



SINCE 1909
JAPAN



INDUSTRIAL VENTILATION FAN

HIGH PERFORMANCE | LOW-NOISE | DURABLE



KDK Company, Division of PES
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<http://kdk.jp>

-Actual colors may vary slightly from those shown.
-Specifications are subject to change without prior notice.

Industrial Type Ventilation Fan



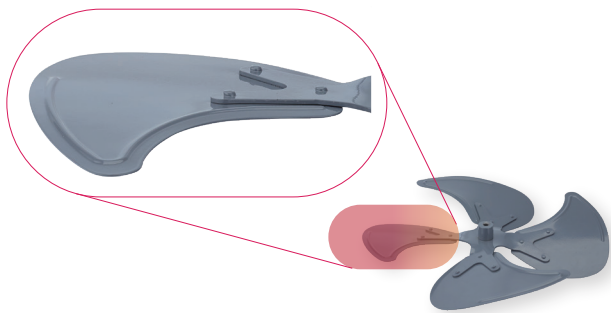
High Performance



Low-noise



Durable



Fans with 3D Wave-shaped Cross Section Blade*

*The 3D wave-shaped blade only applicable to some of the models

Shutter Series

Usage: Factory Warehouse Retail Store Commercial Kitchen

40KAQA

High Pressure

Rust Resistant

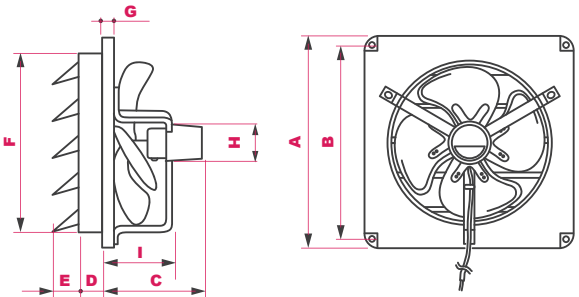
Shutter



Dimension

Unit : mm

Model	A	B	C	D	E	F	G	H	I
40KAQA	510	480	215	40	55	434	10	126	130



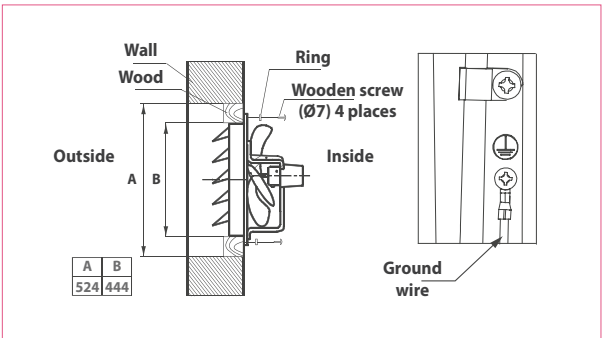
- With shutter
- Durable powder coating for rust resistance
- High performance condenser motor with thermal cut-off
- Operable at an ambient temperature range from -10°C to +50°C
- Motor insulation Class E
- IP protection: IPX4 (outside)

Specification

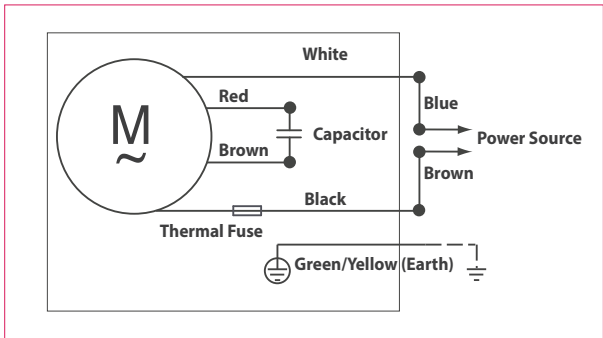
Model	Voltage [V]	Frequency [Hz]	Air Volume		Current [A]	Input [W]	Noise [dB(A)]	RPM	Weight [kg]	Installation Space W x L [mm]
			[CMH]	[CFM]						
40KAQA	220	50	1,880	1,105	0.260	47.0	51.0	1,230 ~ 1,370	6.4	444 x 444
	230		1,920	1,130	0.270	52.0	51.0	1,250 ~ 1,390		
	240		1,960	1,155	0.290	59.0	51.0	1,270 ~ 1,410		
	230	60	2,130	1,254	0.310	67.0	52.5	1,400 ~ 1,540		

Note: RPM data is for reference only. Values may vary depending on different conditions.
1.The value of power consumption, air volume and noise are specified at the static pressure of 0 Pa.
2.The value of air volume is the mean value which is measured by our company.
3.The value of noise level is measured at 1m apart from the left, the right and the front of product, then get the average of three values.
4.The value of noise level is A weight average sound pressure level, the mean value is measured by our company.

Installation



Wiring Diagram



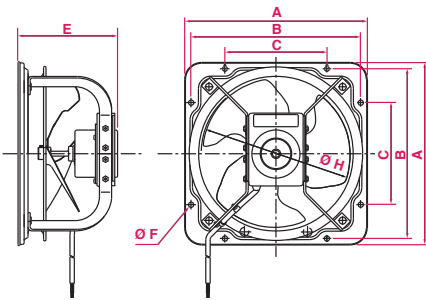
High Pressure Series

Usage: Factory Warehouse Retail Store Commercial Kitchen

25GSE / 30GSE / 35GSE

- Single Phase
- Reversible
- Optional Shutter

Model	Dimension							
	Unit : mm							
25GSE	A	B	C	D	E	F	G	H
25GSE	327	298	165	-	171	10	-	250
30GSE	378	349	210	-	200	10	-	300
35GSE	467	434	250	-	235	12	-	350



- Bell mouth construction with distinctive wave-shaped blade
- Durable powder coating
- Operable at an ambient temperature range from -10°C to +50°C
- Possible to install horizontally or vertically
- Motor insulation Class E
- IP protection: IPX4 (outside)

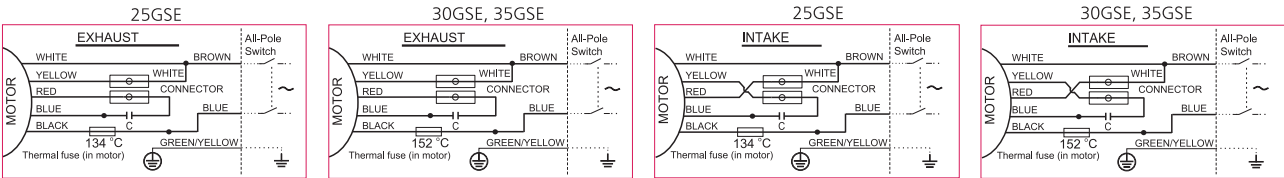
Specification

Model	Voltage [V]	Frequency [Hz]	Air Volume		Consumption [W]	Noise [dB(A)]	Weight [kg]
			[CMH]	[CFM]			
25GSE	220	50	1,280	753	41	44	2.0
		60	1,440	848	57	46	
	230	50	1,280	753	43	44	
30GSE	220	50	1,280	753	44	44	2.5
		60	2,150	1,265	87	49	
	230	50	2,390	1,407	119	51	
35GSE	220	50	2,150	1,265	92	49	2.9
		60	2,150	1,265	98	50	
	230	50	2,950	1,736	113	51	
35GSE	220	50	2,950	1,736	122	51	2.9
		60	3,380	1,989	161	54	

Test Condition

- Air volume, electric characteristic and noise are specified at the static pressure of 0 Pa
- The values of noise level is A weighted average sound pressure level, the mean values are measured by our company, within +3 to -7 dB tolerance
- The values of noise level are measured at 1 m apart from the side of fan body
- The values of air volume are the mid-points of results measured by our company, within ±10% tolerance

Wiring Diagram



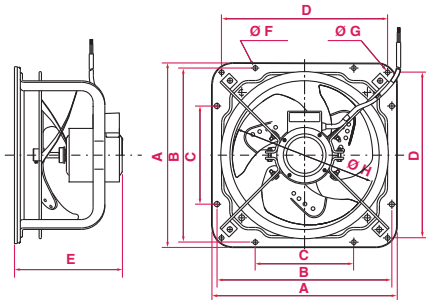
High Pressure Series

Usage: Factory Warehouse Retail Store Commercial Kitchen

40GSE

- Single Phase
- Reversible
- Optional Shutter

Model	Dimension							
	Unit : mm							
40GSE	A	B	C	D	E	F	G	H
40GSE	518	485	280	460	274	12	12	400



- Bell mouth construction with distinctive wave-shaped blade
- Durable powder coating
- Operable at an ambient temperature range from -10°C to +50°C
- Possible to install horizontally or vertically
- Motor insulation Class B
- IP protection: IPX4 (outside)

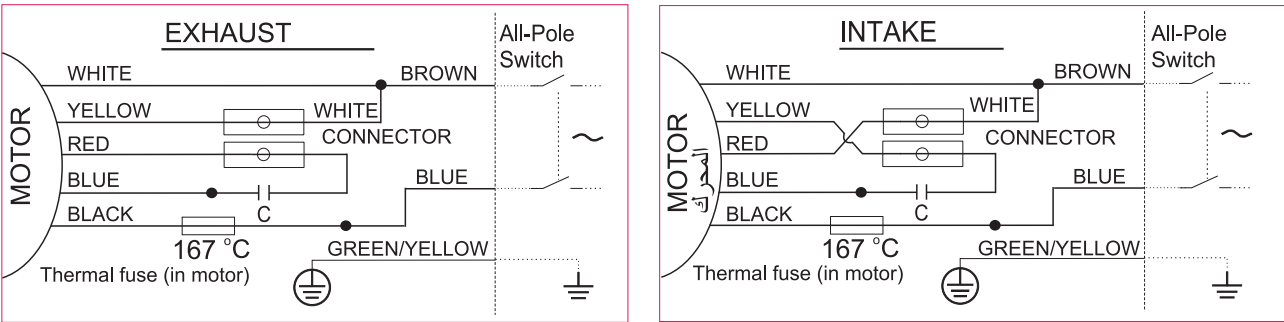
Specification

Model	Voltage [V]	Frequency [Hz]	Air Volume		Consumption [W]	Noise [dB(A)]	Weight [kg]
			[CMH]	[CFM]			
40GSE	220	50	3,900	2,295	141	54	19.0
		60	4,890	2,878	270	58	
	230	50	3,900	2,295	146	54	
40GSE	240	50	3,900	2,295	151	54	

Test Condition

- Air volume, electric characteristic and noise are specified at the static pressure of 0 Pa
- The values of noise level is A weighted average sound pressure level, the mean values are measured by our company, within +3 to -7 dB tolerance
- The values of noise level are measured at 1 m apart from the side of fan body
- The values of air volume are the mid-points of results measured by our company, within ±10% tolerance

Wiring Diagram



High Pressure Series

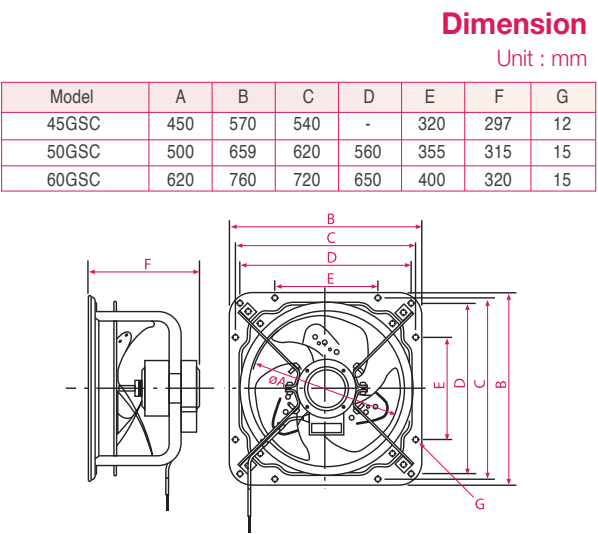
Usage: Factory Warehouse Retail Store Commercial Kitchen

45GSC / 50GSC / 60GSC

- Single Phase
- Reversible
- Optional Shutter



- Bell mouth construction with distinctive wave-shaped blade
- Durable powder coating
- Operable at an ambient temperature range from -10°C to +50°C
- Possible to install horizontally or vertically
- Motor insulation Class E



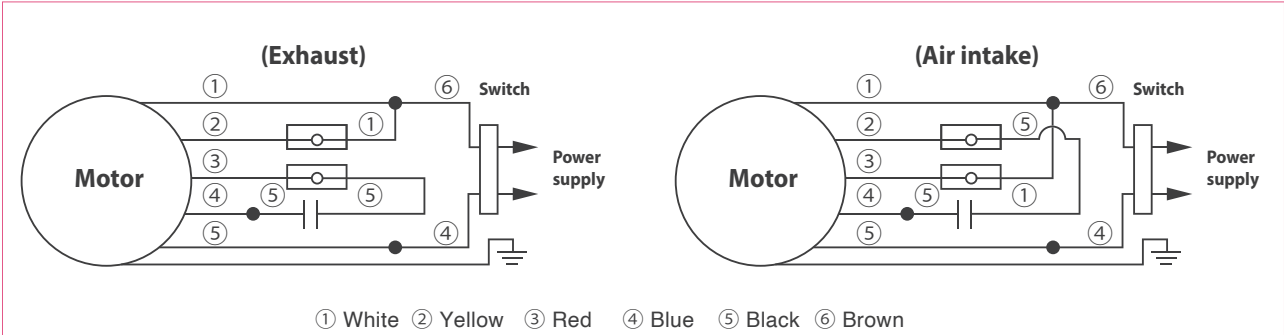
Specification

Model	Voltage [V]	Frequency [Hz]	Air Volume		Consumption [W]	Noise [dB(A)]	Weight [kg]
			[CMH]	[CFM]			
45GSC	220	50	5,200	3,061	227	51	19.0
		60	5,970	3,514	325	54	
	230	50	5,430	3,196	235	51	
		50	5,460	3,214	241	51	
50GSC	220	50	6,130	3,608	249	47	22.5
		60	7,100	4,179	326	51	
	230	50	6,420	3,779	258	47	
		50	6,480	3,814	271	47	
60GSC	220	50	8,040	4,732	245	50	34.0
		60	9,410	5,539	361	54	
	230	50	8,460	4,979	258	50	
		50	8,490	4,997	263	50	

Test Condition

- Air volume, electric characteristic and noise are specified at the static pressure of 0 Pa
- The values of noise level is A weighted average sound pressure level, the mean values are measured by our company, within +3 to -7 dB tolerance
- The values of noise level are measured at 1 m apart from the side of fan body
- The values of air volume are the mid-points of results measured by our company, within ±10% tolerance

Wiring Diagram



High Pressure Series

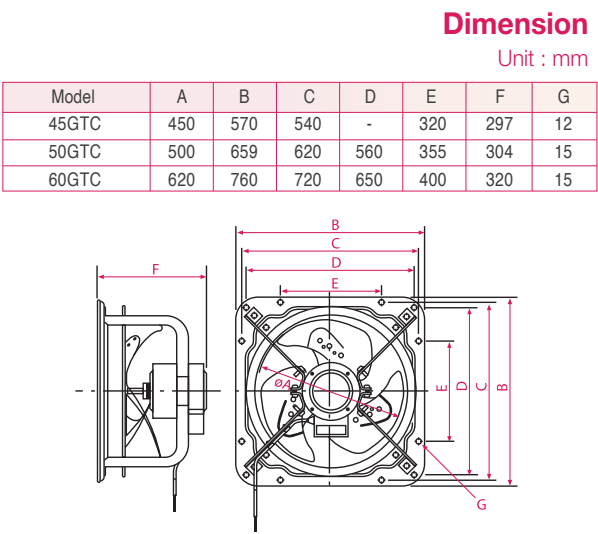
Usage: Factory Warehouse Retail Store Commercial Kitchen

45GTC / 50GTC / 60GTC

- Three Phase
- Reversible
- Optional Shutter



- Bell mouth construction with distinctive wave-shaped blade
- Durable powder coating
- Operable at an ambient temperature range from -10°C to +50°C
- Possible to install horizontally or vertically
- Motor insulation Class E



Specification

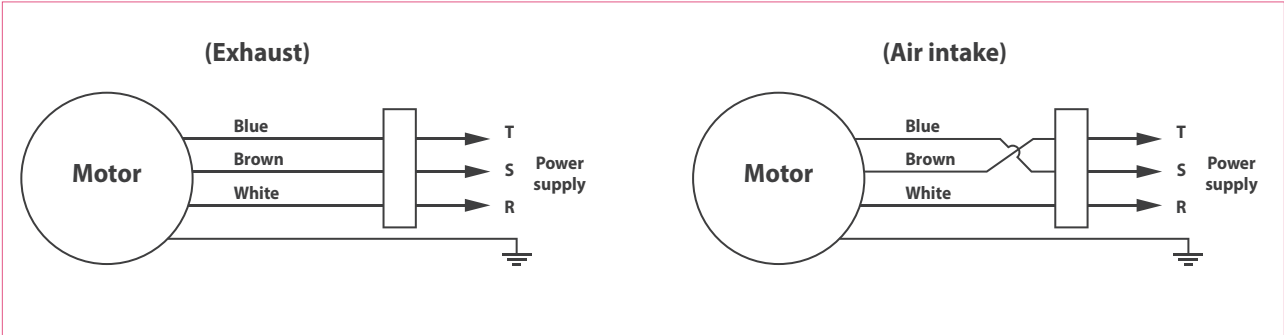
Model	Voltage [V]	Frequency [Hz]	Air Volume		Consumption [W]	RPM	Noise [dB(A)]	Weight [kg]
			[CMH]	[CFM]				
45GTC	380	50	5,520	3,249	220	1,450	52	18.5
		60	6,420	3,779	330	1,690	56	
50GTC	380	50	6,960	4,097	320	1,400	54	28.5
		60	8,010	4,715	475	1,590	58	
60GTC	380	50	9,420	5,544	310	940	49	34
		60	10,920	6,427	450	1,070	53	

- Performance certified is for installation type A: Free inlet, Free outlet with partition. Performance ratings include the effects of an inlet grill and backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.

- *the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.

- **the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Wiring Diagram

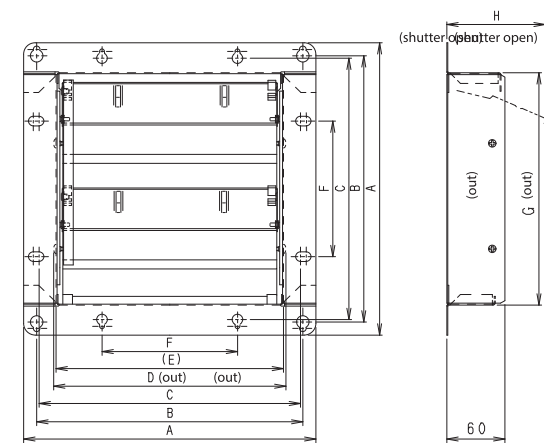


Optional Accessories

25GASC / 30GASC / 35GASC
40GASC / 45GASC / 50GASC / 55GASC



- Auto shutter for High Pressure Series
- Steel material
- Durable powder coating
- Available for wall mounting



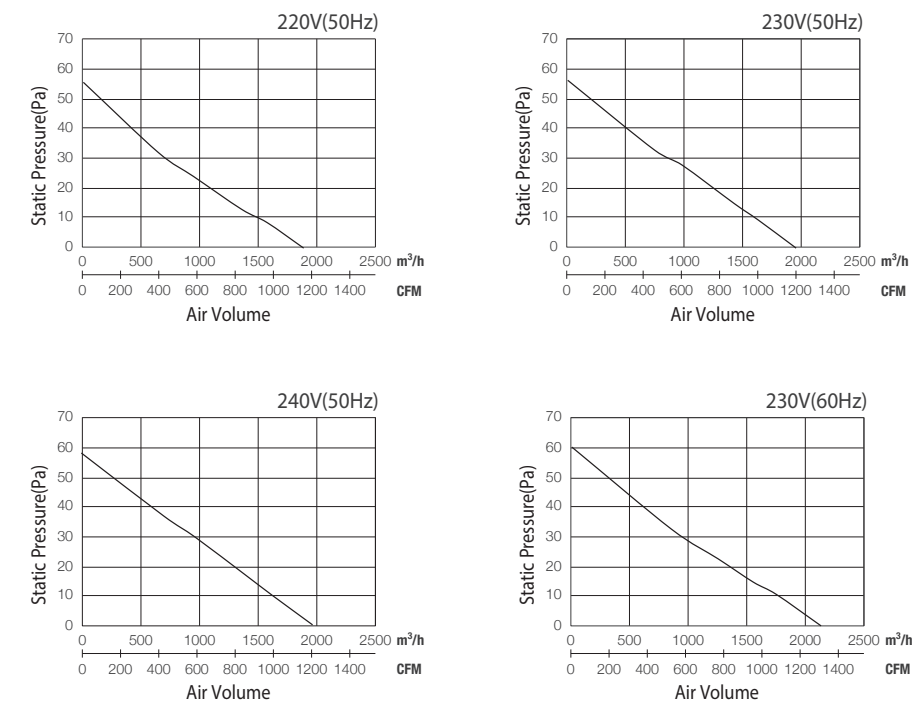
Dimension Unit : mm

Model	Size	A	B	C	D	E	F	G	H	No. of Shutter	Applicable for
25GASC	25cm/10"	330	303	298	268	263	165	268	137	2	25GSE
30GASC	30cm/12"	381	354	349	319	314	210	319	122	3	30GSE
35GASC	35cm/14"	468	433	434	389	384	250	389	137	3	35GSE
40GASC	40cm/16"	519	484	485	440	435	280	440	122	4	40GSE
45GASC	45cm/18"	574	539	540	492	487	320	492	137	5	45GSC,45GTC
50GASC	50cm/20"	660	625	620	545	540	355	545	122	5	50GSC,50GTC
55GASC	60cm/24"	760	725	720	662	657	440	662	122	6	60GSC,60GTC

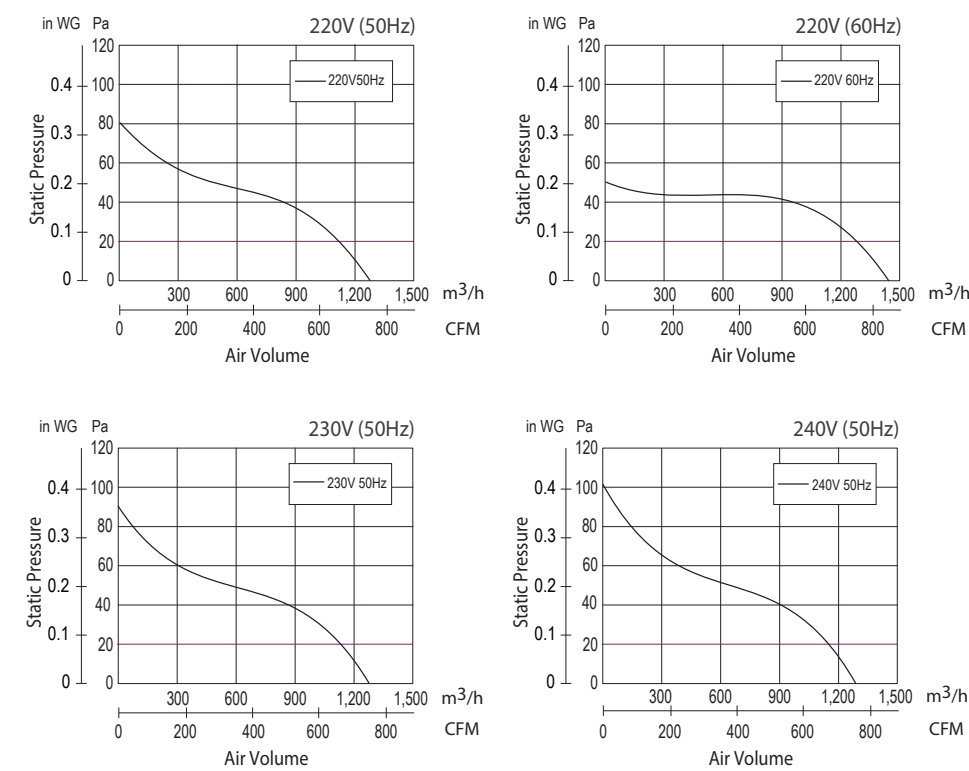
Performance Data Summary

Industrial Type Ventilation Fan

Shutter Series: 40KAQA



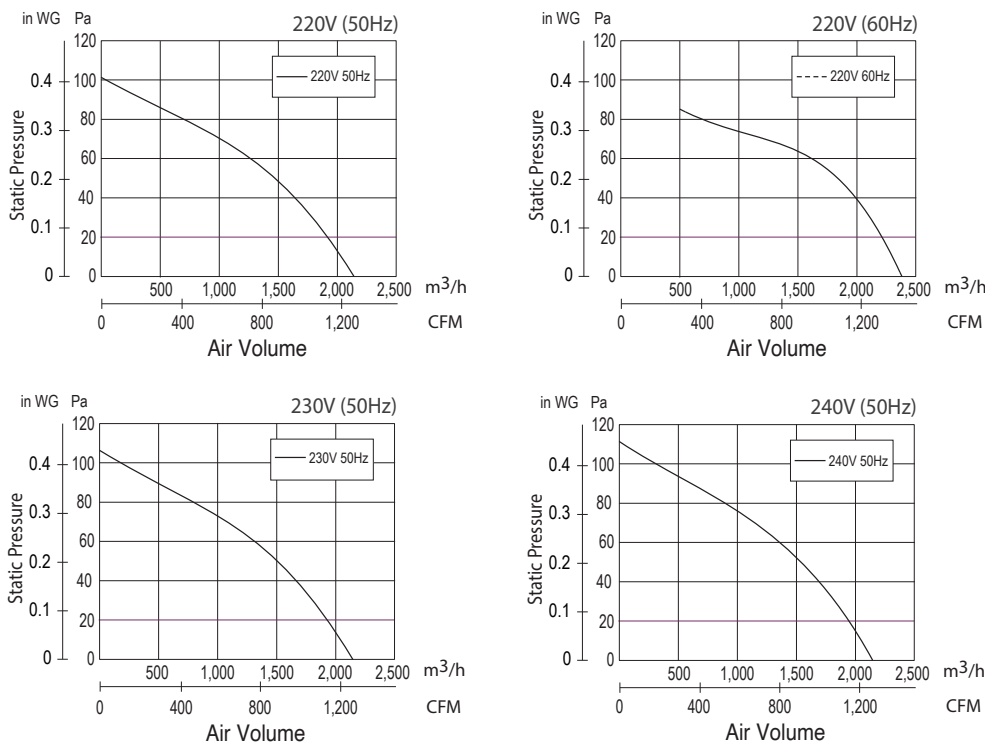
High Pressure Series: 25GSE



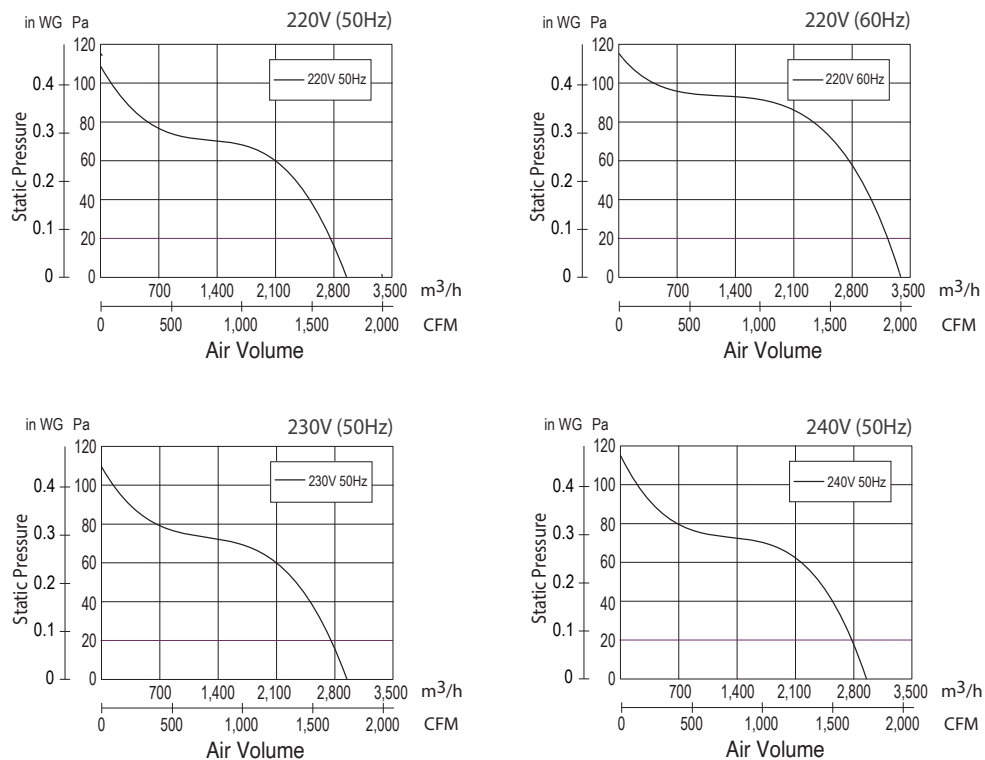
Performance Data Summary

Industrial Type Ventilation Fan

High Pressure Series: 30GSE

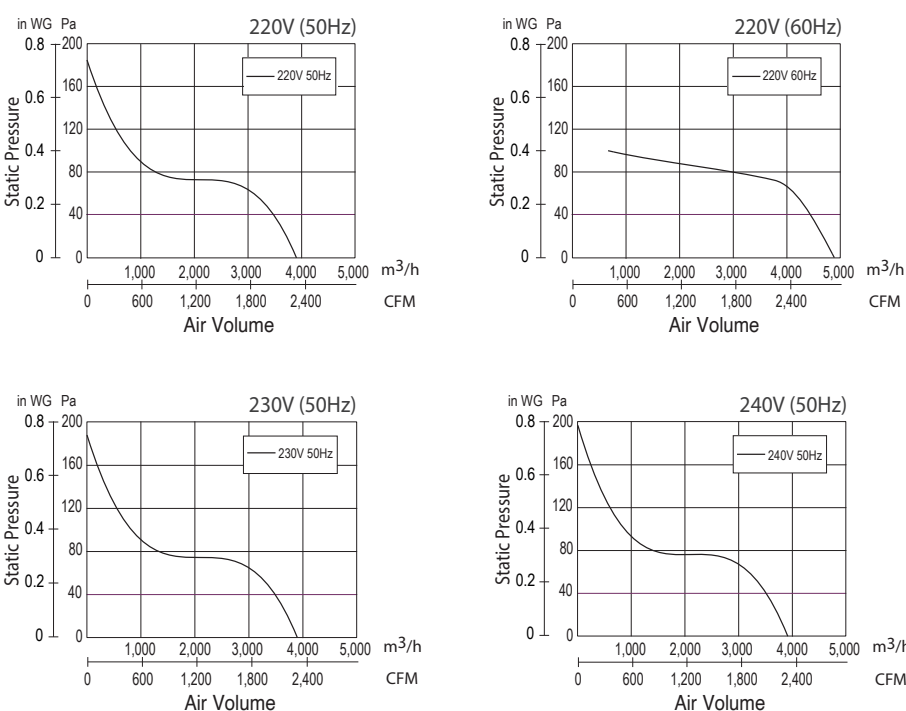


High Pressure Series: 35GSE

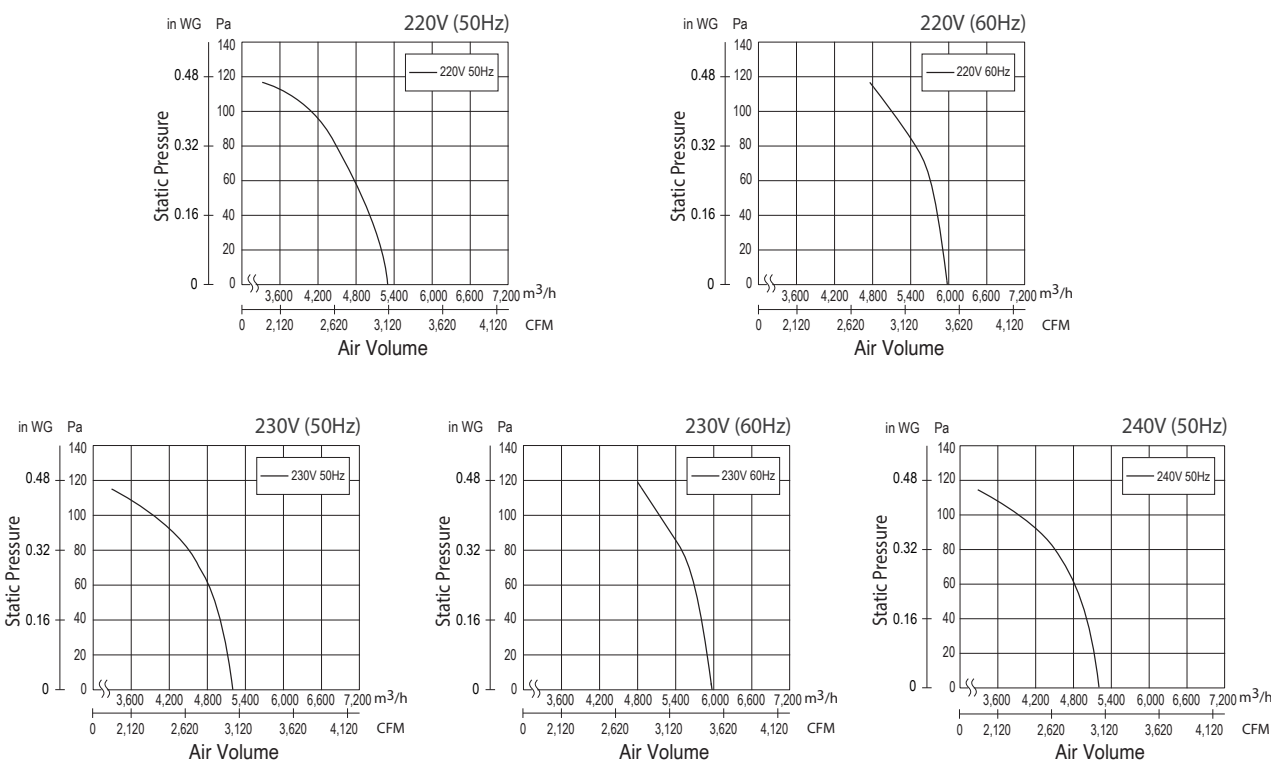


Industrial Type Ventilation Fan

High Pressure Series: 40GSE



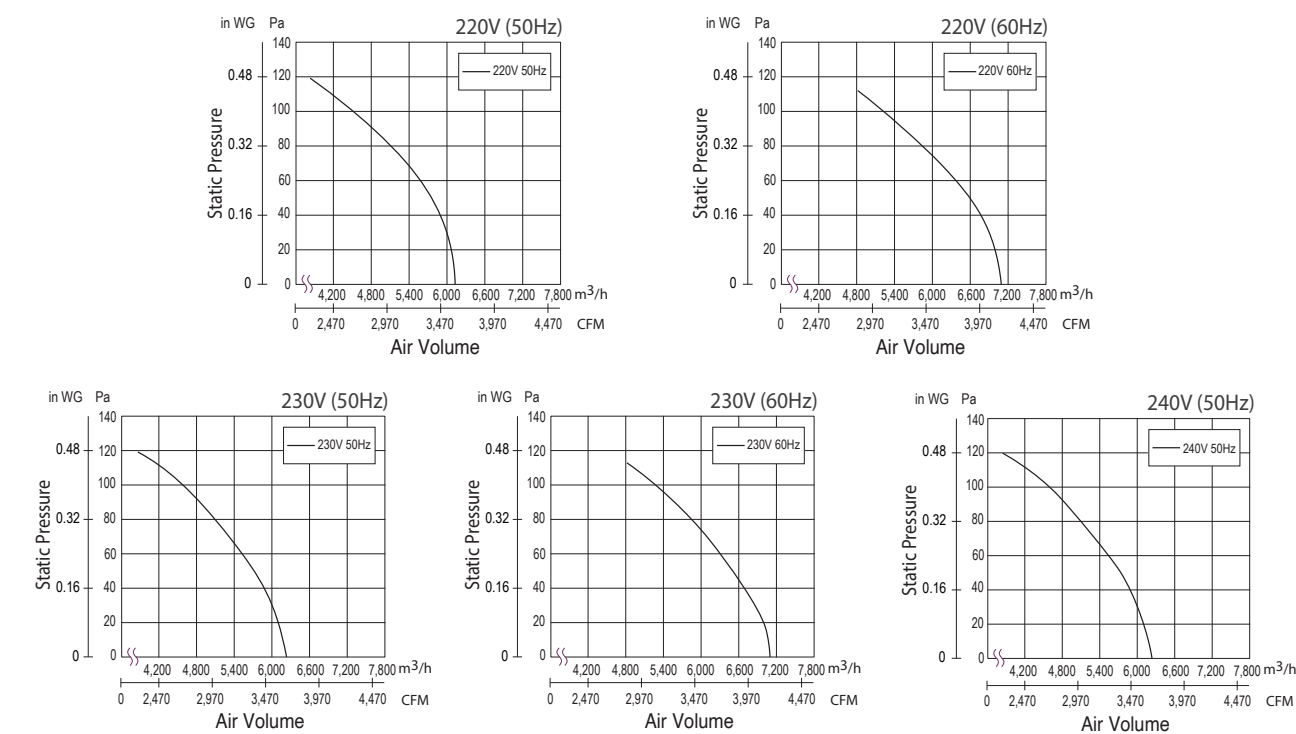
High Pressure Series: 45GSC



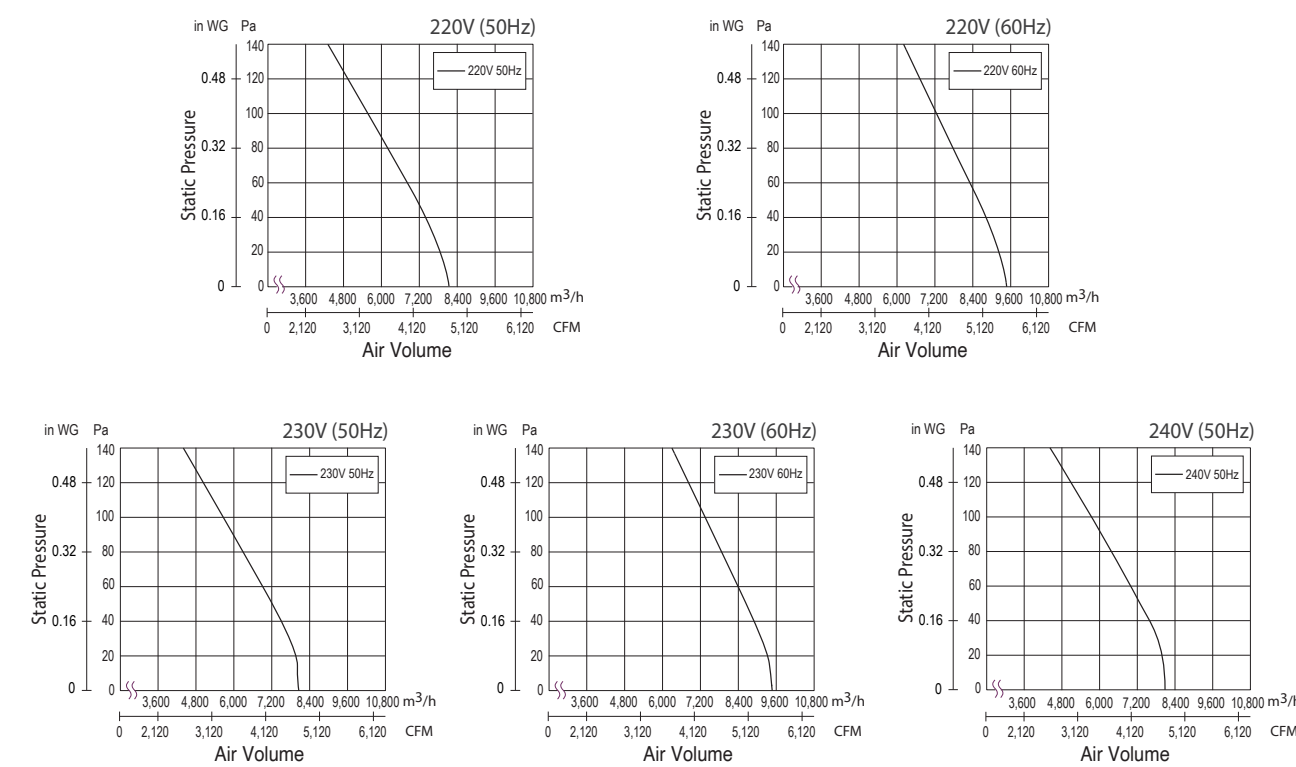
Performance Data Summary

Industrial Type Ventilation Fan

High Pressure Series: 50GSC

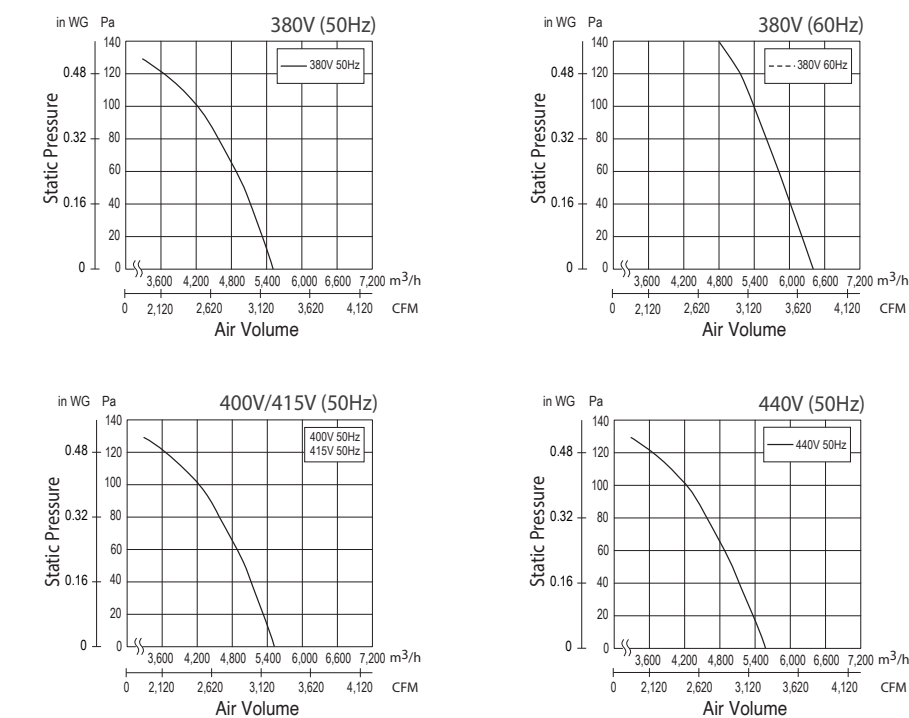


High Pressure Series: 60GSC

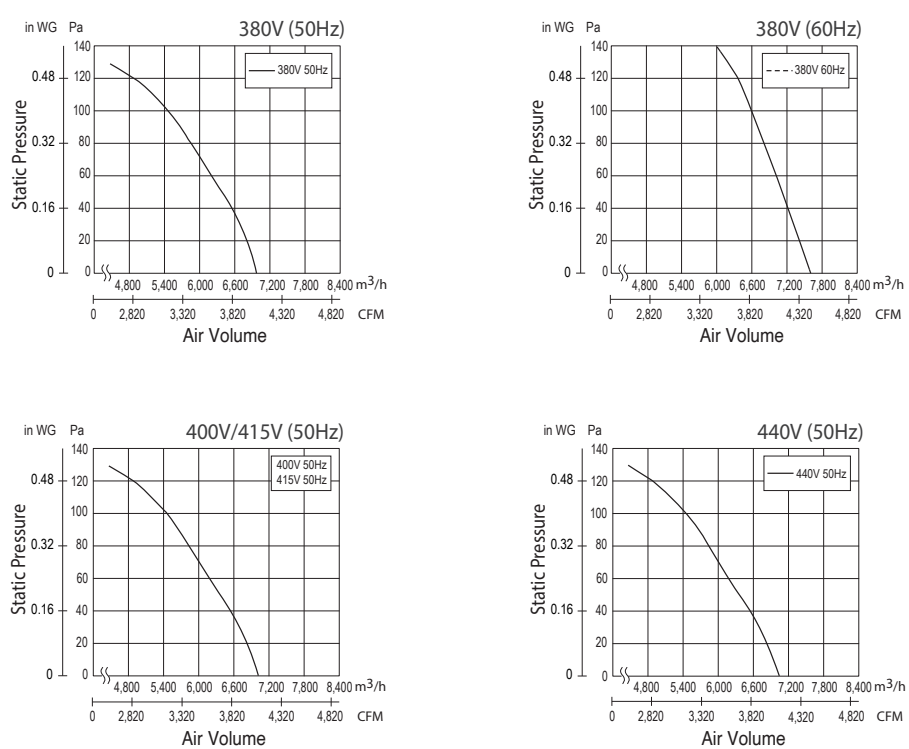


Industrial Type Ventilation Fan

High Pressure Series: 45GTC



High Pressure Series: 50GTC



Performance Data Summary

Industrial Type Ventilation Fan

High Pressure Series: 60GTC

