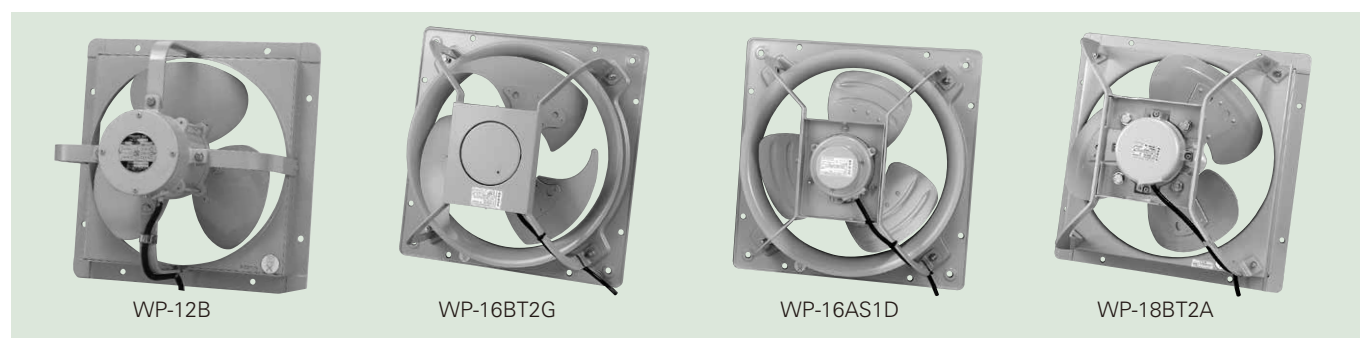




* Please note that the photo shows a typical example and that it may partly differ from the actual item.

Applications

For installation in a place with high humidity and outdoors

Feature

These pressure fans are equipped with outdoor motors suited for conditions of high humidity.

Notes on Installation

- Any model with the impeller diameter 35cm or more has a drain hole underneath the motor. (For installing the fan with the motor shaft positioned horizontally), make sure that the drain hole faces downward. When using it outdoors or under conditions of high humidity, remove the drain hole cap facing downward. When using it in any dusty place or when water comes into the fan, keep the cap attached and detach it occasionally to perform an inspection.
- It is standard to install the fan with the shaft positioned horizontally. If it is installed in a non-standard manner (e.g. at an attitude in which the shaft faces downward), make sure to specify it at the time of placing an order. Installation of any fan designed to be installed in the standard manner at an attitude in which it faces downward may cause failure.

Specification table

Airflow direction	Model	Impeller diameter (cm)	Number of poles (P)	Power supply (V)	Nominal output (W)	Air volume (m³/h)		Power consumption (W)		Allowable current (A)		Starting current (A)		Noise (dB(A))		Approx. mass (kg)	
						50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
Exhaust type	WP-10B	25	4	Single-phase100	20	570	690	31	37	0.7	0.7	0.9	0.8	45	49	5.5	
				Single-phase200						0.35	0.35	0.5	0.4				
	WP-12B	30		Single-phase100	50	1446	1704	66	83	1.2	1.5	2.8	3	51	55	8.5	
				Single-phase200						0.6	0.75	1.4	1.5				
	WP-14BS1G	35	4	Single-phase100	100	2660	3150	142	144	3.2	3	8.3	7.9	43.5	47	9.4	
	WP-14BS2G			Single-phase200						1.6	1.5	4.3	4.2				
	WP-14BT2G			Three-phase200						1.25	1.15	4.1	3.9				
	WP-16BS1G	40		Single-phase100	200	4080	4680	188	240	3.5	3.45	8.3	7.9	46	50	11	
	WP-16BS2G			Single-phase200				200	250	1.8	1.8	4.3	4.2				
	WP-16BT2G			Three-phase200				4022	4543	162	227	1.2	1.2				4.1
	6WP-16BS1G		Single-phase100	100				2880	3340	86	101	1.4	1.6				2.8
	6WP-16BS2G	Single-phase200	98		116	0.72	0.84			1.6	1.6						
	6WP-16BT2G	Three-phase200	114		118	0.9	0.9			2.2	2.1						
	WP-18BS1A	45	6	Single-phase100	250	5010	5838	230	340	5.5	7.5	11	11	54	58	23.5	
	WP-18BS2A			Single-phase200						2.7	3.7	6.5	5.9			23	
	WP-18BT2A			Three-phase200						210	310	2.3	3.0				6.5
	WP-20BS1G	50		Single-phase100	400	6200	7020	300	450	7.0	7.2	11	11	49	53	25	
	WP-20BS2G			Single-phase200						3.5	3.6	6.5	5.9			24.6	
	WP-20BT2G			Three-phase200						2.6	2.8	6.5	5.7				
	WP-24BT2G		60	8							750	9420	11160			460	690
	8WP-24BT2G				400	7060	8360	250	330	3.0	3.0	5.8	4.6	45	49.5		
	WP-30BT2G	75	6	Three-phase200	1500	19500	19500	1500	1640	7.7	6.7	33	29	62	64	77.5	
	WP-36BT2G	90				2200	27000	27000	2050	2250	11.0	11.0	38	34	69	73	86
	WP-42BT2G	105					36000	36000	2050	2600	14.0	15.0	42	35	67	71	118
	WP-48B	120	10			3700	42000	42000	3200	3200	20	17	74	63	75	76	153

- The power consumption, air volume and noise figures mentioned above represent the values in the state of operation under free air conditions.
- The air volume has been measured using the JIS C 9603-compliant orifice chamber method, except for models where an impeller diameter ranges from 90cm to 120cm, for which the JIS B 8330-compliant suction pipe method was employed.
- The noise figure represents the average of the values measured at three points that are 1.5 meters distant from one another. The value in actual operation varies depending on the installation method, the duct form, and so on.
- The allowable current figure represents the critical point of operation. Use it for reference at the time of selecting a motor breaker.
- Make sure that the product is used in a place where no corrosive or explosive gas or no steam is generated.
- The fan should be installed in an environment where the temperature ranges from -10 °C to +40 °C, the humidity is 100% or less, and the elevation is 1,000m or less. Observe these conditions when using the product.

Specification table

Airflow direction	Model	Impeller diameter (cm)	Number of poles (P)	Power supply (V)	Nominal output (W)	Air volume (m³/h)		Power consumption (W)		Allowable current (A)		Starting current (A)		Noise (dB(A))		Approx. mass (kg)			
						50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz				
Intake type	WP-10A	25	4	Single-phase100	20	402	498	31	37	0.7	0.7	0.9	0.8	45	49	5.5			
				Single-phase200						0.35	0.35	0.5	0.4						
	WP-12A	30		Single-phase100	50	720	840	66	83	1.2	1.5	2.8	3	51	55	8.5			
				Single-phase200						0.6	0.75	1.4	1.5						
	WP-14AS1D	35		Single-phase100	100	2484	2898	164	186	3.0	3.2	8.3	7.9	54	57	9.4			
	WP-14AS2D			Single-phase200						1.6	1.7	4.3	4.2						
	WP-14AT2D			Three-phase200		2538	2904	120	160	1.15	1.1	4.1	3.9						
	WP-16AS1D	40		Single-phase100	200	3528	4008	210	270	3.15	3.4	8.3	7.9	55	59	10.5			
	WP-16AS2D			Single-phase200				204	260	1.7	1.7	4.3	4.2						
	WP-16AT2D			Three-phase200		3600	4140	184	263	1.14	1.14	4.1	3.9						
	6WP-16AS1D			Single-phase100		2442	2832	90	107	1.5	1.6	2.8	2.6						
	6WP-16AS2D	40		Single-phase200	100			102	120	0.75	0.75	1.6	1.6	45	49	10.5			
	6WP-16AT2D			Three-phase200		2466	3048	114	123	0.86	0.86	2.2	2.1						
	WP-18AS1A			Single-phase100		250	3906	4530	250	370	5.8	6.7	11				11	56	60
	WP-18AS2A	Single-phase200							2.9	3.4	6.5	5.9							
	WP-18AT2A	Three-phase200		3920	4600		230	340	2.3	3.0	6.5	5.7	58	61	24.5				
	WP-20AS1A	50		Single-phase100	400	5280	6120	270	400	6.5	6.8	11				11			
	WP-20AS2A			Single-phase200						3.2	3.4	6.5				5.9			
	WP-20AT2A					5220	6000	250	340	2.7	3.0	6.5	5.7	58	61	24.3			
	WP-24AT2G	60		8	750	6360	7380	490	710	4.1	4.1	12	10				55.5	59	33
	8WP-24AT2G				400	5420	6280	270	360	3.0	2.8	5.8	4.6				48.5	52	
	WP-30AT2G	75		6	Three-phase200		1500	15000	15000	1380	1600	7.4	7.8	33	29	68	69	81	
	WP-30AT2							19500	19500	1580	1400	7.0	6.8	33	29	72	73	73.5	
	WP-36AT2	90		2200			27000	27000	1720	2200	8.6	9.0	31	28	77	80	76		
	WP-42AT2	105					34200	34200	2500	2260	11.4	10.3	42	35	74	76	103		
	WP-48A	120		10			3700	42000	42000	3200	3200	20	17	74	63	75	76	153	

- The power consumption, air volume and noise figures mentioned above represent the values in the state of operation under free air conditions.
- The air volume has been measured using the JIS C 9603-compliant orifice chamber method, except for models where an impeller diameter ranges from 90cm to 120cm, for which the JIS B 8330-compliant suction pipe method was employed.
- The noise figure represents the average of the values measured at three points that are 1.5 meters distant from one another. The value in actual operation varies depending on the installation method, the duct form, and so on.
- The allowable current figure represents the critical point of operation. Use it for reference at the time of selecting a motor breaker.
- Make sure that the product is used in a place where no corrosive or explosive gas or no steam is generated.
- The fan should be installed in an environment where the temperature ranges from -10 °C to +40 °C, the humidity is 100% or less, and the elevation is 1,000m or less. Observe these conditions when using the product.

Special Specifications

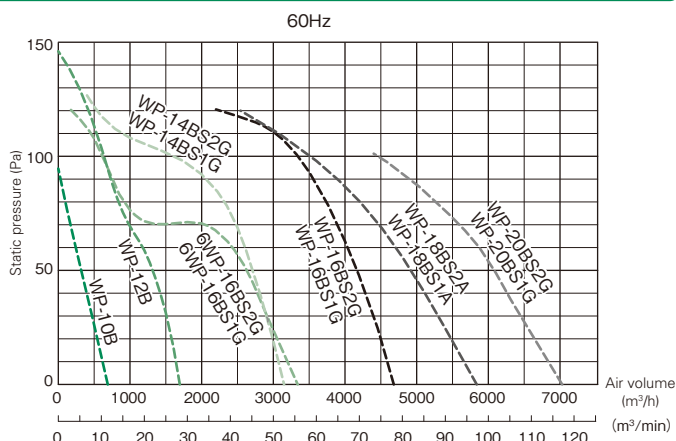
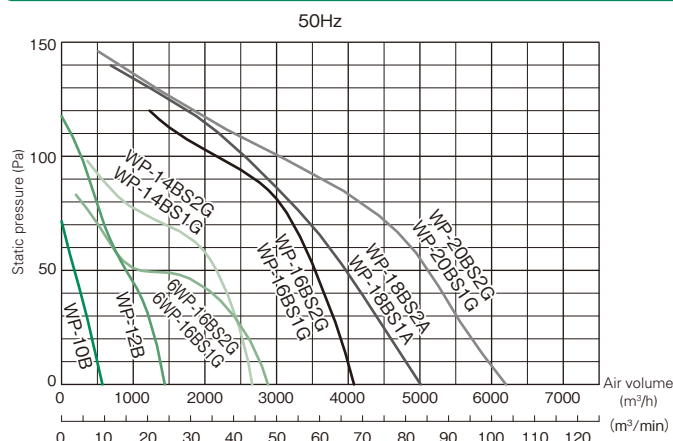
Impeller diameter (cm)	Airflow direction	Special order features						
		Different voltage 210V or 215V	Different voltage 400V	Heat resistance of 60 °C	Heat resistance of 80 °C	Acid-resistant (salt-resistant) coating	Specified color	MFP treatment
25	Exhaust	×	×	×	×	○	○	×
	Intake	×	×	×	×	○	○	×
30	Exhaust	×	×	×	×	○	○	×
	Intake	×	×	×	×	○	○	×
35	Exhaust	×	*1	○	×	○	○	○
	Intake	×	*1	○	×	○	○	○
40	Exhaust	○	*1	○	×	○	○	○
	Intake	○	*1	○	×	○	○	○
45	Exhaust	○	*1	○	×	○	○	○
	Intake	○	*1	○	×	○	○	○
50	Exhaust	○	*1	○	×	○	○	○
	Intake	○	*1	○	×	○	○	○
60	Exhaust	○	○	○	×	○	○	○
	Intake	○	○	○	×	○	○	○
75	Exhaust	○	○	○	×	○	○	○
	Intake	○	○	○	×	○	○	○
90	Exhaust	○	○	○	×	○	○	○
	Intake	○	○	○	×	○	○	○
105	Exhaust	○	○	○	×	○	○	○
	Intake	○	○	○	×	○	○	○
120	Exhaust	○	○	○	×	○	○	○
	Intake	○	○	○	×	○	○	○

*1: 400V class available for three-phase power supply models only

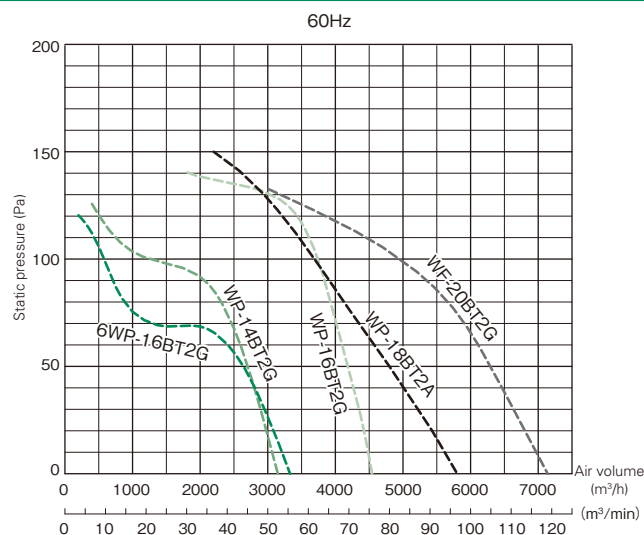
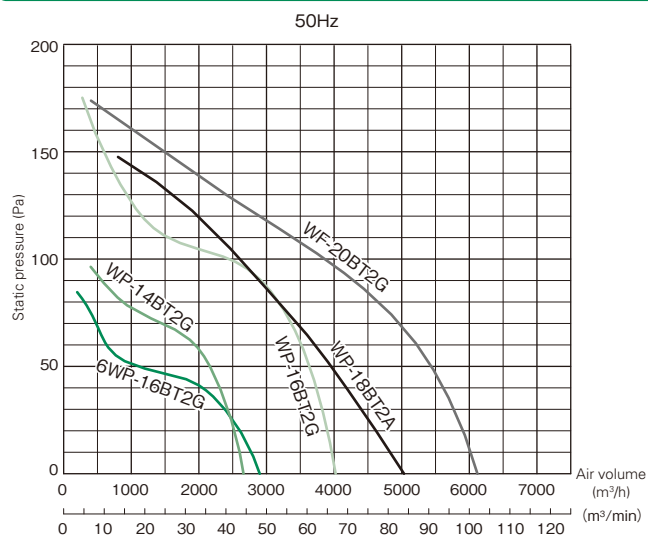
Selection chart

[Exhaust type]

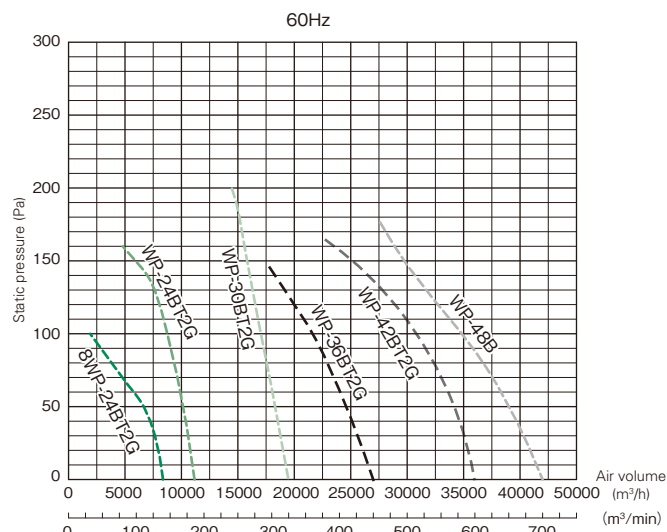
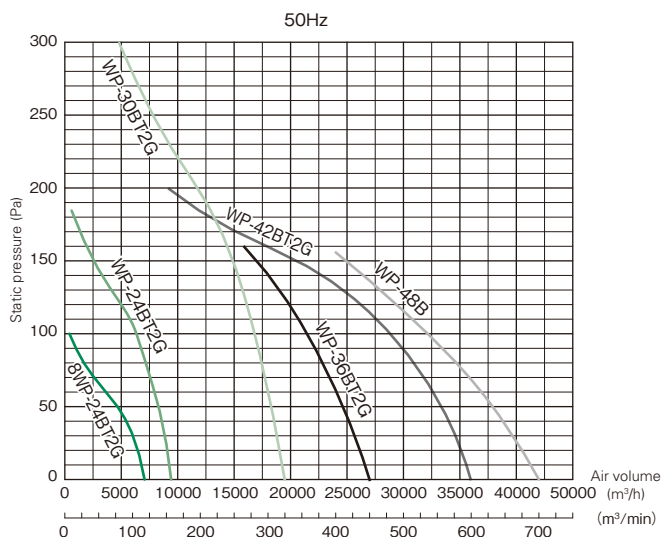
Single-phase, impeller diameter from 25 to 50cm



Three-phase, impeller diameter from 35 to 50cm



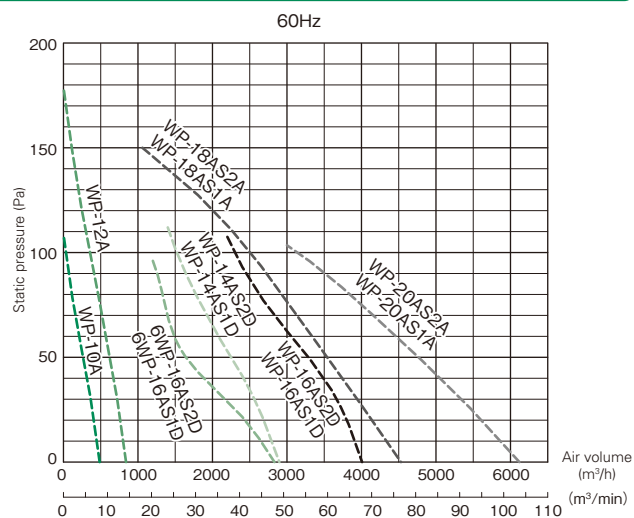
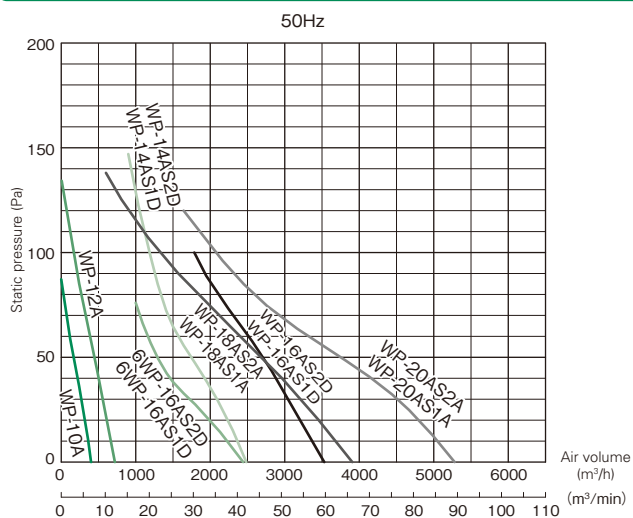
Three-phase, impeller diameter from 60 to 120cm



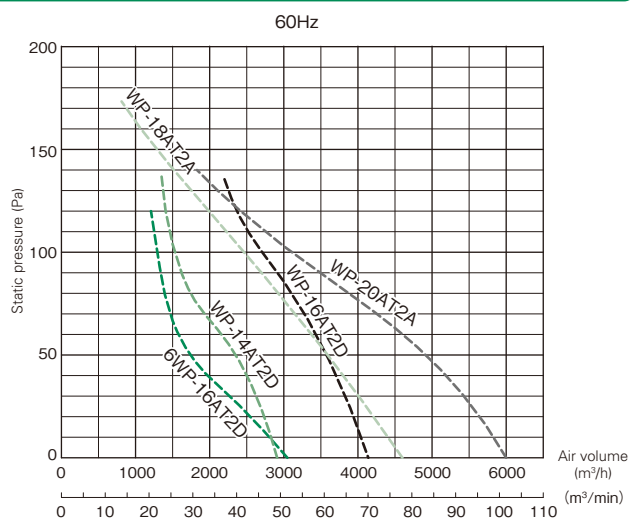
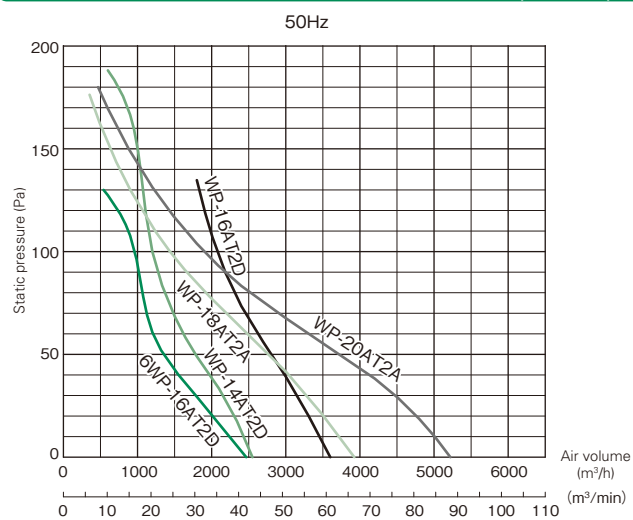
Selection chart

[Intake type]

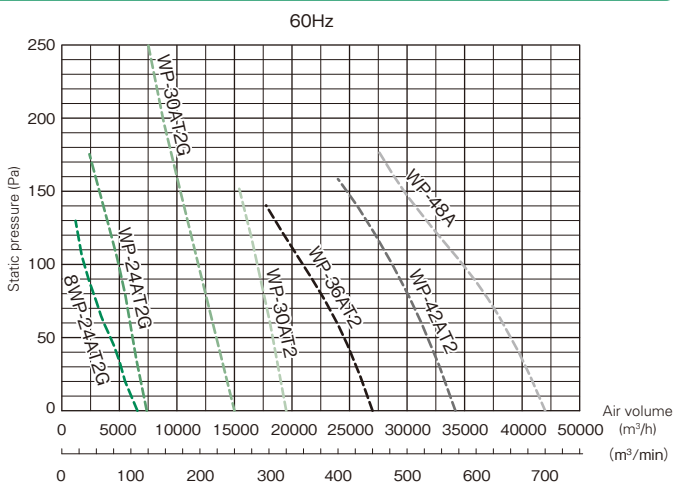
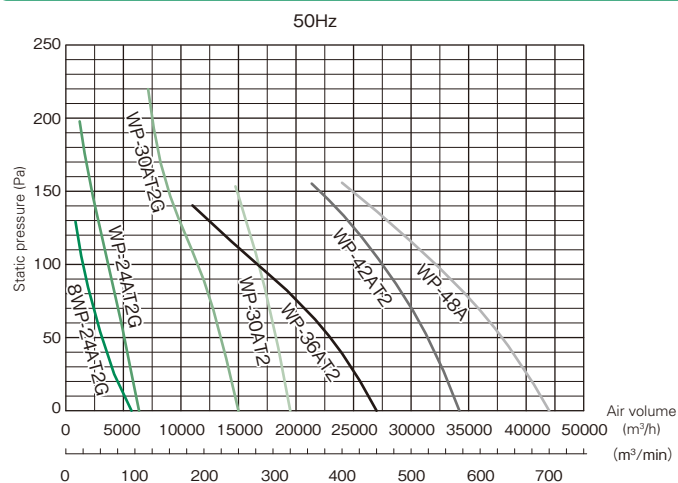
Single-phase, impeller diameter from 25 to 50cm



Three-phase, impeller diameter from 35 to 50cm

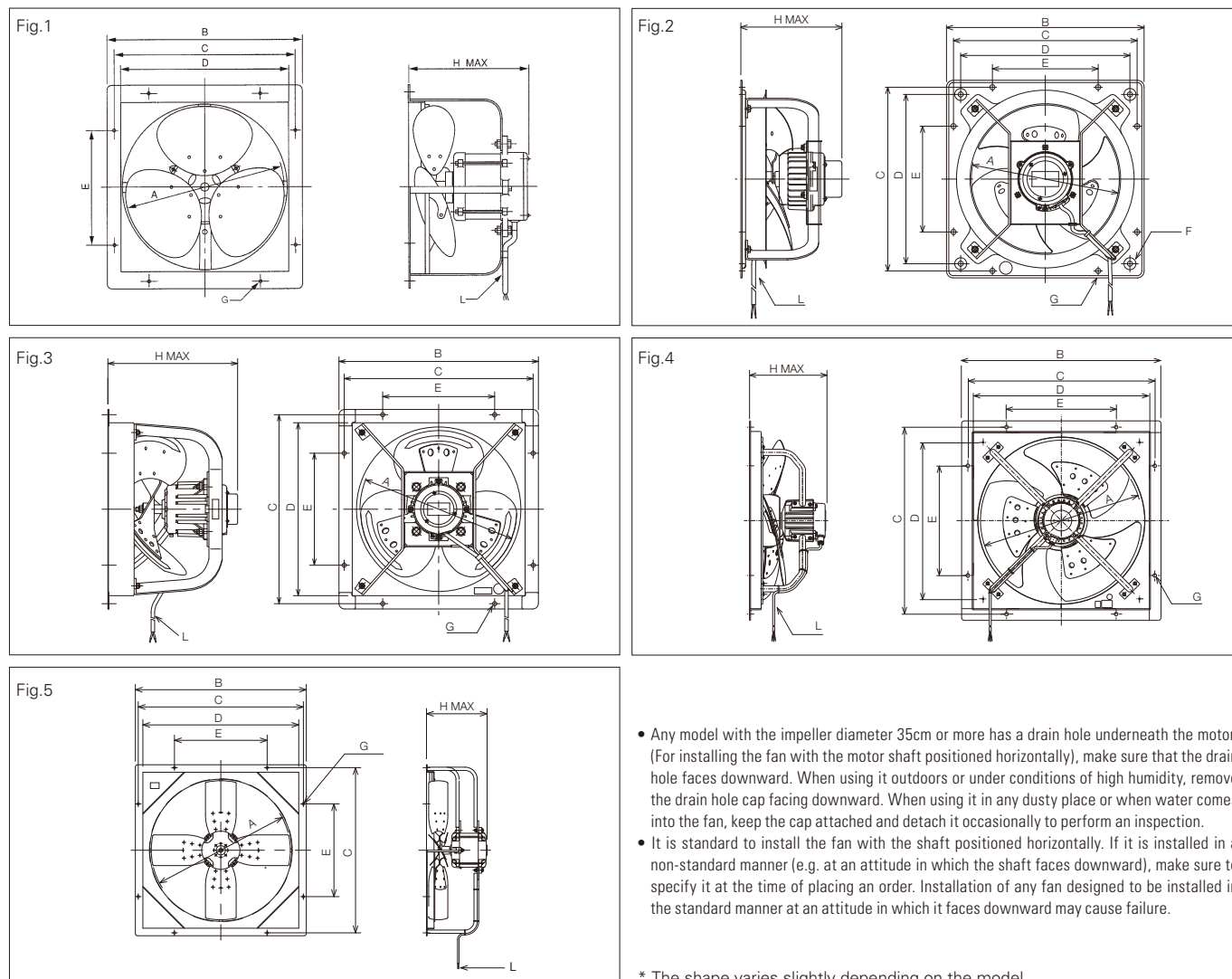


Three-phase, impeller diameter from 60 to 120cm



Assembly drawing [Exhaust Type]

* For intake type, please contact us.



- Any model with the impeller diameter 35cm or more has a drain hole underneath the motor. (For installing the fan with the motor shaft positioned horizontally), make sure that the drain hole faces downward. When using it outdoors or under conditions of high humidity, remove the drain hole cap facing downward. When using it in any dusty place or when water comes into the fan, keep the cap attached and detach it occasionally to perform an inspection.
- It is standard to install the fan with the shaft positioned horizontally. If it is installed in a non-standard manner (e.g. at an attitude in which the shaft faces downward), make sure to specify it at the time of placing an order. Installation of any fan designed to be installed in the standard manner at an attitude in which it faces downward may cause failure.

* The shape varies slightly depending on the model.

Dimensions

(Unit:mm)

Fig.	Model	A	B	C	D	E	F	G	H	L
1	WP-10B	250	327	298	267	165	/	8×φ8.5	215	2PNCT×2 cores×0.75mm ² ×1m
	WP-12B	300	378	349	318	210	/	8×φ8.5	255	2PNCT×2 cores×0.75mm ² ×1m
2	WP-14BS1G	350	467	434	400	250	4×φ12	8×φ12	239	2PNCT×2 cores×0.75mm ² ×1m
	WP-14BS2G	350	467	434	400	250	4×φ12	8×φ12	239	2PNCT×2 cores×0.75mm ² ×1m
	WP-14BT2G	350	467	434	400	250	4×φ12	8×φ12	197	2PNCT×3 cores×0.75mm ² ×1m
	WP-16BS1G	400	518	485	450	280	4×φ12	8×φ12	244	2PNCT×2 cores×0.75mm ² ×1m
	WP-16BS2G	400	518	485	450	280	4×φ12	8×φ12	244	2PNCT×2 cores×0.75mm ² ×1m
	WP-16BT2G	400	518	485	450	280	4×φ12	8×φ12	202	2PNCT×3 cores×0.75mm ² ×1m
	6WP-16BS1G	400	518	485	450	280	4×φ12	8×φ12	244	2PNCT×2 cores×0.75mm ² ×1m
	6WP-16BS2G	400	518	485	450	280	4×φ12	8×φ12	244	2PNCT×2 cores×0.75mm ² ×1m
	6WP-16BT2G	400	518	485	450	280	4×φ12	8×φ12	202	2PNCT×3 cores×0.75mm ² ×1m
3	WP-18BS1A	450	570	540	494	320	/	8×φ12	380	2PNCT×2 cores×1.25mm ² ×1m
	WP-18BS2A	450	570	540	494	320	/	8×φ12	380	2PNCT×2 cores×1.25mm ² ×1m
	WP-18BT2A	450	570	540	494	320	/	8×φ12	350	2PNCT×3 cores×1.25mm ² ×1m
	WP-20BS1G	500	659	620	563	355	/	8×φ15	395	2PNCT×2 cores×1.25mm ² ×1m
	WP-20BS2G	500	659	620	563	355	/	8×φ15	395	2PNCT×2 cores×1.25mm ² ×1m
	WP-20BT2G	500	659	620	563	355	/	8×φ15	365	2PNCT×3 cores×1.25mm ² ×1m
	WP-24BT2G	600	760	720	664	400	/	8×φ15	380	2PNCT×3 cores×1.25mm ² ×1m
4	8WP-24BT2G	600	760	720	664	400	/	8×φ15	380	2PNCT×3 cores×1.25mm ² ×1m
	WP-30BT2G	750	955	900	825	508	/	8×φ20	450	2PNCT×3 cores×2mm ² ×1m
	WP-36BT2G	900	1110	1040	980	610	/	8×φ20	440	2PNCT×3 cores×2mm ² ×1m
5	WP-42BT2G	1050	1262	1207	1132	656	/	8×φ20	560	2PNCT×3 cores×3.5mm ² ×1m
	WP-48B	1200	1475	1425	1345	800	/	8×φ20	540	2PNCT×3 cores×5.5mm ² ×3m