

4 PRODUCT DATA

Model			FP-34BA2/A-K FP-34BA3/A-K FP-34BA4/A-K FP-34BA5/A-K FP-34BB3/A-K	FP-51BA2/A-K FP-51BA3/A-K FP-51BA4/A-K FP-51BA5/A-K FP-51BB3A-K	FP-68BA2/A-K FP-68BA3/A-K FP-68BA4/A-K FP-68BA5/A-K FP-68BB3A-K	FP-85BA2/A-K FP-85BA3/A-K FP-85BA4/A-K FP-85BA5/A-K FP-85BB3/A-K	
Product Code			EM55000200 EM55001130 EM55001140 EM55000260 EM55001180	EM55000210 EM55001210 EM55001220 EM55000270 EM55001260	EM55000220 EM55001290 EM55001300 EM55000280 EM55001340	EM55000230 EM55001360 EM55001370 EM55000290 EM55001410	
Air flow volume		High	m ³ /h	360	550	680	850
			CFM	212	324	400	500
		Medium	m ³ /h	322	413	591	708
			CFM	189	242	347	416
		Low	m ³ /h	282	367	532	616
			CFM	166	215	312	362
Capacity	Cooling	W	2100	2700	3600	4200	
	Heating	W	3150	4050	5400	6300	
Power system	Type	V-Ph-Hz	220-240V~ 50Hz				
	Input	W	50	50	60	60	
Water system	Water flow volume	m ³ /h	0.4	0.45	0.6	0.7	
		GPM	1.76	1.98	2.64	3.08	
	Pressure drop	kPa	13	24	44	45	
		Ft·WG	4.3	7.9	14.5	14.8	
Coil	Type	Aluminum fin-copper tube					
	Operating pressure	MPa	≤1.6MPa	≤1.6MPa	≤1.6MPa	≤1.6MPa	
Motor	Type	FN20J-PG			FN20V-PG		
	Capacitor	uF	1	1	1.5	1.5	
	Power output	W	20				
Sound pressure level		dB(A)	35	40	43	48	
Connection pipe size	Water inlet & outlet	inch	1/2"				
	Condensing water drain	mm	15.6				
Outline dimension (W×D×H)		mm	845×180×275			940×200×298	
Package dimension (W×D×H)		mm	915×255×355			1010×285×380	
Net weight		kg	11			13	
Gross weight		kg	14			17	
Loading quantity		20'GP	365			290	
		40'GP	765			595	
		40'HQ	850			671	
Standard wireless remote controller			YB1FA				

Model			FP-51BWA2/A-K FP-51BWA3/A-K FP-51BWA5/A-K	FP-85BWA2/A-K FP-85BWA3/A-K FP-85BWA5/A-K	
Product Code			EM55000240 EM55001430 EM55000300	EM55000250 EM55001510 EM55000310	
Air flow volume		High	m ³ /h	450	650
			CFM	265	382
		Medium	m ³ /h	383	560
			CFM	225	329
		Low	m ³ /h	323	490
			CFM	190	288
Capacity	Cooling	W	1500	2400	
	Heating	W	2250	3600	
Power system	Type	V-Ph-Hz	220-240V~ 50Hz		
	Input	W	50	60	
Water system	Water flow volume	m ³ /h	0.28	0.38	
		GPM	1.23	1.67	
	Pressure drop	kPa	37	60	
		Ft·WG	12.2	19.7	
Coil	Type		Aluminum fin-copper tube		
	Operating pressure	MPa	≤1.6MPa	≤1.6MPa	
Motor	Type		FN20J-PG	FN20V-PG	
	Capacitor	uF	1	1.5	
	Power output	W	20	20	
Sound pressure level		dB(A)	42	50	
Connection pipe size	Water inlet & outlet	inch	1/2"		
	Condensing water drain	mm	15.6		
Outline dimension (W×D×H)		mm	845×180×275	940×200×298	
Package dimension (W×D×H)		mm	915×255×355	1010×285×380	
Net weight		kg	11	13	
Gross weight		kg	14	17	
Loading quantity		20'GP	365	290	
		40'GP	765	595	
		40'HQ	850	671	
Standard wireless remote controller			YB1FA		

Model			FP-85BA2/A-D
Product Code			EM55001590
Air flow volume	High	m ³ /h	1000
		CFM	588
	Medium	m ³ /h	840
		CFM	493
	Low	m ³ /h	720
		CFM	423
Capacity	Cooling	W	5400
	Heating	W	8500
Power system	Type	V-Ph-Hz	208-230V~ 60Hz
	Input	W	70
Water system	Water flow volume	m ³ /h	0.88
		GPM	3.87
	Pressure drop	kPa	63
		Ft·WG	20.7
Coil	Type	Aluminum fin-copper tube	
	Operating pressure	MPa	≤1.6MPa
Motor	Type	FN20W-PG	
	Capacitor	uF	1.5
	Power output	W	20
Sound pressure level		dB(A)	49
Connection pipe size	Water inlet & outlet	inch	1/2"
	Condensing water drain	mm	15.6
Outline dimension (W×D×H)		mm	940×200×298
Package dimension (W×D×H)		mm	1010×285×380
Net weight		kg	13
Gross weight		kg	17
Loading quantity	20'GP		290
	40'GP		595
	40'HQ		671
Standard wireless remote controller			YB1FA

Model		FP-34BA2/B-D FP-34BA3/B-D FP-34BA5/B-D	FP-51BA2/B-D FP-51BA3/B-D FP-51BA5/B-D	FP-68BA2/B-D FP-68BA3/B-D FP-68BA5/B-D	FP-85BA2/B-D FP-85BA3/B-D FP-85BA5/B-D	FP-102BA2/B-D FP-102BA3/B-D FP-102BA5/B-D	
Code		EM55000320 EM55001760 EM55001890	EM55000330 EM55001800 EM55001900	EM55000340 EM55001770 EM55001910	EM55000350 EM55001780 EM55001920	EM55000360 EM55001790 EM55001930	
Air flow volume	High	m ³ /h	360	550	680	850	1000
		CFM	212	324	400	500	588
	Medium	m ³ /h	322	413	591	708	840
		CFM	189	242	347	416	493
	Low	m ³ /h	282	367	532	616	720
		CFM	166	215	312	362	423
Capacity	Cooling	W	2100	2700	3600	4200	5400
	Heating	W	3150	4050	5400	6300	8500
Power system	Type	V-Ph-Hz	208-230V~ 60Hz				
	Input	W	50		60	70	
Water system	Water flow volume	m ³ /h	0.4	0.45	0.64	0.78	0.88
		GPM	1.76	1.98	2.82	3.43	3.87
	Pressure drop	kPa	13	24	44	45	63
		Ft-WG	4.3	7.9	14.5	14.8	20.7
Coil	Type	Aluminum fin-copper tube					
	Operating pressure	MPa	≤1.6MPa				
Motor	Type	FN20X-PG		FN20W-PG			
	Capacitor	uF	1		1.5		
	Power output	W	20				
Sound pressure level	dB(A)	35	40	43	48	49	
Connection pipe size	Water inlet & outlet	inch	1/2"				
	Condensing water drain	mm	15.6				
Outline dimension (W×D×H)	mm	845×180×275		940×200×298			
Package dimension (W×D×H)	mm	915×255×355		1010×285×380			
Net weight	kg	11		13			
Gross weight	kg	14		17			
Loading quantity	20'GP	365		290			
	40'GP	765		595			
	40'HQ	850		671			
Standard wireless remote controller		YB1FA(X-FAN)					

Model		FP-34BA2/B-K FP-34BA3/B-K FP-34BA5/B-K	FP-51BA2/B-K FP-51BA3/B-K FP-51BA5/B-K	FP-68BA2/B-K FP-68BA3/B-K FP-68BA5/B-K	FP-85BA2/B-K FP-85BA3/B-K FP-85BA5/B-K	FP-51BWA3/ A-K	FP-85BWA3/ A-K		
Code		EM55001710 EM55001720 EM55001670	EM55001700 EM55001730 EM55001660	EM55001690 EM55001750 EM55001650	EM55001680 EM55001740 EM55001640	EM55001430	EM55001510		
Air flow volume		High	m ³ /h	360	550	680	850	450	650
			CFM	212	324	400	500	265	383
		Medium	m ³ /h	322	413	591	708	383	560
			CFM	189	243	348	417	225	330
		Low	m ³ /h	282	367	532	616	328	490
			CFM	166	216	313	363	193	288
Capacity	Cooling	W	2300	2900	3800	4800	1500	2400	
	Heating	W	4050	4850	6000	6900	2250	3600	
Power system	Type	V-Ph-Hz	220-240V~ 50Hz						
	Input	W	30	30	40	60	50	60	
Water system	Water flow volume	m ³ /h	0.43	0.49	0.78	0.9	0.28	0.38	
		GPM	1.89	2.16	3.43	3.96	1.23	1.67	
	Pressure drop	kPa	19	23	49	55	37	60	
		Ft-WG	6.4	7.7	16.4	18.4	12.2	19.7	
Coil	Type	Aluminum fin-copper tube							
	Operating pressure	MPa	≤1.6MPa						
Motor	Type	FN6B	FN9A	FN13G	FN23A	FN20J-PG	FN20V-PG		
	Capacitor	uF	1		1.5		1	1.5	
	Power output	W	6	9	13	22	20	20	
Sound pressure level		dB(A)	35	40	43	48	42	50	
Connection pipe size	Water inlet & outlet	inch	1/2"						
	Condensing water drain	mm	15.6						
Outline dimension (W×D×H)		mm	845×180×275		940×200×298		845×180×275	940×200×298	
Package dimension (W×D×H)		mm	915×255×355		1010×285×380		915×255×355	1010×285×380	
Net weight		kg	8.8		10.8		11	13	
Gross weight		kg	11.8		14.8		14	17	
Loading quantity	20'GP		365		290		365	290	
	40'GP		765		595		765	595	
	40'HQ		850		671		850	671	
Standard wireless remote controller		YB1FA(X-FAN)							

Note:

- (1) The water working temperature is from 7°C(44.6°F) to 60°C(140°F).
- (2) The temperature exchange efficiency and enthalpy exchange efficiency are tested under these testing conditions as below:
 - 1) Cooling efficiency: air 27°C (80.6°F) DB, 19.5°C (67.1°F) WB, water temperature in 7°C (44.6°F) water out 12°C(53.6°F).
 - 2) Heating efficiency: air 21°C (69.8°F) DB, Water temperature: 60°C140 (°F).
- (3) The operating water pressure of the models above is no more than 1.5MPa.