

1. Product Specifications

1-1 Table

Item				Model		SH07ZP2		SH09ZP2		SH12ZP4	
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit		
Type				Wall-mounted		Wall-mounted		Wall-mounted			
Performance	Capacity () : RUSSIA, CIS	Cooling	-	2.20kW		2.60kW		3.50kW			
				(7,500 BTU/h)		(8,990 BTU/h)		(11,990 BTU/h)			
		Heating		2.30kW		2.90kW		3.80kW			
				(7,800 BTU/h)		(8,990 BTU/h)		(11,990 BTU/h)			
	Dehumidifying		ℓ/h	0.9		1.4		1.9			
	Air Volume		m ³ /min	6.5	24	7.0	24	8.2	24		
	Noise		dB	36	50	40	51	43	53		
	Energy Efficiency Ratio	Cooling	W/W	3.24		2.89		3.04			
Heating		3.65		3.41		3.45					
Power		V-Hz	1-220 / 240-50		1-220 / 240-50		1-220 / 240-50				
Power	Power Consumption	Cooling	W	680		900		1,150			
		Heating		630		850		1,100			
	Operating Current	Cooling	A	3.0		4.0		5.1			
		Heating		2.8		3.8		5.0			
	Power Factor	Cooling	%	98.6		97.8		98.0			
		Heating		97.8		97.3		96.5			
	Starting Current		A	21.0		21.0		32.0			
	Power Cord	Length		m	-		-		-		
Number of Core Wire			-		-		-				
Capacity		A	250V-10 / 16A		250V-10 / 16A		250V-10 / 16A				
Size	Outer Dimension	W x H x D	mm	795x258x179	660x495x235	795x258x179	660x495x235	890x285x179	720x530x260		
			inch	31.3x10.2x7.0	26.0x19.5x9.3	31.3x10.2x7.0	26.0x19.5x9.3	35.0x11.2x7.0	28.3x20.9x10.2		
	Weight		kg	7.5	22.5	7.5	26.5	8.5	33.0		
	Refrigerant Pipe	Liquid	mm x L(m)	ø6.35 x 5		ø6.35 x 5		ø6.35 x 5			
		GAS	mm x L(m)	ø9.52 x 5		ø9.52 x 5		ø12.7 x 5			
	Drain Hose		D x L(mm)	ø18 x 2,000		ø18 x 2,000		ø18 x 2,000			
	Compressor	Type		Rotary		Rotary		Rotary			
		Motor	Type	-	-	-	-	-	-		
			Rated Output	-	-	-	-	-	-		
	Blower	Type		Cross-flow	Propeller	Cross-flow	Propeller	Cross-flow	Propeller		
Motor		Type	steel	steel	steel	steel	steel	steel			
		Rated Output	W	11	25	11	25	15	25		
Heat Exchanger				2ROW 10STEP	1ROW 18STEP	2ROW 10STEP	1ROW 18STEP	2ROW 12STEP	1ROW 20STEP		
Refrigerant Control Unit				CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE			
Freezer Oil Capacity		cc	290		350		410				
Refrigerant to Change(R22)		g	680		680		800				
Protection Device(OLP)				MRA99137-9201		MRA98776		Internal			
Cooling Test Condition				INDOOR UNIT : DB27°C WB19°C		OUTDOOR UNIT : DB35°C WB24°C					
Maximum Operation Condition				INDOOR UNIT : DB32°C WB23°C		OUTDOOR UNIT : DB43°C WB26°C					

Table(cont.)

Item				Model		SH07ZP2A		SH09ZP2A		SH12ZP4A	
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit		
Type				Wall-mounted		Wall-mounted		Wall-mounted			
Performance	Capacity () : RUSSIA, CIS	Cooling	-	2.30kW (7,500BTU/h)		2.65kW (8,990BTU/h)		3.50kW (11,990BTU/h)			
		Heating		2.40kW (7,800BTU/h)		2.90kW (8,990BTU/h)		3.80kW (11,990BTU/h)			
	Dehumidifying		ø/h	0.9		1.4		1.9			
	Air Volume		m³/min	6.5	24	7.0	24	8.2	24		
	Noise		dB	36	50	39	51	43	53		
	Energy Efficiency Ratio	Cooling	W/W	3.15		2.82		3.04			
		Heating		3.53		3.30		3.45			
Power		V-Hz	1-220/240-50		1-220/240-50		1-220/240-50				
Power	Power Consumption	Cooling	W	730		940		1,150			
		Heating		680		880		1,100			
	Operating Current	Cooling	A	3.3		4.3		5.1			
		Heating		3.1		4.0		5.0			
	Power Factor	Cooling	%	96.2		95.0		98.0			
		Heating		95.4		95.7		95.7			
	Starting Current		A	21.0		21.0		32.0			
Power Cord	Length		m	-		-		-			
	Number of Core Wire			-		-		-			
	Capacity		A	250V-10/16A		250V-10/16A		250V-10/16A			
Size	Outer Dimension		W x H x D	mm	795x258x179	660x495x235	795x258x179	660x495x235	890x285x179	720x530x260	
				inch	31.3x10.2x7.0	26.0x19.5x9.3	31.3x10.2x7.0	26.0x19.5x9.3	35.0x11.2x7.0	28.3x20.9x10.2	
	Weight		kg	7.5	26.0	7.5	26.5	8.5	33.0		
	Refrigerant Pipe	Liquid	mm x L(m)	ø6.35 x 5		ø6.35 x 5		ø6.35 x 5			
		GAS	mm x L(m)	ø9.52 x 5		ø9.52 x 5		ø12.7 x 5			
	Drain Hose		D x L(mm)	ø18 x 2,000		ø18 x 2,000		ø18 x 2,000			
	Compressor	Type		Rotary		Rotary		Rotary			
		Motor	Type	-	-	-	-	-	-		
			Rated Output	-	-	-	-	-	-		
	Blower	Type		Cross-Flow	Propeller	Cross-Flow	Propeller	Cross-Flow	Propeller		
Motor		Type	steel	steel	steel	steel	steel	steel			
		Rated Output	W	15	25	15	25	15	25		
Heat Exchanger				2ROW 10STEP	1ROW 18STEP	2ROW 10STEP	1ROW 18STEP	2ROW 12STEP	1ROW 20STEP		
Refrigerant Control Unit				CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE			
Freezer Oil Capacity			cc	360		360		600			
Refrigerant to Change(R22)			g	630		600		800			
Protection Device(OLP)				RAC12144-9622		RAC12110-9622		RAC12074-9622			
Cooling Test Condition				INDOOR UNIT : DB27°C WB19°C		OUTDOOR UNIT : DB35°C WB24°C					
Maximum Operation Condition				INDOOR UNIT : DB32°C WB23°C		OUTDOOR UNIT : DB43°C WB26°C					

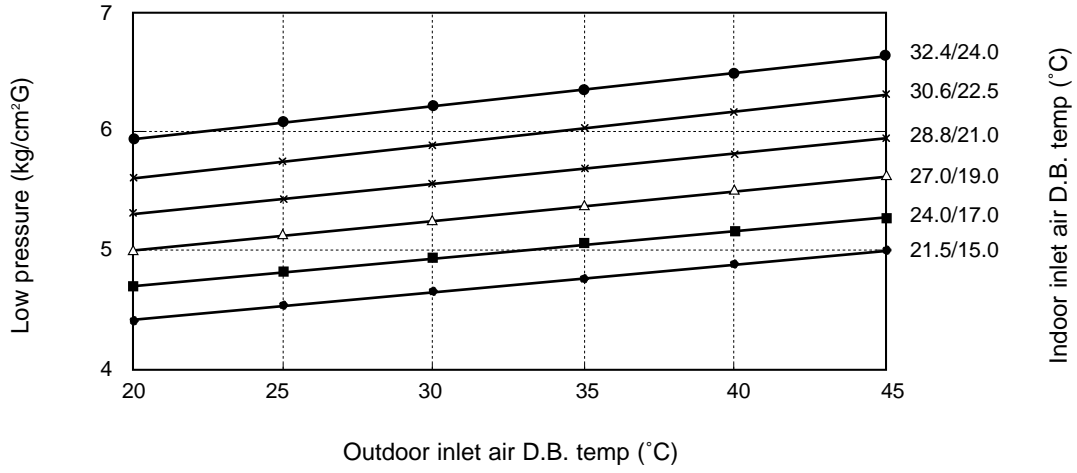
Item				Model		AQ07P2GE		AQ09P2GE		AQ12P4GE		
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit			
Type				Wall-mounted		Wall-mounted		Wall-mounted				
Performance	Capacity	Cooling	BTU/h	7,500		9,000		12,000				
		Heating		7,800		10,000		13,000				
	Dehumidifying		ℓ/h	0.9		1.4		1.9				
	Air Volume		m³/min	6.5	24	7.0	24	8.2	24			
	Noise		dB	36	50	39	51	43	53			
	Energy Efficiency Ratio	Cooling	BTU/W-h	10.3		9.57		10.4				
		Heating		11.5		11.4		11.8				
	Power		V-Hz	1-220/240-50		1-220/240-50		1-220/240-50				
	Power Consumption	Cooling	W	730		940		1,150				
		Heating		680		880		1,100				
Power	Operating Current	Cooling	A	3.3		4.3		5.1				
		Heating		3.1		4.0		5.0				
	Power Factor	Cooling	%	96.2		95.0		98.0				
		Heating		95.4		95.7		95.7				
	Starting Current		A	21.0		21.0		32.0				
	Power Cord	Length		m	-		-		-			
		Number of Core Wire			-		-		-			
		Capacity		A	250V-10/16A		250V-10/16A		250V-10/16A			
	Outer Dimension	W x H x D		mm	795x258x179	660x495x235	795x258x179	660x495x235	890x285x179	720x530x260		
				inch	31.3x10.2x7.0	26.0x19.5x9.3	31.3x10.2x7.0	26.0x19.5x9.3	35.0x11.2x7.0	28.3x20.9x10.2		
Weight		kg	7.5	26.0	7.5	26.5	8.5	33.0				
Refrigerant Pipe	Liquid	mm x L(m)	ø6.35 x 5		ø6.35 x 5		ø6.35 x 5					
	GAS	mm x L(m)	ø9.52 x 5		ø9.52 x 5		ø12.7 x 5					
Drain Hose		D x L(mm)	ø18 x 2,000		ø18 x 2,000		ø18 x 2,000					
Compressor	Type		Rotary		Rotary		Rotary					
	Motor	Type	-	-	-	-	-	-				
		Rated Output	-	-	-	-	-	-				
Blower	Type		Cross-Flow	Propeller	Cross-Flow	Propeller	Cross-Flow	Propeller				
	Motor	Type	steel	steel	steel	steel	steel	steel				
		Rated Output	W	15	25	15	25	15	25			
Heat Exchanger				2ROW 10STEP	1ROW 18STEP	2ROW 10STEP	1ROW 18STEP	2ROW 12STEP	1ROW 20STEP			
Refrigerant Control Unit				CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE				
Freezer Oil Capacity		cc	360		360		600					
Refrigerant to Change(R22)		g	630		600		800					
Protection Device(OLP)				RAC12144-9622		RAC12110-9622		RAC12074-9622				
Cooling Test Condition				INDOOR UNIT : DB27°C WB19°C		OUTDOOR UNIT : DB35°C WB24°C						
Maximum Operation Condition				INDOOR UNIT : DB32°C WB23°C		OUTDOOR UNIT : DB43°C WB26°C						

Table(cont.)

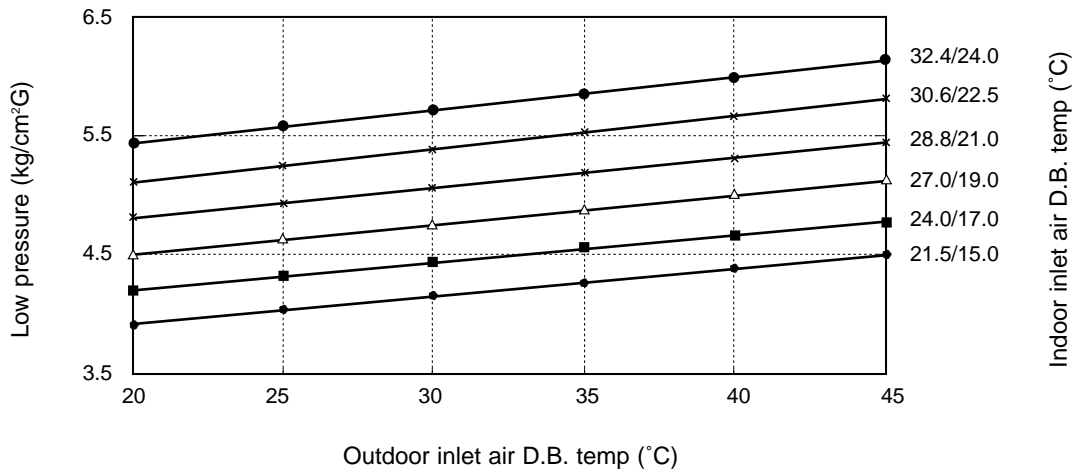
Item			Model	AQT12P4GB		AQT12P4GE	
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type			Wall-mounted		Wall-mounted		
Performance	Capacity	Cooling	BTU/h	12,000		12,000	
		Heating		13,000		13,000	
		SASO		10,500		-	
	Dehumidifying		ℓ/h	1.9		1.9	
	Air Volume		m ³ /min	8.2	2.4	8.2	2.4
	Noise		dB	43	53	43	53
	Energy Efficiency Ratio	Cooling	BTU/W-h	10.0		10.0	
		Heating		10.5		11.0	
SASO		7.44		-			
Power		V-Hz	1-220-60		1-220/240-50		
Power	Power Consumption	Cooling	W	1,200		1,200	
		Heating		1,240		1,180	
		SASO		1,410		-	
	Operating Current	Cooling	A	5.5		5.3	
		Heating		5.7		5.2	
		SASO		6.5		-	
	Power Factor	Cooling	%	99.2		98.4	
		Heating		98.9		98.7	
		SASO		98.6		-	
	Starting Current		A	32.0		32.0	
Power Cord	Length	m	-		-		
	Number of Core Wire		-		-		
	Capacity	A	250V-10/16A		250V-10/16A		
Size	Outer Dimension	W x H x D	mm	890x285x179	720x530x260	890x285x179	720x530x260
			inch	35.0x11.2x7.0	28.3x20.9x10.2	35.0x11.2x7.0	28.3x20.9x10.2
	Weight		kg	8.5	33.0	8.5	33.0
	Refrigerant Pipe	Liquid	mm x L(m)	ø6.35 x 5		ø6.35 x 5	
		GAS	mm x L(m)	ø12.7 x 5		ø12.7 x 5	
	Drain Hose		D x L(mm)	ø18 x 2,000		ø18 x 2,000	
	Compressor	Type		Rotary		Rotary	
		Motor	Type	-	-	-	-
	Rated Output		-		-		
	Blower	Type		Cross-Flow	Propeller	Cross-Flow	Propeller
Motor		Type	steel	steel	steel	steel	
		Rated Output		15	25	15	25
Heat Exchanger			2ROW 12STEP	2ROW 24STEP	2ROW 12STEP	2ROW 24STEP	
Refrigerant Control Unit			CAPILLARY TUBE		CAPILLARY TUBE		
Freezer Oil Capacity		cc	600		410		
Refrigerant to Change(R22)		g	960		940		
Protection Device(OLP)			RBC12107-12500		RBC12050-12500		
Cooling Test Condition			INDOOR UNIT : DB27°C WB19°C		OUTDOOR UNIT : DB35°C WB24°C		
Maximum Operation Condition			INDOOR UNIT : DB32°C WB23°C		OUTDOOR UNIT : DB43°C WB26°C		

1-2 Pressure Graph

7K BTU



9K BTU



12K BTU

