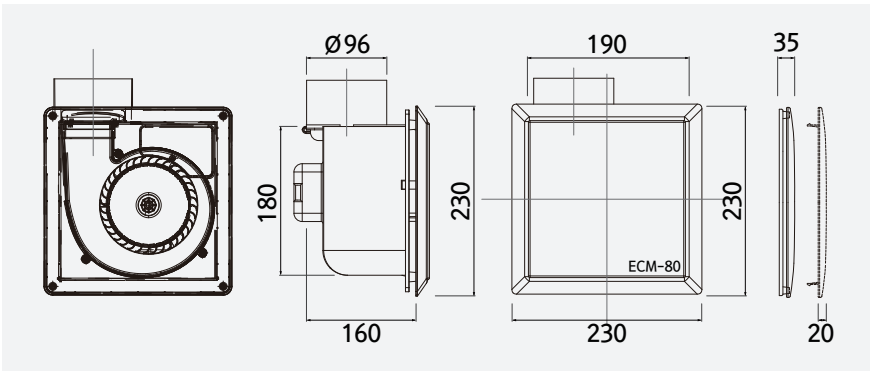


■ Feature

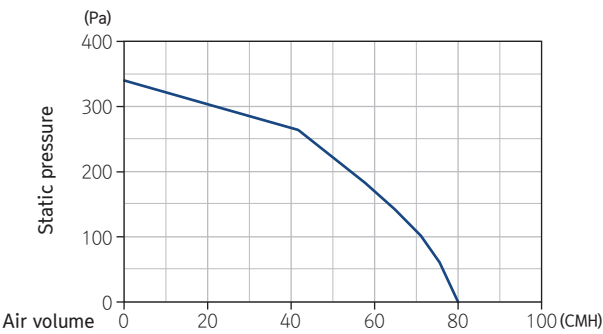
- Realization of silent operation through noise reduction by application of dual-structured cover
- Ideal application in bathrooms and shower rooms through effective release of water vapor
- Great performance of ventilation even for high-rise buildings
- Ease of installation, and great durability
- Enhanced safety, and less power consumption

- Plastic casing
- Plastic impeller

■ Drawing



■ Performance curve



■ Use

- Creation of pleasant indoor environment through ventilation
- Ventilation for buildings, bathrooms, restrooms, smoking rooms, offices, conference rooms, hospitals, restaurants, cafes, etc

■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (Φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-EH80ASA	80	340	1	220	2	24	0.2	990	31	0.9

*The above data can be changed without notice for quality control.

Plastic Fan

- Plastic casing
- Plastic impeller
- IP22 motor
- Class A insulation



Feature

- Noise reduced motor attached
- Less power consumption
- Attachable to the walls and ceilings with moisture-proof function

Dimension

(Unit:mm)

Model No.	A	B	C	D	E	F
DR-GP20BS	300	270	270	93	53	Ø210
DR-P20BS	297	267	267	112	80	Ø212
DR-P25BS	330	300	300	128	100	Ø262
DR-SP20BS	317	120	120	119	100	239
DR-SP25BS	350	210	210	131	104.5	286
DR-SP30BS	410	200	200	133	102	330
DR-10PS	171	150	150	88	77	Ø100
DR-15PS	218	192	192	96	90	Ø141
DR-10RS	184	-	-	90	72	Ø99

Specification

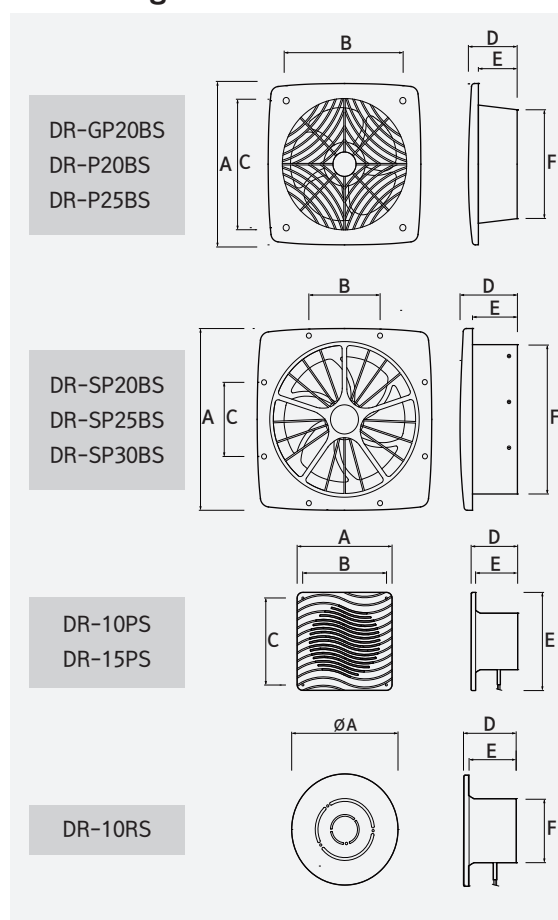
Model No.	Max Air Volume (CMH)	Power (㉚ · V)	Input (W)	Noise (dB at 3M)	Weight (Kg)
DR-GP20BS	310	1 · 220	30	31	0.7
DR-P20BS	310		30	31	1
DR-P25BS	510		40	35	1.5
DR-SP20BS	400		30	34	1.4
DR-SP25BS	600		40	36	2
DR-SP30BS	1,000		38	40	2.5
DR-10PS	60		10	20	0.5
DR-15PS	170		14	23	0.7
DR-10RS	50		10	20	0.4

*The above data can be changed without notice for quality control.

Use

- Ventilation for bathrooms, restrooms, buildings, singing rooms, offices, restaurants, etc

Drawing



Ceiling Fan

■ Feature

- High exhaust performance
- Application of low-noise blades and high-efficiency motors
- Ease of installation
- Design with enhanced safety

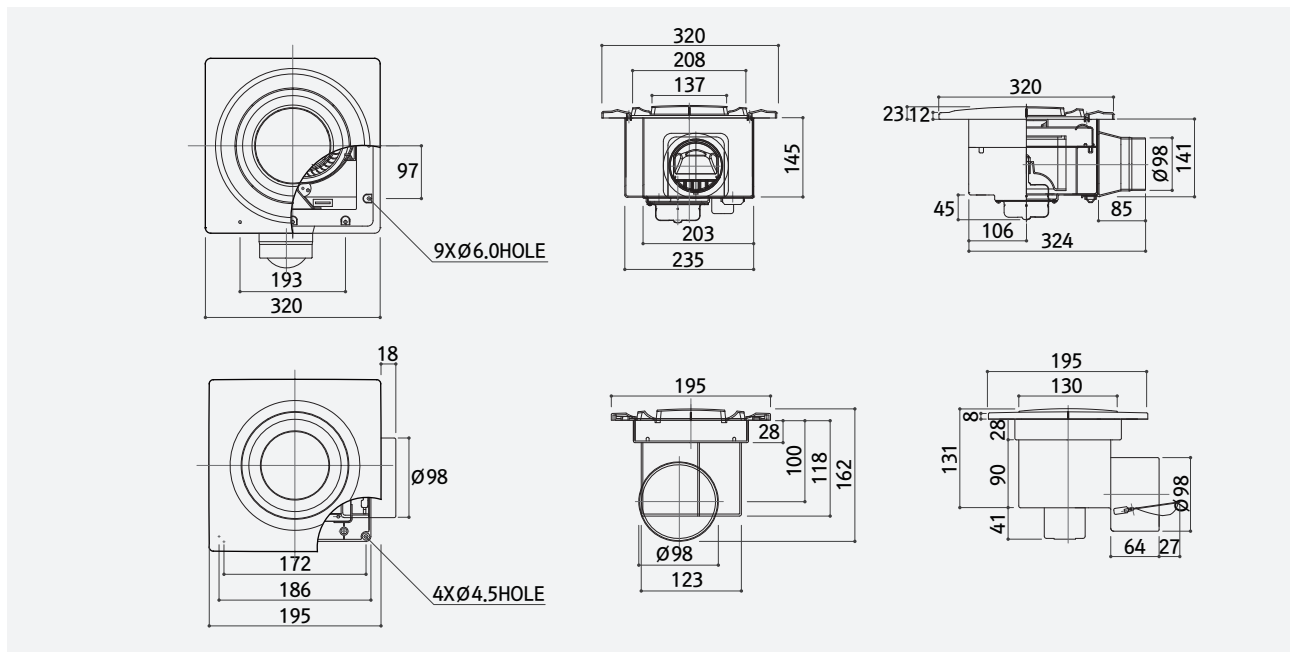
- Plastic casing
- Plastic impeller
- IP22 motor
- Class A insulation



■ Use

- Exhaust system for bathrooms, restrooms, smoking rooms, shopping centers, etc
- Exhaust system for buildings, offices, shopping centers, living rooms, etc

■ Drawing



■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (℘)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-11DRB	110	60	1	220	2	11	0.07	2,090	23	0.6
DR-16DRZ	270	70			4	28	0.07	1,170	33	2.4

*The above data can be changed without notice for quality control.

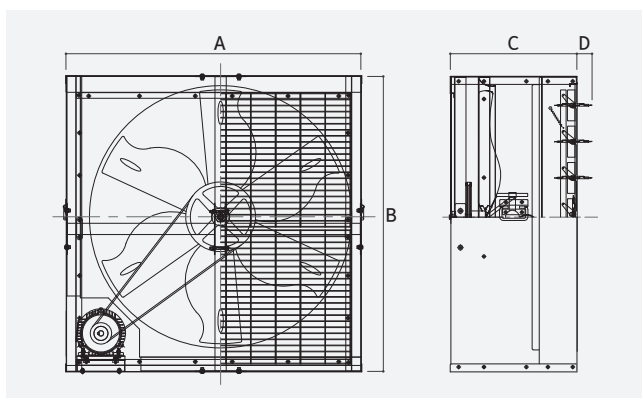
Slim Hanger Fan

■ Feature

- Belt-drive type
- Suitable for where high flowrate is required
- Application of stainless-steel blades with low noise and high flowrate
- Application of blades with self-cleaning function and enhanced efficiency
- Application of switching device in shutter with centrifugal rotational force applied
- Extended useable life, and less breakdown
- Application of high-performance type motors, premium type motors

- GI casing (Galvanized Iron)
- SUS impeller (Stainless Steel)
- IP54 motor
- Class F insulation

■ Drawing



■ Dimension

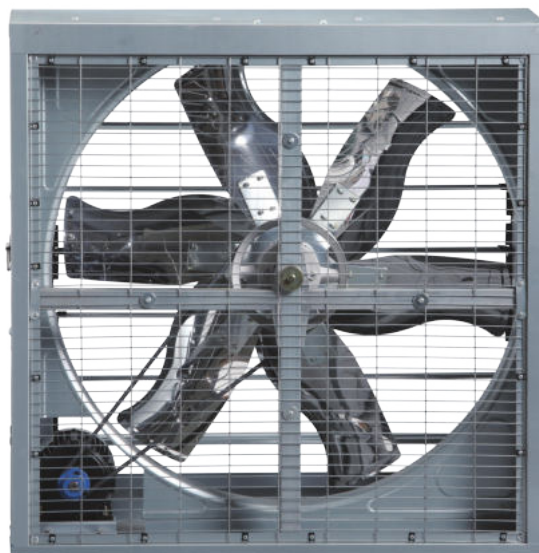
(Unit:mm)

Model No.	A	B	C	D
DR-FB1000TH	1,050	1,050	450	50
DR-FB1380TH (1.5kW)	1,380	1,380	450	40
DR-FB1380TH (2.2kW)			750	

■ Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (Φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-FB1000TH	15,000	90	3	380	4	750	1.2	470	66	74
DR-FB1380TH	29,000	120				1,500	2.6	470	71	100
	36,000	170				2,200	3.5	550	76	110

*The above data can be changed without notice for quality control.

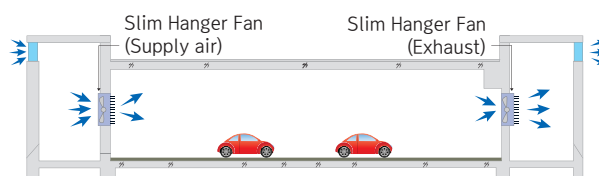
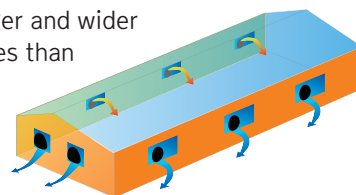


■ Use

- Ventilation for injection-molding factories and greenhouses
- Ventilation for farms where creation of pleasant environments is required
- Air supply and exhaust, prevention of condensation in underground parking garages, and air supply and exhaust for gyms, auditoriums, and factories

■ Installation method

- Installation on the walls in 10mm longer and wider size of holes than standard size of a ventilator



Single Fan

Feature

- Ease of installation and maintenance
- No need of ducts
- Integrated low-noise fan with eco-friendly nozzle
- Energy saving effect

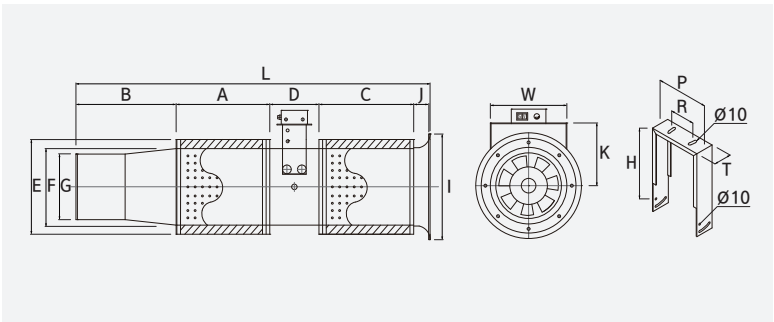
- Steel casing
- Aluminium impeller
- Steel nozzle
- Casing thickness: 3T
- IP 22
- Insulation class B



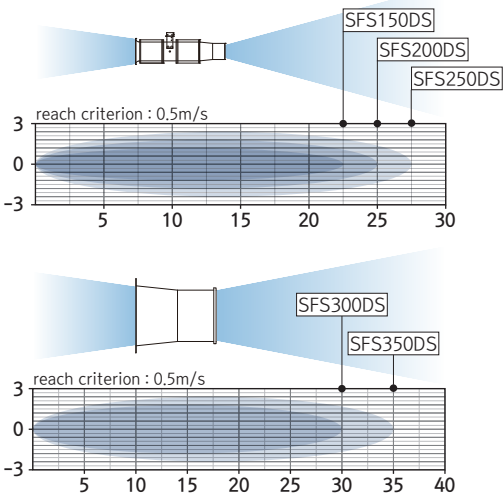
Use

- Ventilation for underground parking garages
- Ventilation for factories
- Ventilation for distribution centers
- Ventilation for gyms

Drawing



Airflow distribution chart of single fan



Dimension

(Unit:mm)

MODEL No.	A	B	C	D	E	F	G	H	I	J	K	L	P	R	T	W
DR-SFS150/200/250DS	250	280	255	120	280	230	175	345	280	45	172	950	250	180	70	210
DR-SFS300DS	315	300	300	160	350	290	250		370	43	262	1,100	345	293	120	343
DR-SFS350DS	405		407	200	400	350	290		430			1,355				

Specification

MODEL No.	Max Air Volume (CMH)	Max Static pressure (Pa)	Phase (φ)	Volt (V)	Poles (P)	Input (W)	Ampere (A)	RPM	Noise (dB at 3m)	Weight (Kg)
DR-SFS150DS	1,200	250	1	220	2	170	0.7	2,770	57	8.5
DR-SFS200DS	1,500	220				185				
DR-SFS250DS	1,800	260				210				
DR-SFS300DS	2,220	260				280	1.18	2,800	55	16
DR-SFS350DS	2,760	160			4	320	1.39	1,370	63	27.2

*The above data can be changed without notice for quality control.

Air Curtain (Premium)

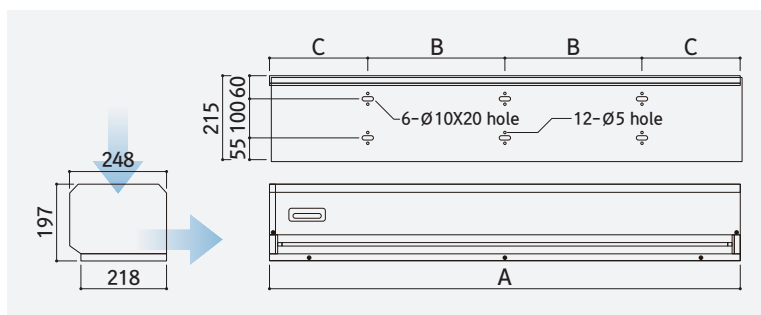
- SPCC casing
(Steel Plate Cold Commercial)
- ABS impeller
(Acrylonitrile butadiene styrene)
- IP44 motor
- Class B insulation



■ Feature

- Enhanced effect of low noise and noise prevention by application of Sirocco fan
- Realization of low vibration by application of integrated motors with body frame
- Neat exterior by application of grille method at the back side
- Effect accessible height around 2.0m~2.5m
- Speed control : adjustable wind speed to optimal level by application of three-step speed control system (high/medium/low)
- Operation method : use of remote controls or operation of interactive sensor

■ Drawing



■ Dimension

(Unit:mm)

Model No.	A	B	C
DR-FAP09DSA	900	300	150
DR-FAP10DSA	1,000	350	150
DR-FAP12DSA	1,200	350	250
DR-FAP15DSA	1,500	500	250

■ Specification

Model No.	Speed	Max Air Volume (CMH)	Air velocity (m/s)	Phase (φ)	Voltage (V)	Poles (P)	Input (W)	Ampere (A)	Noise (dB at 3m)	Weight (kg)	Size (W*H*L)
DR-FAP09DSA	H	1,800	20	1	220	2	352	1.6	59	10.5	248*197*900
	M	1,500	17					1.4	56		
	L	1,440	14					1.3	51		
DR-FAP10DSA	H	1,800	20				352	1.6	59	11	248*197*1,000
	M	1,500	17					1.4	56		
	L	1,440	14					1.3	51		
DR-FAP12DSA	H	1,860	20				460	2.07	60	13	248*197*1,200
	M	1,620	18					1.86	58		
	L	1,500	16					1.48	52		
DR-FAP15DSA	H	2,040	20				650	3.01	60	16	248*197*1,500
	M	1,920	18					2.74	58		
	L	1,740	16					2.48	52		

*The above data can be changed without notice for quality control.

Belt driven Sirocco Fan

List of applicable models

DR-SF#2SD/DD, DR-SF#2.5SD/DD, DR-SF#3SD/DD,
DR-SF#3.5SD/DD, DR-SF#4SD/DD, DR-SF#4.5SD/DD,
DR-SF#5SD/DD, DR-SF#5.5SD/DD, DR-SF#6SD/DD,
DR-SF#7SD/DD, DR-SF#8SD/DD, DR-SF#9SD/DD,
DR-SF#10SD/DD, DR-SF#11SD/DD, DR-SF#12SD/DD.

Analysis for model names

Ex) DR-SF#3SD

DR : Abbreviation for Daeryun Ind. (remark of manufacturing company)

SF : Sirocco fan (model line)

#3 : External diameter value of impeller divided by 6 inches (size of fan)

S : Single-suction type (D : double-suction type)

D : Double-sides supporting type
(bearing support method, S : single-side supporting type)



■ Forward-curved type impeller

■ Feature

- Blade in short length, wide width, more numbers
- Higher flowrate than other fans in identical circumferential speed
- Silent operation with low wind pressure values less than 60mmAq
- No effects received despite closure of some devices while several supply and exhaust systems are in operation at once due to mild variations of flowrate over air change rate as static pressure is formed into gentle curve in the graph compared to other centrifugal blowers
- Constant increase of required power below a certain number of revolutions as air volume increases
- Affordable price compared to other centrifugal blowers

※ KS certified company (KS B 6326 single-suction type 045/450)

AMCA certified (single-suction type : Model No. 2~5, double-suction type : Model No. 2~5)

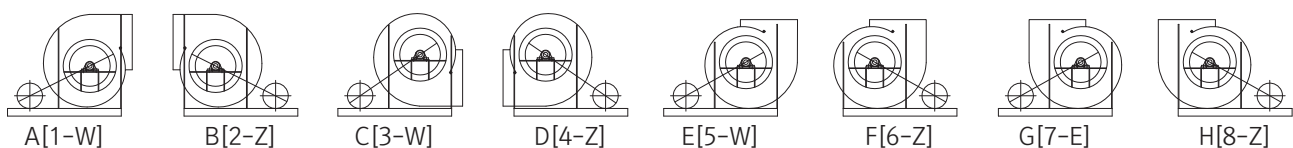
KARSE certified (single-suction type : Model No. 2~5, double-suction type : Model No. 2~5)

- SPHC casing (Steel Plate Hot Commercial)
- SPCC impeller (Steel Plate Cold Commercial)
- IP54 motor
- Class F insulation

■ Use

- General use in very wide range such as supply and exhaust, heated and cool air blowing, air-conditioning, etc

■ Direction of fan rotation (outlet position viewed by inlet side)



Belt driven Airfoil Fan

List of applicable models

DR-AF#2SD/DD, DR-AF#2.5SD/DD, DR-AF#3SD/DD,
DR-AF#3.5SD/DD, DR-AF#4SD/DD, DR-AF#4.5SD/DD,
DR-AF#5SD/DD, DR-AF#5.5SD/DD, DR-AF#6SD/DD,
DR-AF#7SD/DD, DR-AF#8SD/DD, DR-AF#9SD/DD,
DR-AF#10SD/DD, DR-AF#11SD/DD, DR-AF#12SD/DD.

Analysis for model names

Ex) DR-AF#3SD

DR : Abbreviation for Daeryun Ind. (remark of manufacturing company)

AF : Airfoil fan (model line)

#3 : External diameter value of impeller divided by 6 inches (size of fan)

S : Single-suction type (D : double-suction type)

D : Double-sides supporting type
(bearing support method, S : single-side supporting type)



■ Airfoil type impeller

■ Feature

- Available for silent operation with less turbulence near the blades by application of airfoil type to cross section
- Reasonable cost of operation with high efficiency and less usage of motor
- Low rate of overload as required power decreases instead of increasing despite flowrate increases again when required power is reached to the maximum level below a certain number of revolutions
- Maximum performance in operating pressure range of 100~150mmAq from relatively highly designed static pressure around 50~200mmAq

※ AMCA certified (single-suction type : Model No. 2~5, double-suction type : Model No. 2~5)

KARSE certified (single-suction type : Model No. 2~5, double-suction type : Model No. 2~5)

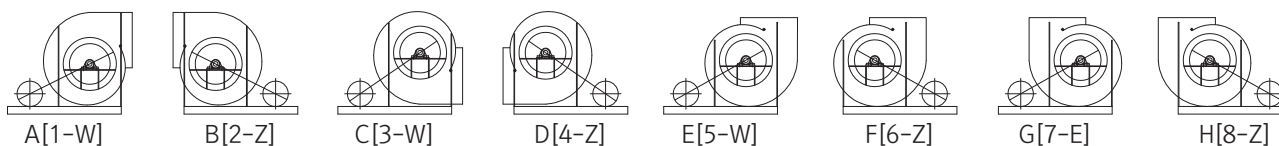
- SPHC casing (Steel Plate Hot Commercial)
- SPCC impeller (Steel Plate Cold Commercial)

- IP54 motor
- Class F insulation

■ Use

- General use in very wide range such as supply and exhaust, heated and cool air blowing, air-conditioning, etc

■ Direction of fan rotation (outlet position viewed by inlet side)



Belt driven Turbo Fan

List of applicable models

DR-TF#2SS, DR-TF#2.5SS,
DR-TF#3SS, DR-TF#3.5SS,
DR-TF#4SS, DR-TF#4.5SS,
DR-TF#5SS.

Analysis for model names

Ex) DR-TF#3SD

DR : Abbreviation for Daeryun Ind. (remark of manufacturing company)

TF : Turbo fan (model line)

#3 : External diameter value of impeller divided by 6 inches (size of fan)

S : Single-suction type (D : double-suction type)

D : Double-sides supporting type
(bearing support method, S : single-side supporting type)



■ Backward-curved type impeller

■ Feature

- Efficient performance of blow-in and blow-off in larger quantities than turbo blower does
- Optimum wind pressure in high level around 150~1,000mmAq
- Use in wide range through realization of high efficiency and high-speed rotation of impeller structure with powerfulness, solidity, and fluid dynamic performance which is well within the bounds of practicability
- Available for large sized structure, and easy-to-change number of revolution based on operating conditions

※ AMCA certified (single-suction type : Model No. 2~5)

KARSE certified (single-suction type : Model No. 2~5)

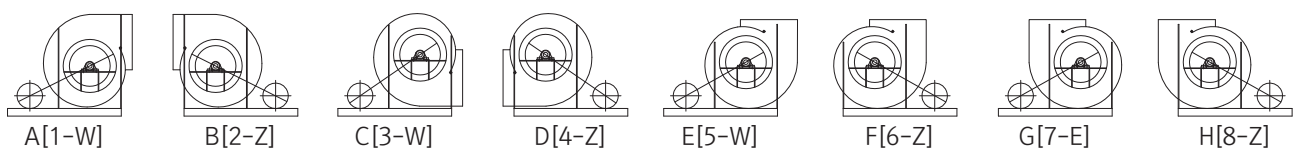
- SPHC casing (Steel Plate Hot Commercial)
- SPCC impeller (Steel Plate Cold Commercial)

- IP54 motor
- Class F insulation

■ Use

- Various sorts of industrial use in wide range such as blow-in and blow-off system for boilers, and pulp and paper mills, dust collectors, chemical plants, blowers, cement plants, etc

■ Direction of fan rotation (outlet position viewed by inlet side)



Energy Recovery Ventilator

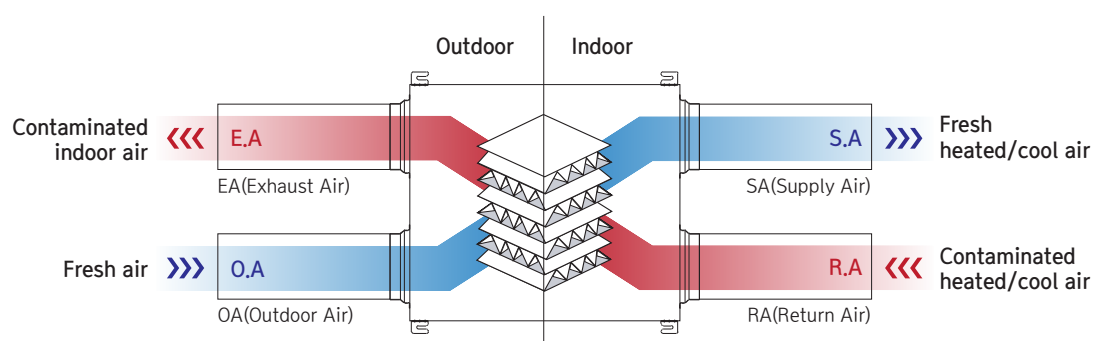


DR-PF15DSD | DR-PF25DSD
DR-PF35DSD

DR-PF50DSC | DR-PF80FSD
DR-PF100FSC | DR-PF150FSC

■ Feature

1. Certified as high-efficiency energy material and equipment
2. Minimized cost and space for installation through the ease of recess in the ceiling by application of integrated energy recovery element with fan and filter
3. Application of BLDC motor with low noise, high static pressure, and power-saving effect
4. Prevention of contaminants from entering by application of green and high-performance filter
5. Design with low-noise and thin-film type by application of new type of energy recovery ventilator as embedded structure
6. Application of multifunctional controller
7. Available for interconnection with central controller, EHP, and home network (optional)
8. ISO9001 certified (QMS-0255, by Korean Standards Association)
9. Guaranteed PL insurance worth three hundred million won (accident insurance of Samsung Fire & Marine Insurance)
10. Application in resorts, houses, offices, schools, apartment buildings, multi-use buildings, etc



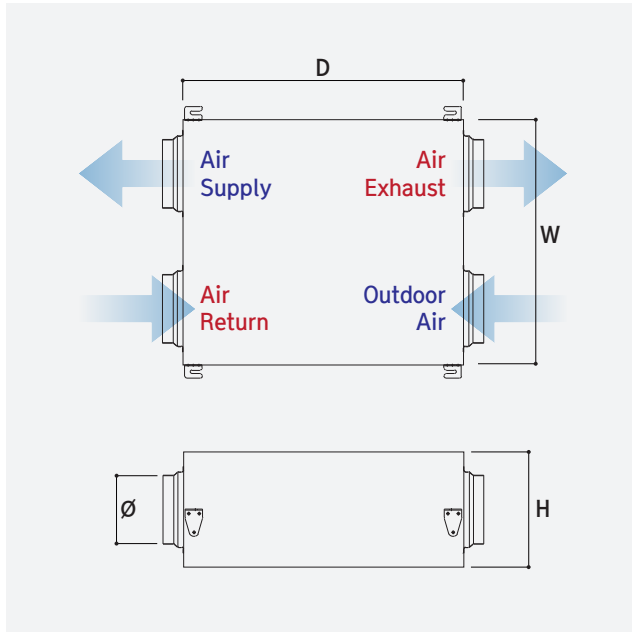
■ Overview of energy recovery system

Energy recovery is conducted between plates by temperature difference between fresh outdoor air and contaminated indoor air while each of air passes through the energy recovery ventilator in different layers and directions as following image.

Ex) Energy recovery in winter season

Inflow of cold air from outside & release of heated air → Supply of fresh outdoor air & recovery of waste heat from inside

■ Drawing



- Plastic casing (PF15~35) and Steel Casing (PF50~150FSC)
- Plastic impeller (PF15~50, 150) and AL impeller (PF80,100)
- IP44 motor
- Class B insulation

■ Dimension

(Unit:mm)

Plastic	Size			Duct (Ø)	Weight (kg)
	W	H	D		
DR-PF15DSD	493	220	529	125	7.9
DR-PF25DSD	602	250	602	125	11
DR-PF35DSD	602	250	602	125	11
Steel	W	H	D	(Ø)	(kg)
DR-PF50DSC	700	330	800	200	45
DR-PF80FSD	780	360	860	250	55
DR-PF100FSC	820	360	920	250	65
DR-PF150FSC	950	380	1,050	250	80

■ Specification

Plastic	Air Volume (CMH)			Power Consumption (W)			Input (W)	Out-of-air Static Pressure (Pa)			Noise (dB at 3m)	Temperature Exchange Efficiency (Cooling/Heating%)	Heat Transfer Exchange Efficiency (Cooling/Heating%)	Power ($\$/V/Hz$)
	SH	HI	LO	SH	HI	LO		SH	HI	LO				
DR-PF15DSD	150	150	90	Less than 49W \pm 10%			49	100	70	50	28	75/79	60/74	1/220/50
DR-PF25DSD	250	250	170	Less than 90W \pm 10%			100				30	71/75	57/72	
DR-PF35DSD	350	350	180	Less than 143W \pm 10%			123				32	63/75	48/72	
Steel	SH	HI	LO	SH	HI	LO	(W)	SH	HI	LO	(dB at 3m)	(%)	(%)	($\$/V/Hz$)
DR-PF50DSC	500	500	300	200	190	95	140	150	100	50	34	76	70	1/220/50
DR-PF80FSD	800	800	500	360	337	190	260				38	75	71	
DR-PF100FSC	1,000	1,000	600	596	557	265	600				39	75	70	
DR-PF150FSC	1,500	1,500	900	670	595	370	600				41	74	69	

*The above data can be changed without notice for quality control.

Roof Fan

■ Feature

- Enhanced stability with simple structure, low pressure, low noise
- Enhanced stability in installation with simple process by application of hoods in square-shaped structure
- Ease of maintenance by application of easily separable upper roof

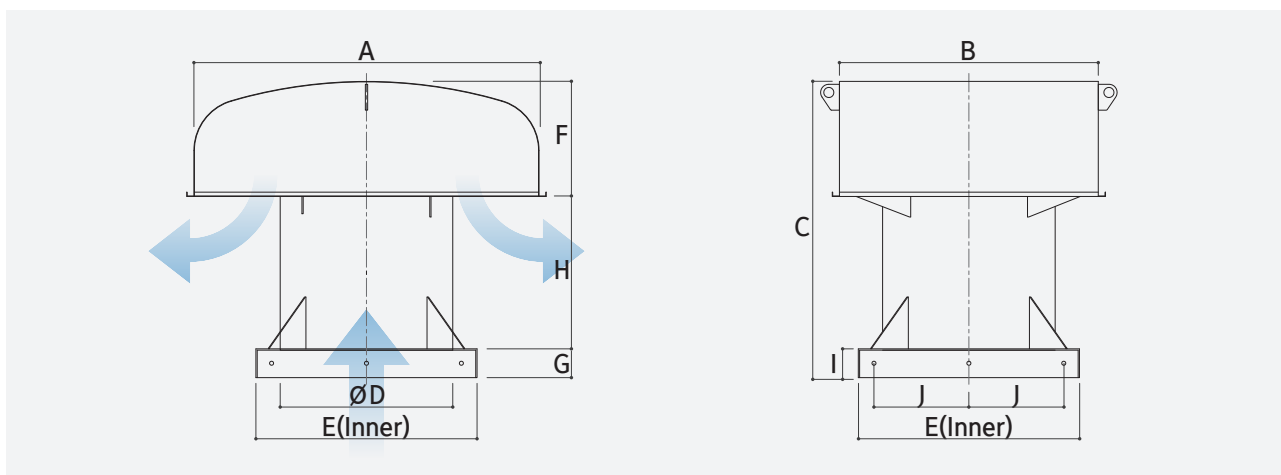
- SPCC casing (Steel Plate Cold Commercial)
- FRP impeller (Glass Fiber Reinforced Plastic)
- IP54 motor
- Class F insulation



■ Use

- Ventilation for buildings structures, industrial facilities, factories, warehouses, etc
- Manufacturing plants or where dust, smoke, stench, heat, high flowrates are accompanied

■ Drawing



■ Dimension

(Unit:mm)

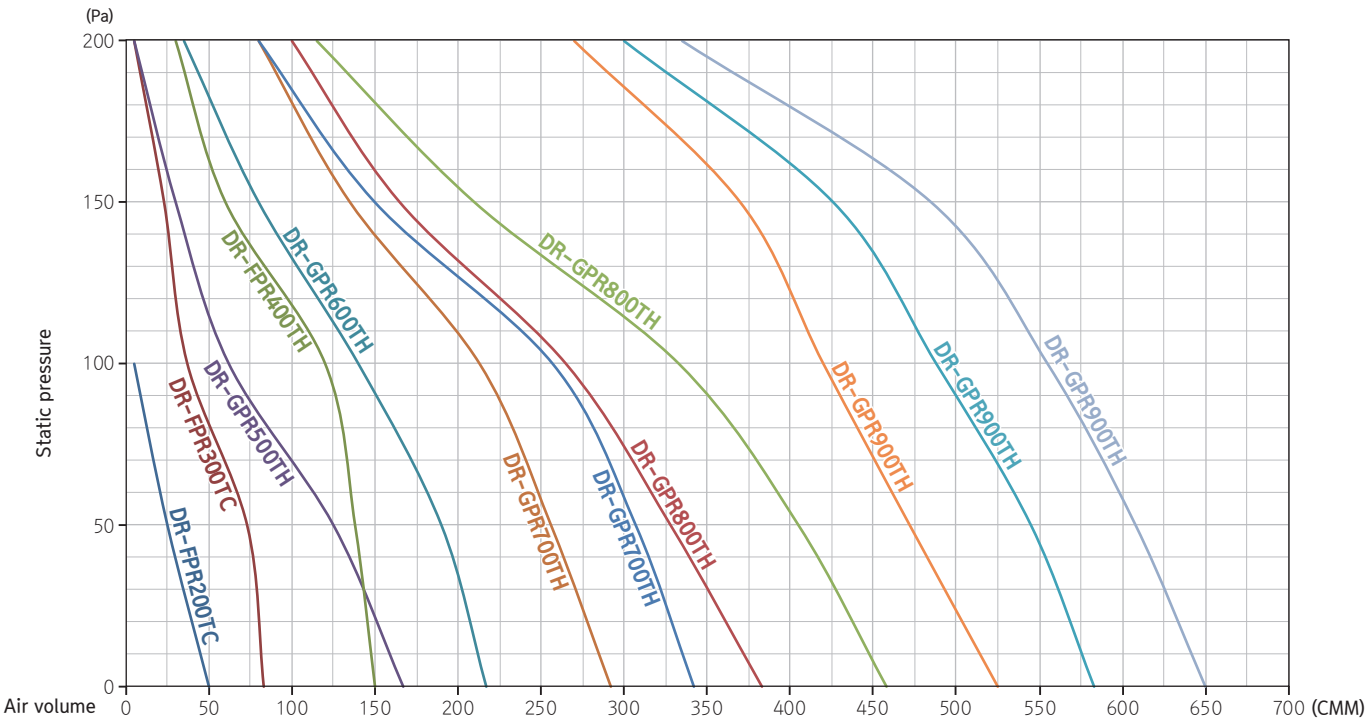
Model No.		A	B	C	D	E	F	G	H	I	J	K
Axial flow type	DR-FPR200TC	600	500	680	320	400	250	100	330	50	150	14
	DR-FPR300TC	800	600	730	420	520	300		330		210	
	DR-FPR400TH	1,000	750	830	520	650	350		380		275	
	DR-GPR500TH	1,200	900	1,030	620	760	400		530		330	
	DR-GPR600TH	1,400	1,050	1,160	720	900	450		610		370	
	DR-GPR700TH	1,500	1,220	1,310	820	1,000	500		710		420	
	DR-GPR800TH	1,600	1,350	1,430	920	1,150	550		780		495	
	DR-GPR900TH	1,700	1,500	1,600	1,020	1,300	600		900		570	



Axial-flow type blade

Solid and lightweight structure.
Low noise, high efficiency, less power consumption Glass-fiber-reinforced plastics (GFRP)

Performance curve



Specification

Axial flow type	Impeller size (mm)	Phase (¢)	Volt (V)	Poles (P)	Input (kW)	Air Volume(m³/min) / Pressure(Pa)					Noise (dB at 3m)
						0Pa	50Pa	100Pa	150Pa	200Pa	
						CMM	CMM	CMM	CMM	CMM	
DR-FPR200TC	300	3	380	4	0.4	50	25	5			77
DR-FPR300TC	400			4	0.4	83	73	37	23	5	81
DR-FPR400TH	500			4	0.75	150	138	120	60	30	84
DR-GPR500TH	600			6	0.75	167	125	62	30	5	84
DR-GPR600TH	700			6	1.5	217	190	140	80	35	85
DR-GPR700TH	800			6	1.5	292	256	213	135	80	87
	800			6	2.2	342	307	257	150	80	87
DR-GPR800TH	900			6	2.2	383	328	265	165	100	88
	900			6	3.7	458	405	333	210	115	89
DR-GPR900TH	1000			6	5.5	525	472	420	370	270	89
	1000			6	5.5	583	545	488	426	300	90
	1000			6	7.5	650	608	555	485	335	90

*The above data can be changed without notice for quality control.

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DR Fan&Blower

DR Energy recovery ventilation

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