



Firefly Model	unit	FFD-3.8	FFD-5.4	FFD-7.6	FFD-9.3		
Power supply	Ph-V-Hz	220V~240V/1Ph/50Hz	220V~240V/1Ph/50Hz	220V~240V/1Ph/50Hz	220V~240V/1Ph/50Hz		
Working temp	°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	-15°C~43°C		
Max. outlet Water temp.	°C	60°C	60°C	60°C	60°C		
Water Heating (A20/W55)	Heating capacity (A20/W15~55)	KW	3,8	5,4	7,6	9,5	
	Hot water output	L/h	80	107	155	193	
	Input (water pump included)	KW	0,9	1,28	1,79	2,31	
	COP	W/W	3,89	3,91	4,02	3,9	
	Rated current	A	3,97	5,8	8,23	11,17	
Max. input consumption	KW	1,31	1,86	2,6	3,35		
Max. input current	A	6,2	8,9	12,4	16		
Starting current	A	18	28	35	61		
Cabinet		galvanized cabinet of electrophoresis(EP)	galvanized cabinet of electrophoresis(EP)	galvanized cabinet of electrophoresis(EP)	galvanized cabinet of electrophoresis(EP)		
Compressor	Model	KN104VGMCC	PA160X2C-4FT	RN22VHFMC	PA290X3CS-4MU1		
	Type	Rotary	Rotary	Rotary	Rotary		
	Brand	Mitsubishi	Toshiba	Mitsubishi	Toshiba		
	Input	KW	0,88	1,35	1,81	2,43	
	Rated current	A	4,1	6,25	8,5	11,4	
	Locked rotor Amp	A	18	28	35	61	
	Thermal protector		INNER	INNER	INNER	INNER	
Capacitor	µF	25	35	50	50		
Fan motor	Model	YDK-20A-6-2	YDK-25-6-2	YDK-40B-6-2	YDK-40B-6-2		
	Brand	XINKE/JUNFENG	XINKE/JUNFENG	XINKE/JUNFENG	XINKE/JUNFENG		
	Input	W	65	70	100	100	
	Capacitor	µF	2	2	3	3	
	Speed	r/min	870/430	820/450	900/500	900/500	
	Diameter of fan	mm	320	400	420	420	
	Quantity		1	1	1	1	
Condenser	Type		copper tube in shell	copper tube in shell	copper tube in shell		
	Model		HD016-002	GBH02-CMF	GBH03-CMF	GBH04-CMF	
	Brand		TUOQUU	XINLEI	XINLEI	XINLEI	
	Diameter of copper pipe	mm	16	19	19	9	
	Length	m	2,4	2,63	3,73	4,34	
	Quantity		1	1	1	1	
	Evaporator	a.Number of rows		one and a half	one and a half	one and a half	two
b.Tube pitch(a)x row pitch(b)		mm	25 x22	25 x22	25 x22	25 x22	
c.Fin spacing		mm	1,6	1,6	1,6	1,6	
d.Fin type			Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	
e.Tube outer dia. And type		mm	φ9.52 innergroove tube	φ9.52 innergroove tube	φ9.52 innergroove tube	φ9.52 innergroove tube	
f.Coil length x width x height		mm	639*44*450	749*44*500	749*44*500	749*44*500	
g.Number of circuits			1	1	1	1	
Four-way valve		Model		STF-0108G	STF-0108G	STF-0218G	STF-0218G
		Brand		Saginomiya	Saginomiya	Saginomiya	Saginomiya
contactor	Model		Relay	Relay	Relay	AC contactor	
	Brand		/	/	/	GUIJLIN-CJX9B-25S/D	
Throttling element	Type		capillary tube	capillary tube	capillary tube	capillary tube	
Water pump	Brand		WILO	WILO	WILO	WILO	
	Model		RS 15/6	RS 15/6	RS 15/6	RS 15/6	
Water system	materials of water pipe		Copper	Copper	Copper	Copper	
	water flow	m3/h	0,816852966	1,160791058	1,633705933	2,042132416	
	Water different pressure	Kpa	60	50	60	60	
	Diameter,water inlet pipe	mm	3/4"	3/4"	3/4"	3/4"	
Gas pressure gage	Diameter,water outlet pipe	mm	3/4"	3/4"	3/4"	3/4"	
	Brand		REFCO	REFCO	REFCO	REFCO	
Refrigerant	Model		MR-305-DS-R410A	MR-305-DS-R410A	MR-305-DS-R410A	MR-305-DS-R410A	
	qty.	pcs	1	1	1	1	
	Quantity	g	650	850	950	1200	
Outdoor noise level (1 meter)	Type		R410A	R410A	R410A	R410A	
		dB(A)	52	53	54	55	
Wire controller	Type		Intelligent & LCD	Intelligent & LCD	Intelligent & LCD	Intelligent & LCD	
	The length of wires	m	12	12	12	12	
	set Temp.	°C	25~60	25~60	25~60	25~60	
Outdoor unit	NG	kg	37	49	60	66	
	WG	kg	43	54	65	72	
	Dimension(L*W*H)	mm	750*264*493	935*282*545	1002*302*620	1002*302*620	
	Packing(L*W*H)	mm	825*310*523	980*330*590	1055*395*760	1135*395*760	
Loading Qty.	(20"/40"/40HQ)	pcs	218/450/500	126/265/290	87/183/244	87/183/244	
Warranty	Months		24	24	24	24	

▲ Standard test condition: Dry/Wet Bulb Temp.: 20°C/15°C; Water Outlet Temp.: 15°C~55°C.