

SAMSUNG

ROOM AIR CONDITIONER

INDOOR UNIT

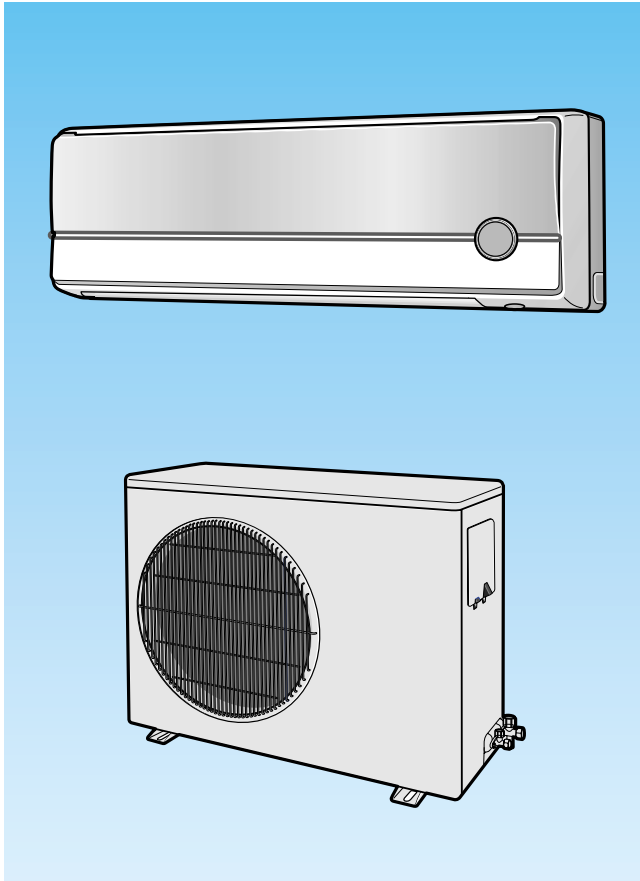
SH24TP6(A)
AQT24P6GB
AQT24P6GE
AQ24P6GB
SH18ZP0(A)
AQT18P0GB
AQT18P0GE
AQ18P0GB
AQ18P0GE

OUTDOOR UNIT

SH24TP6(A)X
UQT24P6GB
UQT24P6GE
UQ24P6GB
SH18ZP0(A)X
UQT18P0GB
UQT18P0GE
UQ18P0GB
UQ18P0GE

SERVICE Manual

AIR CONDITIONER



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1. Product Specifications

1-1 Table

Item		Model	SH24TP6(A) / AQT24P6GE				AQT24P6GB				
			Cool		Heat		Cool		Heat		
Power Source			220-240V~.50Hz				220V~.60Hz				
Performance	Capacity (ISO/SASO)		6.8 kW	-	6.9 kW	-	24,000 BTU/h	5,040 kcal/h	24,000 BTU/h	6,048 kcal/h	
	Air circulation (High)	m ² /min	14.0		14.5		14.0		14.5		
	Moisture removal (High)	Liters/h	3.0				3.0				
Electrical Rating	Available voltage range	V	198-264				187-253				
	Running amperes	A	11.5		11.5		13		13.5		
	Power input	kw	2.78		2.82		2.6		2.8		
	Power factor	%	92.6		92.6		90.9		94.3		
	Energy efficiency ratio	BTU/wh	9.4		9.6		9.2		8.6		
	Compressor locked rotor amperes	A	82				73				
Features	Controls/Temperature control		Microprocessor / Thermistor				Microprocessor / Thermistor				
	Control unit		Wireless remote control				Wireless remote control				
	Timer		24-Hour ON or OFF				24-Hour ON or OFF				
	Fan speed		3 Steps and Turbo / 2 Step				3 Steps and Turbo / 2 Step				
	Airflow direction (indoor)	Horizontal	Manual				Manual				
		Vertical	Auto				Auto				
	Compressor		Reciprocation(Bristol)				Reciprocation(Tecumseh)				
	Refrigerant/Amount charged at rating	g	R22 / 1,300g				R22 / 1,600g				
	Refrigerant control		Capillary tube				Capillary tube				
	Operation sound	Indoor Hi/Mi/Low	dB-A	48 / 46 / 44		48 / 46 / 44		48 / 46 / 44		48 / 46 / 44	
		Outdoor-Hi	dB-A	61				61			
	Refrigerant tubing connections		Flare type				Flare type				
	Max. allowable tubing length at shippint	m	15				15				
	Refrigerant tube diameter	Narrow tube	(in.)	6.35(1/4")				6.35(1/5")			
		Wide tube	(in.)	15.88(5/8")				15.88(5/9")			
	Refrigerant tube kit/Accessories		Optional / Hanger-plate				Optional / Hanger-plate				
Indoor unit			Outdoor unit		Indoor unit	Outdoor unit					
Dimensions & Weight	Unit dimensions	Height	mm	215	638	215	638				
		Width	mm	1080	880	1080	880				
		Depth	mm	205	310	205	310				
	Package dimensions	Height	mm	286	704	286	704				
		Width	mm	1151	1023	1151	1023				
		Depth	mm	397	413	397	413				
	Weight	Net	kg	13	64.5	13	64.5				
		Shipping	kg	16	68.5	16	68.5				

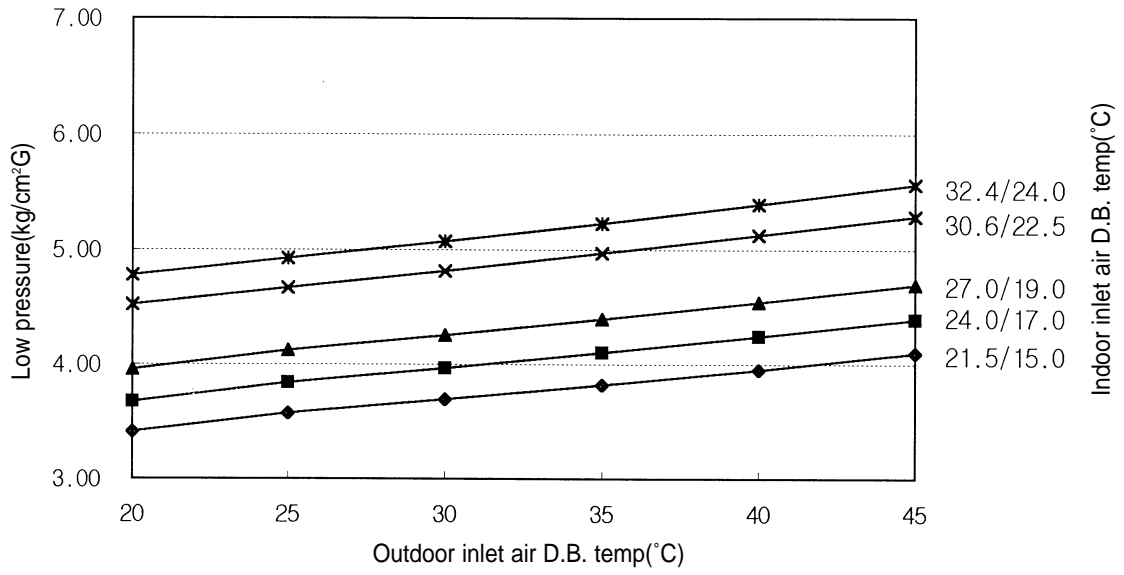
Table(Cont.)

Item		Model	AQ24P6GB				SH18ZP0(A) / AQ18P0GE			
			Cool		Heat		Cool		Heat	
Power Source			220V~,60Hz				220-240V~,50Hz			
Performance	Capacity (ISO/SASO)		24,000 BTU/h	-	25,000 BTU/h	-	18,000 BTU/h	-	20,000 BTU/h	-
	Air circulation (High) m ³ /min		14.0		14.5		13.5		14.0	
	Moisture removal (High) Liters/h		3.0				2.5			
Electrical Rating	Available voltage range V		187-253				198-264			
	Running amperes A		10.5		11.5		7.8		7.8	
	Power input kw		2.30		2.55		1.75		1.74	
	Power factor %		99.6		96.6		98.1		97.0	
	Energy efficiency ratio BTU/wh		10.4		9.4		10.23		11.49	
	Compressor locked rotor amperes A		51				35			
Features	Controls/Temperature control		Microprocessor / Thermistor				Microprocessor / Thermistor			
	Control unit		Wireless remote control				Wireless remote control			
	Timer		24-Hour ON or OFF				24-Hour ON or OFF			
	Fan speed		3 Steps and Turbo / 2 Step				3 Steps and Turbo / 2 Step			
	Airflow direction (indoor)	Horizontal	Manual				Manual			
		Vertical	Auto				Auto			
	Compressor		Rotary(Samsung)				Rotary(Samsung)			
	Refrigerant/Amount charged at rating g		R22 / 1,350g				R22 / 1,150g			
	Refrigerant control		Capillary tube				Capillary tube			
	Operation sound	Indoor Hi/Mi/Low dB-A	50 / 48 / 46				46 / 44 / 42			
		Outdoor-Hi dB-A	62				57			
	Refrigerant tubing connections		Flare type				Flare type			
	Max. allowable tubing length at shippint m		15				15			
	Refrigerant tube diameter	Narrow tube (in.)	6.35(1/6")				6.35(1/4")			
		Wide tube (in.)	15.88(5/10")				12.70(1/2")			
	Refrigerant tube kit/Accessories		Optional / Hanger-plate				Optional / Hanger-plate			
Indoor unit			Outdoor unit		Indoor unit		Outdoor unit			
Dimensions & Weight	Unit dimensions	Height mm	216		638		215		620	
		Width mm	680		480		1080		787	
		Depth mm	415		520		205		320	
	Package dimensions	Height mm	1122		1540		286		692	
		Width mm	895		767		1151		909	
		Depth mm	429		445		397		444	
	Weight	Net kg	13		64		13		45	
		Shipping kg	16		68		16		49	

AQT18P0GB				AQT18P0GE				AQ18P0GB			
Cool		Heat		Cool		Heat		Cool		Heat	
220V~,60Hz				220-240V~,50Hz				220V~,60Hz			
18,000 BTU/h	4,000 kcal/h	20,000 BTU/h	5,040 kcal/h	18,000 BTU/h	4,000 kcal/h	20,000 BTU/h	5,040 kcal/h	18,000 BTU/h	-	19,000 BTU/h	-
13.5		14.0		13.5		14.0		13.5		14.0	
2.5				2.5				2.5			
187-253				198-264				187-253			
8.5		9.5		8.0		8.8		8.3		9.0	
1.87		2.10		1.85		2.00		1.77		2.00	
99.0		99.0		97.9		98.8		96.9		98.6	
9.63		9.52		9.73		10.00		10.16		9.5	
35				35				35			
Microprocessor / Thermistor				Microprocessor / Thermistor				Microprocessor / Thermistor			
Wireless remote control				Wireless remote control				Wireless remote control			
24-Hour ON or OFF				24-Hour ON or OFF				24-Hour ON or OFF			
3 Steps and Turbo / 2 Step				3 Steps and Turbo / 2 Step				3 Steps and Turbo / 2 Step			
Manual				Manual				Manual			
Auto				Auto				Auto			
Rotary(Samsung)				Rotary(Samsung)				Rotary(Samsung)			
R22 / 1,570g				R22 / 1,650g				R22 / 1,210g			
Capillary tube				Capillary tube				Capillary tube			
48 / 46 / 44				48 / 46 / 44				46 / 44 / 42			
58				58				58			
Flare type				Flare type				Flare type			
15				15				15			
6.35(1/4")				6.35(1/4")				6.35(1/4")			
12.70(1/2")				12.70(1/2")				12.70(1/2")			
Optional / Hanger-plate				Optional / Hanger-plate				Optional / Hanger-plate			
Indoor unit		Outdoor unit		Indoor unit		Outdoor unit		Indoor unit		Outdoor unit	
215		620		215		620		215		620	
1080		787		1080		787		1080		787	
205		320		205		320		205		320	
286		692		286		692		286		692	
1151		909		1151		909		1151		909	
397		444		397		444		397		444	
13		54		13		54		13		45	
16		58		16		58		16		49	

1-2 Pressure Graph

■ 24K BTU



■ 18K BTU

