

3-3. SPECIFICATIONS

FLOOR / CEILING TYPE
AB18-24

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AB18-24

TYPE				UNIVERSAL MODELS			
MODEL NAME		INDOOR		COOLING TYPE		HEAT PUMP TYPE	
		OUTDOOR		AB * 18FBBJ		AB * 18UBBJ	
POWER SOURCE				230V ~ 50Hz			
AVAILABLE VOLTAGE RANGE				198-264V ~ 50Hz			
EUROPEAN ENERGY LABEL				COOLING		C	
CAPACITY	COOLING	RATED		kW		5.40	
				BTU/h		18400	
	HEATING	RATED		kW		6.00	
				BTU/h		20500	
INPUT POWER	COOLING	RATED		kW		1.92	
	HEATING	RATED		kW		1.85	
CURRENT	COOLING	RATED		A		8.5	
	HEATING	RATED		A		8.3	
STARTING CURRENT				A		39	
EER		COOLING		kW/kW		2.81	
COP		HEATING		kW/kW		3.24	
MOISTURE REMOVAL				l/h (pints/h)		2.0(4.2)	
AIR CIRCULATION COOL/HEAT	INDOOR	High	m ³ /h	780/-		780/780	
		Med		650/-		650/650	
		Low		550/-		550/550	
		Quiet		-		-	
	OUTDOOR	High	r.p.m	3200/-		3200/3200	
		Low		-		1640/1640	
		High		1030/-		1030/1030	
		Med		890/-		890/890	
OUTDOOR	Low	r.p.m	770/-		770/770		
	Quiet		-		-		
	High		780/-		780/780		
	Low		-		400/400		
FAN TYPE x Q'ty		INDOOR		Sirocco x 2		Sirocco x 2	
		OUTDOOR		Propeller x 1		Propeller x 1	
FAN MOTOR OUTPUT		INDOOR		W		30	
		OUTDOOR		W		65	
NOISE LEVEL (SOUND PRESSURE)	INDOOR	High	dB(A)	47(Floor console) , 46(Under ceiling)		47/47(Floor console) , 46/46(Under ceiling)	
		Med		42.5(Floor console) , 41.5(Under ceiling)		42.5/42.5(Floor console) , 41.5/41.5(Under ceiling)	
		Low		38(Floor console) , 37(Under ceiling)		38/38.5(Floor console) , 37/37.5(Under ceiling)	
COOL/HEAT		OUTDOOR		52/-		52/53	
COMPRESSOR		TYPE		ROTARY			
		OUTPUT		W		1500	
STARTING METHOD				Permanent Starting Condenser			
HEAT EXCHANGER TYPE	INDOOR	Coil	mm	Copper tube			
		Fin		Aluminium			
		Rows x Stages		2 x 12		3 x 12	
		Fin Pitch		1.2		1.3	
		Coil Dimensions		252 x 800 x 26.6		252 x 800 x 39.9	
	OUTDOOR	Coil	mm	Copper tube			
		Fin		Aluminium			
		Rows x Stages		1 x 30		2 x 30	
		Fin Pitch		1.3		1.45	
		Coil Dimensions		630 x 905 x 18.19		630 x 901 x 36.38	
CASING COLOR		INDOOR		WHITE(5Y9/0.5NN)			
		OUTDOOR		Beige (10YR7.5/1.0NN)			
DIMENSIONS H x W x D	INDOOR	NET	mm	199 x 990 x 655			
				OUTDOOR	650 x 830 x 320		
	INDOOR	GROSS			320 x 1150 x 790		
				OUTDOOR	743 x 984 x 413		
WEIGHT	INDOOR	NET /	kg(lbs)		28/37 (62/82)		28/37 (62/82)
	OUTDOOR	GROSS		47/51 (104/112)		52/56 (115/123)	
PIPE	CONNECTION METHOD			FLARE			
	SIZE	LIQUID	mm	Φ6.35(1/4 inc.)			
		GAS		Φ15.88(5/8 inc.)			
	MAX LENGTH			m			
	MAX HEIGHT			m			
REFRIGERANT		TYPE		R410A			
		CHARGE		g		900	
REFRIGERANT OIL		TYPE		POE			
OPERATION(OUTDOOR)	COOLING		°C	21 to 43		0 to 43	
	HEATING			-		-6 to 24	
REMOTE CONTROLLER TYPE				Wireless		Wireless	
DRAIN PIPE	MATERIAL			ABS			
	SIZE			mm			
				Outer diameter 26.0 / Inner diameter 21.5			

Note: Specifications are based on the following conditions.
 Cooling: Indoor temperature of 27 °CDB / 19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
 Heating: Indoor temperature of 20 °CDB / 15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
 Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

TYPE				UNIVERSAL MODELS			
MODEL NAME		INDOOR		COOLINGTYPE		HEAT PUMP TYPE	
		OUTDOOR		AB * 24FBBJ		AB * 24UBBJ	
				AO * 24FNBK		AO * 24UNBKL	
POWER SOURCE				230V~ 50Hz			
AVAILABLE VOLTAGE RANGE				198-264V~ 50Hz			
EUROPEAN ENERGY LABEL				COOLING		D	
CAPACITY	COOLING	RATED		kW		6.50	
				BTU/h		22200	
	HEATING	RATED		kW		-	
				BTU/h		-	
INPUT POWER	COOLING	RATED		kW		2.45	
	HEATING	RATED		kW		-	
CURRENT	COOLING	RATED		A		11.0	
	HEATING	RATED		A		-	
STARTING CURRENT				A		60	
EER		COOLING		kW/kW		2.65	
COP		HEATING		kW/kW		-	
MOISTURE REMOVAL				l/h (pints/h)		2.5(5.3)	
AIR CIRCULATION COOL/HEAT	INDOOR	High	m ³ /h	880/-		880/880	
		Med		740/-		740/740	
		Low		630/-		630/630	
		Quiet		-		-	
	OUTDOOR	High	r.p.m	3200/-		3200/3200	
		Low		-		1640/1640	
		High		1180/-		1180/1180	
		Med		1040/-		1040/1040	
FAN SPEED COOL/HEAT	INDOOR	Low	r.p.m	900/-		900/900	
		Quiet		-		-	
		High		780/-		780/780	
		Low		-		400/400	
FAN TYPE x Q'ty		INDOOR		Sirocco x 2			
		OUTDOOR		Propeller x 1			
FAN MOTOR OUTPUT		INDOOR		W		40	
		OUTDOOR		W		65	
NOISE LEVEL (SOUND PRESSURE)	INDOOR	High	dB(A)	50(Floor console) , 49(Under ceiling)		50/49(Floor console) , 49/47(Under ceiling)	
		Med		46(Floor console) , 45(Under ceiling)		46/45(Floor console) , 45/43.5(Under ceiling)	
		Low		42(Floor console) , 41(Under ceiling)		42/41.5(Floor console) , 41/39.5(Under ceiling)	
COOL/HEAT		OUTDOOR		53/-		53/54	
COMPRESSOR		TYPE		ROTARY			
		OUTPUT		W		1900	
		STARTING METHOD		Permanent Starting Condenser			
HEAT EXCHANGER TYPE	INDOOR	Coil	mm	Copper tube			
		Fin		Aluminium			
		Rows x Stages		3 x 12			
		Fin Pitch		1.3			
		Coil Dimensions		252 x 800 x 39.9			
	OUTDOOR	Coil	mm	Copper tube			
		Fin		Aluminium			
		Rows x Stages		2 x 30			
		Fin Pitch		1.45			
		Coil Dimensions		630 x 901 x 36.38			
CASING COLOR		INDOOR		WHITE(5Y9/0.5NN)			
		OUTDOOR		Beige (10YR7.5/1.0NN)			
DIMENSIONS H x W x D	INDOOR	NET	mm	199 x 990 x 655			
				OUTDOOR	GROSS	650 x 830 x 320	
	INDOOR	GROSS				320 x 1150 x 790	
				OUTDOOR	GROSS	743 x 984 x 413	
WEIGHT	INDOOR	NET / GROSS	kg(lbs)			28/37(62/82)	
				OUTDOOR	GROSS	58/62(128/137)	
PIPE	CONNECTION METHOD					FLARE	
	SIZE	LIQUID	mm	Φ 9.52(3/8 inc.)			
		GAS		Φ 15.88(5/8 inc.)			
	MAX LENGTH			m			
	MAX HEIGHT			m			
REFRIGERANT		TYPE		R410A			
		CHARGE		g		1550	
REFRIGERANT OIL		TYPE		POE			
OPERATION(OUTDOOR)	COOLING		°C	21 to 43		0 to 43	
	HEATING			-		-6 to 24	
REMOTE CONTROLLER TYPE				Wireless		Wireless	
DRAIN PIPE	MATERIAL			ABS			
	SIZE			mm			
				Outer diameter 26.0 / Inner diameter 21.5			

Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27 °CDB / 19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.
Heating: Indoor temperature of 20 °CDB / 15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)