

2-3. SPECIFICATIONS

CASSETTE TYPE
AU12-18

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TYPE			CASSETTE MODELS								
			COOLING TYPE				HEAT PUMP TYPE				
MODEL NAME			INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR	INDOOR		
			AO * 12FSAJ	AO * 14FSDJ	AO * 18FNCKL	AO * 12USAJL	AO * 14USDJL	AO * 18UNCKL			
POWER SOURCE			230V ~ 50Hz								
AVAILABLE VOLTAGE RANGE			198 - 264V ~ 50Hz								
EUROPEAN ENERGY LABEL			COOLING	C	C	D	C	C	D		
CAPACITY	COOLING	RATED	kW	3.60	4.10	5.00	3.55	3.95	4.85		
		BTU/h	12300	14000	17100	12100	13500	16600			
	HEATING	RATED	kW	-	-	-	4.00	4.60	5.40		
		BTU/h	-	-	-	13700	15700	18400			
INPUT POWER	COOLING	RATED	kW	1.24	1.39	1.90	1.24	1.40	1.85		
	HEATING	RATED	kW	-	-	-	1.21	1.42	2.00		
CURRENT	COOLING	RATED	A	5.5	6.3	8.5	5.5	6.3	8.2		
	HEATING	RATED	A	-	-	-	5.4	6.3	9.2		
STARTING CURRENT			A	30.0	31.0	39.0	30.0	31.0	39.0		
EER			COOLING	kW/kW	2.90	2.95	2.63	2.86	2.82	2.62	
COP			HEATING	kW/kW	-	-	-	3.31	3.24	2.7	
MOISTURE REMOVAL			l/h (pints/h)	1.3(2.7)	1.5(3.2)	2.1(4.4)	1.3(2.7)	1.5(3.2)	2.1(4.4)		
AIR CIRCULATION COOL/HEAT	INDOOR	High	m³/h	550/-		620/-		550/550		620/620	
		Med		500/-		520/-		500/500		520/520	
		Low		440/-		450/-		440/440		450/450	
		Quiet		-		-		-		-	
	OUTDOOR	High	1600/-		3400/-		1600/1600		3200/3200		
		Low	-		-		-		-		
FAN SPEED COOL/HEAT	INDOOR	High	r.p.m	750/-		800/-		730/730		800/800	
		Med		670/-		700/-		670/670		700/700	
		Low		590/-		600/-		590/590		600/600	
		Quiet		-		-		-		-	
	OUTDOOR	High	740/-		780/-		740/740		780/780		
		Low	-		400/-		440/440		400/400		
FAN TYPE x Q'ty			INDOOR	Turbo x 1							
			OUTDOOR	Propeller x 1							
FAN MOTOR OUTPUT			INDOOR	10		14		10		14	
			OUTDOOR	22		65		22		65	
NOISE LEVEL (SOUND PRESSURE)	INDOOR	High	dB(A)	42 / -		44 / -		42 / 43		44 / 45	
		Med		39 / -		41 / -		39 / 40		41 / 41	
		Low		36 / -		37 / -		36 / 37		37 / 37	
COOL/HEAT	OUTDOOR		49 / -		52 / -		49 / 50		52 / 53		
COMPRESSOR			TYPE	ROTARY							
			OUTPUT	1075		1150		1500		1075	
			STARTING METHOD	Permanent Starting Condenser							
HEAT EXCHANGER TYPE	INDOOR	Coil	Copper tube								
		Fin	Aluminium								
		Rows x Stages	2 x 10								
		Fin Pitch	1.4								
	OUTDOOR	Coil Dimensions	210 x 1000 x 26.6								
		Coil	Copper tube								
		Fin	Aluminium								
		Rows x Stages	2 x 24		1 x 30		2 x 24		2 x 30		
Fin Pitch	1.45		1.3		1.45						
Coil Dimensions	504 x 658 x 36.38		630 x 905 x 18.19		504 x 685 x 36.38		630 x 901 x 36.38				
CASING COLOR			INDOOR	White (GY9/0.5NN)							
			OUTDOOR	Beige(10YR7.5/1.0NN)							
DIMENSIONS H x W x D	INDOOR	NET	mm	235 x 580 x 580							
				530 x 750 x 250		650 x 830 x 320		530 x 750 x 250		650 x 830 x 320	
	GRILLE	INDOOR		35 x 650 x 650							
				280 x 710 x 750							
	OUTDOOR	GROSS		609 x 882 x 339		743 x 984 x 413		609 x 882 x 339		743 x 984 x 413	
				70 x 720 x 720							
WEIGHT	INDOOR	NET / GROSS	kg(lbs)	18/23 (40/51)							
				34/36 (75/79)		35/37 (77/82)		52/56 (115/123)		34/36 (75/79)	
	GRILLE	2.2/4.3 (4.9/9.5)									
PIPE			CONNECTION METHOD	FLARE							
	SIZE	LIQUID	mm	φ 6.35(1/4 inc.)							
		GAS		φ 9.52(3/8 inc.)		φ 12.7(1/2 inc.)		φ 9.52(3/8 inc.)		φ 12.7(1/2 inc.)	
	MAX LENGTH	20(chargeless:7.5)									
	MAX HEIGHT	8									
REFRIGERANT			TYPE	R410A							
			CHARGE	800		900		800		850	
REFRIGERANT OIL			TYPE	POE							
OPERATION(OUTDOOR)	COOLING	°C	21 to 43		0 to 43		0 to 43				
	HEATING		-						-7 to 24		
REMOTE CONTROLLER TYPE			Wireless				Wireless				
DRAIN PIPE			MATERIAL	PP							
			SIZE	Outer diameter 37.0 / Inner diameter 32.0							

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)