

1. Product Specifications

1-1 Table

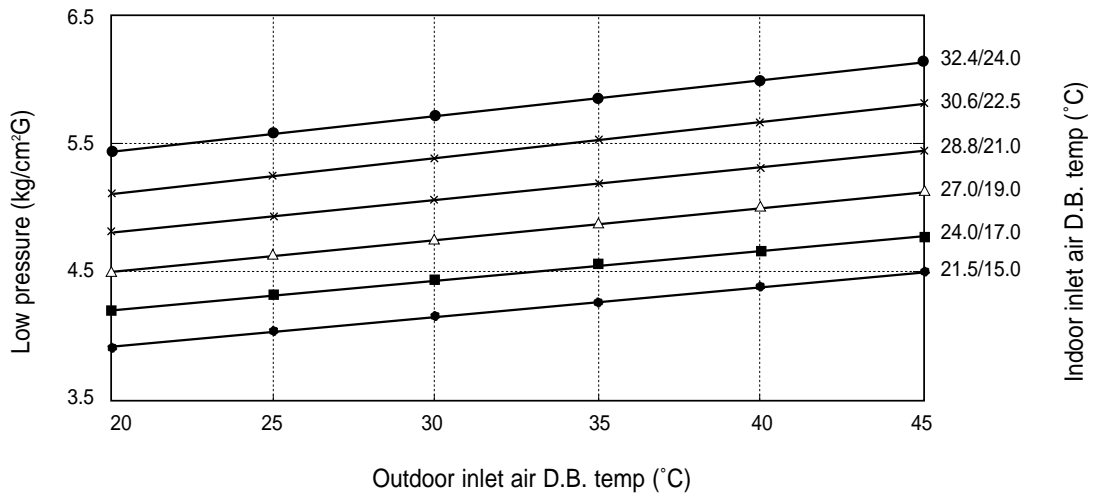
Item			Model	SH12ZSG AQ12SGGE		AQ12SBGE		SH09ZS8 AQ09S8GE	
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit
Type				Wall-mounted		Wall-mounted		Wall-mounted	
Performance	Cooling () : RUSSIA, CIS		-	3.5kW 12,000(11,990)BTU/h		12,000BTU/h		2.7kW 9,200(8,990)BTU/h	
	Heating () : RUSSIA, CIS		-	3.8kW 13,000(11,990)BTU/h		13,000BTU/h		2.9kW 10,000(8,990)BTU/h	
	Dehumidifying		ℓ/h	1.9		1.9		1.4	
	Air volume	Cooling	m ³ /min	8.0	24	8.0	24	6.4	19
		Heating		8.6	24	8.6	24	7.0	19
	Noise () : EUROVENT	Cooling	dB	40(51)	50(62)	40	50	38(48)	48(58)
		Heating		40(51)	50(62)	40	50	38(48)	48(58)
	Energy efficiency ratio	Cooling	W/W	2.97		2.97		2.81	
		Heating		3.25		3.30		3.22	
	Power		V-Hz	1-220 / 240-50		1-220 / 240-50		1-220 / 240-50	
Power	Power Consumption	Cooling	W	1180		1180		960	
		Heating		1170		1150		900	
	Operating Current	Cooling	A	5.3		5.2		4.4	
		Heating		5.1		6.1		4.0	
	Power factor	Cooling	%	96.8		98.7		94.9	
		Heating		99.7		98.0		97.8	
	Starting current		A	32.0		32.0		21.0	
	Power cord	Length		m	-		-		-
Number of core wire			-		-		-		
Capacity		A	250V-10 / 16A		250V-10 / 16A		250V-10 / 16A		
Outer Dimension	Width x Height		mm	890 x 285 x 179	695 x 530 x 280	890 x 285 x 179	740 x 530 x 230	795 x 258 x 179	660 x 475 x 242
	x Depth		inch	35.0 x 11.2 x 7.0	27.4 x 20.9 x 11.0	35.0 x 11.2 x 7.0	29.1 x 20.9 x 9.1	31.3 x 10.2 x 7.0	26.0 x 18.7 x 9.5
Weight			kg	8.5	33.0	8.5	35.0	7.5	26.3
Refrigerant pipe	Liquid		mm x L(MT)	ø6.35 x 5		ø6.35 x 5		ø6.35 x 5	
	GAS		mm x L(MT)	ø12.7 x 5		ø12.7 x 5		ø9.52 x 5	
Drain hose			D x L(mm)	ø18 x 2000		ø18 x 2000		ø18 x 2000	
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	11
Heat exchanger				2ROW 12STEP	1ROW 20STEP	2ROW 12STEP	2ROW 24STEP	2ROW 10STEP	1ROW 18STEP
Refrigerant control unit				CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE	
Freezer oil capacity			cc	600		600		360	
Refrigerant to change(R-22)			g	820		910		660	
Protection device(O LP)				RAC 12074-9622		RAC 12074-9622		RAC 12110-9622	
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.)

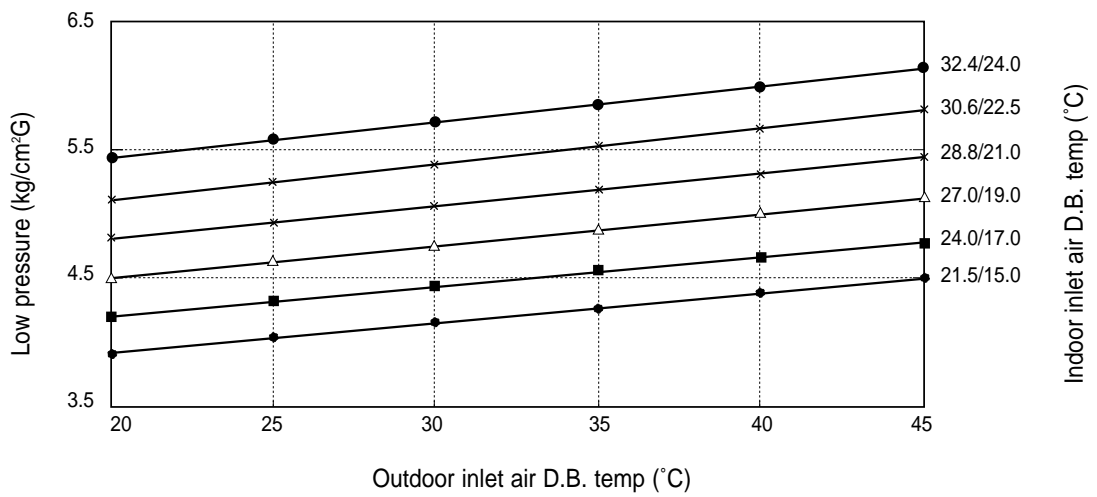
Item		Model		AQ09SBGE		SH07ZS8 AQ07S8GE		AQ07SBGE			
				Indoor unit	Outdoor unit	Indoor unit	Outdoor unit	Indoor unit	Outdoor unit		
Type				Wall-mounted		Wall-mounted		Wall-mounted			
Performance	Cooling () : RUSSIA, CIS		-	9,000BTU/h		2.2kW 7,500(7,500)BTU/h		7,800BTU/h			
	Heating () : RUSSIA, CIS		-	10,000BTU/h		2.3kW 8,000(8,000)BTU/h		8,200BTU/h			
	Dehumidifying		ℓ/h	1.4		0.9		0.9			
	Air volume		Cooling	m ³ /min	6.4	24	6.0	19	6.0	24	
			Heating		7.0	24	6.2	19	6.2	24	
	Noise		Cooling	dB	38	48	35(45)	47(57)	35	47	
			Heating		38	48	35(45)	47(57)	35	47	
	Energy efficiency ratio		Cooling	W/W	2.74		2.86		3.07		
			Heating		3.22		3.29		3.43		
	Power		V-Hz	1-220 / 240-50		1-220 / 240-50		1-220 / 240-50			
Power	Power Consumption		Cooling	W	950		770		750		
			Heating		900		700		700		
	Operating Current		Cooling	A	4.2		3.3		3.3		
			Heating		4.1		3.1		3.1		
	Power factor		Cooling	%	98.3		99.9		98.8		
			Heating		95.4		98.2		98.2		
	Starting current		A	21.0		17.0		17.0			
	Power cord		Length	m	-		-		-		
Number of core wire			-		-		-				
Capacity			A	250V-10 / 16A		250V-10 / 16A		250V-10 / 16A			
Size	Outer Dimension		Width x Height	mm	795 x 258 x 179	740 x 530 x 230	795 x 258 x 179	660 x 475 x 242	795 x 258 x 179	740 x 530 x 230	
			x Depth	inch	31.3 x 10.2 x 7.0	29.1 x 20.9 x 9.1	31.3 x 10.2 x 7.0	26.0 x 18.7 x 9.5	31.3 x 10.2 x 7.0	29.1 x 20.9 x 9.1	
	Weight		kg	7.5	26.5	7.5	25.6	7.5	26.1		
	Refrigerant pipe		Liquid	mm x L(MT)	ø6.35 x 5		ø6.35 x 5		ø6.35 x 5		
			GAS	mm x L(MT)	ø9.52 x 5		ø9.52 x 5		ø9.52 x 5		
	Drain hose		D x L(mm)	ø18 x 2000		ø18 x 2000		ø18 x 2000			
	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	20	11	25	
Heat exchanger				2ROW 10STEP	1ROW 24STEP	2ROW 10STEP	1ROW 18STEP	2ROW 10STEP	1ROW 24STEP		
Refrigerant control unit				CAPILLARY TUBE		CAPILLARY TUBE		CAPILLARY TUBE			
Freezer oil capacity		cc	360		360		360				
Refrigerant to change(R-22)		g	580		620		640				
Protection device(OLP)				RAC 12110-9622		RAC 12144-9622		RAC 12144-9622			
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					

1-2 Pressure Graph

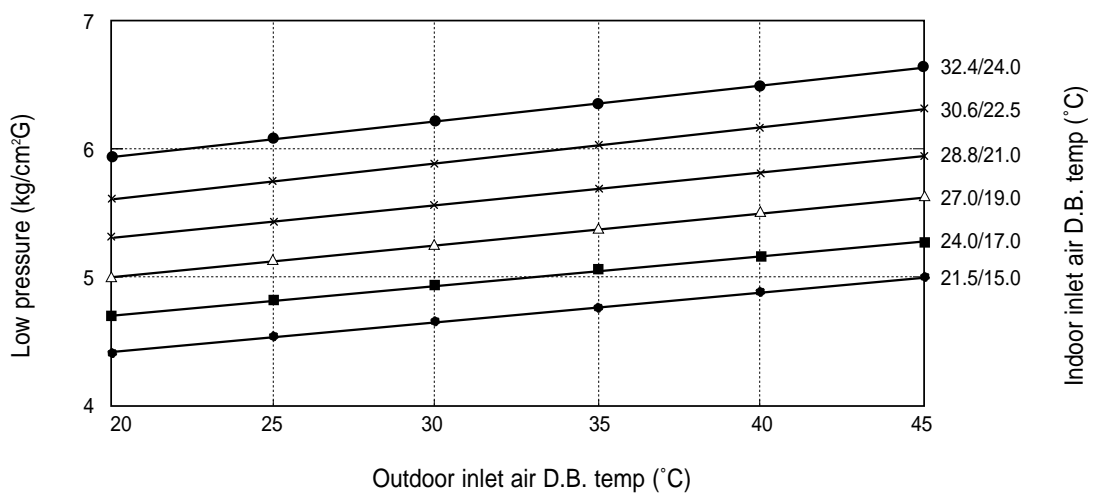
■ 12K BTU



■ 9K BTU



■ 7K BTU



MEMO