

## DUCT TYPE

Model Name	Indoor unit		5HP	6HP	8HP	10HP	
	Outdoor unit		FDR05NY1 RUR05NY1	FDR06NY1 RUR06NY1	FDR08NY1 RUR08NY1	FDR10NY1 RUR10NY1	
Power supply	380-415 V, 50 Hz, 3 Phase, 4 Wires						
Cooling capacity <sup>1,3</sup>	kW		14.7	17.6	23.5	29.3	
	Btu/h		50,000	60,000	80,000	100,000	
	kcal/h		12,600	15,100	20,200	25,200	
Power consumption <sup>1</sup>	kW		5.6	6.5	9.0	11.4	
Running current	A		9.2	10.6	15.2	19.2	
Starting current	%		87.9	88.5	85.6	85.7	
Power factor	A		70.0	78.2	115.5	129.5	
Indoor unit	Colour		Galvanize steel				
	Airflow rate (H)	m <sup>3</sup> /min	46	54	68	78	
		cfm	1,620	1,910	2,400	2,750	
	Fan	External static pressure	9		10		
		Driving system	Belt drive				
	Sound level (H) <sup>2</sup>	dB(A)	49	51		53	
	Dimensions (HxWxD)	mm	450x900x850	450x1,130x850	500x1,130x850	500x1,330x850	
	Machine weight	kg	72	79	93	104	
Operation range	°CWB	14 to 25					
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	4.5	4.5	6.7	9.0
	Refrigerant charge (R-410A)	kg	2.5 (Charged for 7.5 m)	3.5 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	6.0 (Charged for 7.5 m)	
	Refrigerant oil	Model	DAPHNE FVC68D		POLYOL ESTER		
		Charge	L	1.4	1.8	3.3	3.3
	Sound level <sup>2</sup>	380V	dBA	59	59	60	61
		415V	dBA	60	60	61	62
	Dimensions (HxWxD)	mm	1,345x900x320		1,680x930x765		
	Machine weight	kg	92	105	203	206	
Operation range	°CDB	21 to 46					
Piping connections	Indoor unit	Liquid	mm	ø9.5(Brazing)		ø12.7(Brazing)	
		Gas	mm	ø19.1(Brazing)		ø22.2(Brazing)	
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ø9.5(Flare)		ø12.7(Flare)	
		Gas	mm	ø19.1(Flare)		ø22.2(Brazing)	
		Drain	mm	ø26.0 (Hole)		ø28.6(Brazing)	
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

Model Name	Indoor unit		13HP	15HP	18HP	20HP	
	Outdoor unit		FDR13NY1 RUR13NY1	FDR15NY1 RUR15NY1	FDR18NY1 RUR18NY1	FDR20NY1 RUR20NY1	
Power supply	380-415 V, 50 Hz, 3 Phase, 4 Wires						
Cooling capacity <sup>1,3</sup>	kW		35.2	46.9	52.8	58.6	
	Btu/h		120,000	160,000	180,000	200,000	
	kcal/h		30,200	40,300	45,400	50,400	
Power consumption <sup>1</sup>	kW		15.0	17.9	21.5	25.1	
Running current	A		24.5	29.2	35.1	40.9	
Starting current	%		88.4	88.5	88.4	88.6	
Power factor	A		118.0	130.3	143.4	146.3	
Indoor unit	Colour		Galvanize steel				
	Airflow rate (H)	m <sup>3</sup> /min	136		166		
		cfm	4,800		5,860		
	Fan	External static pressure	15				
		Driving system	Belt drive				
	Sound level (H) <sup>2</sup>	dB(A)	58		60		
	Dimensions (HxWxD)	mm	625x1,620x850		625x1,980x850		
	Machine weight	kg	161		187		
Operation range	°CWB	14 to 25					
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	5.0+5.0	6.7+6.7	7.5+7.5	9.0+9.0
	Refrigerant charge (R-410A)	kg	4.5 (Charged for 7.5 m)	8.0 (Charged for 7.5 m)			
	Refrigerant oil	Model	POLYOL ESTER				
		Charge	L	5.0	6.5	6.5	6.5
	Sound level <sup>2</sup>	380V	dBA	61	62	63	63
		415V	dBA	62	63	64	64
	Dimensions (HxWxD)	mm	1,680x1,240x765				
	Machine weight	kg	243	319	322	329	
Operation range	°CDB	21 to 46					
Piping connections	Indoor unit	Liquid	mm	ø12.7(Brazing)		ø15.9(Brazing)	
		Gas	mm	ø28.6(Brazing)		ø34.9(Brazing)	
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ø12.7(Flare)		ø15.9(Flare)	
		Gas	mm	ø28.6(Brazing)		ø34.9(Brazing)	
		Drain	mm	---			
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

Note : <sup>1</sup>Rated cooling capacities are based on the following conditions : Suction temp., 27°CDB, 19.5°CWB ; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).  
<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.  
<sup>3</sup>Capacity includes indoor fan motor heat.