



ESPECIFICACIONES TÉCNICAS

MINISPLIT ON-OFF SERIE CL BOMBA DE CALOR

Modelo		--	FTYN12CL116-3 RYN12CL116	FTYN12CL216-3 RYN12CL216	FTYN18CL216-3 RYN18CL216	FTYN24CL216-3 RYN24CL216
Power Supply	Voltage	V~	115	230	220	220
	Frequency	Hz	60	60	60	60
	Phases	--	1	1	1	1
Power Supply Mode		--	Indoor	Indoor	Indoor	Indoor
Cross-sectional Area of Power Cable Conductor		mm ²	2.50	1.00	1.50	2.50
Recommended Power Cable(Core)		N	3	3	3	3
Min/Max. Voltage		V	103.5/126.5	207/253	185/264	185/242
Cooling Capacity		W	3282	3282	5130	6450
Cooling Capacity		Btu/h	11200	11200	17504	22000
Heating Capacity		W	3517	3664	5250	6800
Heating Capacity		Btu/h	12000	12500	17913	23202
Cooling Power Input		W	1160	1150	1870	2300
Max. Cooling Power Input		W	1500	1500	/	/
Heating Power Input		W	1060	1080	1770	2100
Max. Heating Power Input		W	1400	1400	/	/
Cooling Current		A	10.41	5.01	8.67	10.67
Heating Current		A	9.67	4.72	8.21	9.74
Rated Input		W	1500	1500	2400	2700
Rated Current		A	14.75	7.04	12.1	13.96
Rated Heating Current		A	13.44	6.39	12.2	13.45
EER		W/W	2.83	2.85	2.74	2.80
EER		(Btu/h)/ w	9.66	9.74	9.36	9.57
COP		W/W	3.32	3.39	2.97	3.24
COP		(Btu/h)/ w	11.32	11.57	10.12	11.05
Air Flow Volume		m ³ /h	600/470/380/320	600/470/380/320	900/850/ /750/ /600/	1300/1150/1000/850/
Air Flow Volume		CFM	353/277/224/188	353/277/224/188	530/500/0/441/0/353/0	765/677/588/500/0
Dehumidifying Volume		L/h	1.20	1.20	1.80	2.00
Dehumidifying Volume		PINT/D	2.54	2.54	3.80	4.23
Application Area		m ²	16-24	16-24	23-34	27-42
Indoor Unit	Indoor Unit Model	--	FTYN12CL116-3	FTYN12CL216-3	FTYN18CL216-3	FTYN24CL216-3
	Fan Type	--	Cross-flow	Cross-flow	Cross-flow	Cross-flow
	Fan Diameter Length(D×L)	mm	φ98×580	φ98×580	φ106×706	108×830
	Cooling Speed	r/min	1450/1200/1050/800	1450/1200/1050/800	1350/1200/1050/900	1300/1150/1000/850
	Heating Speed	r/min	1350/1200/1050/900	1350/1200/1050/900	1350/1200/1100/900	1300/1150/1000/850
	Fan Motor Power Output	W	20	20	35	35
	Fan Motor RLA	A	0.40	0.20	0.37	0.32A
	Fan Motor Capacitor	μF	4	1	2.5	3
	Evaporator Form	--	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	φ5	φ5	φ7	φ7
	Evaporator Row-fin Gap	mm	2-1.4	2-1.4	2-1.4	2-1.4
	Evaporator Coil Length (L×D×W)	mm	584×22.8×266.7	584×22.8×266.7	715×25.4×304.8	845×25.4×342.9
	Swing Motor Model	--	MP24AA	MP24AA	MP35CJ	MP35CJ
	Swing Motor Power Output	W	1.5	1.5	2.5	2.5
	Fuse Current	A	3.15	3.15	3.15	3.15
	Set Temperature Range	°C	16~30	16~30	16~30	16~30
	Set Temperature Range	°F	61~86	61~86	61~86	61~86
	Sound Pressure Level	dB (A)	43/38/34/30	43/38/34/30	47/44/ /41/ /37	49/46/ /41/ /37/
	Sound Power Level	dB (A)	53/48/44/40	53/48/44/40	57/54/51/47	59/56/ /51/ /47/
	Dimension (W×H×D)	mm	790×200×275	790×200×275	970×300×224	1078×325×246
	Dimension (W×H×D)	inch	31.102×7.874×10.827	31.102×7.874×10.827	38.189×11.811×8.819	42.441×12.795×9.685
	Dimension of Carton Box (LxWxH)	mm	850×339×262	850×339×262	1038×380×305	1145×410×335
	Dimension of Carton Box (LxWxH)	inch	33.464×13.346×10.315	33.464×13.346×10.315	40.866×14.961×12.008	45.079×16.142×13.189
	Dimension of Package(LxWxH)	mm	852×355×273	852×355×273	1041×383×320	1148×413×350
	Dimension of Package(LxWxH)	inch	33.543×13.976×10.748	33.543×13.976×10.748	40.984×15.079×12.598	45.197×16.26×13.78
	Stacked Layers	--	7	7	7	7
	Net Weight	kg	9.5	9.5	13.5	16.5
Net Weight	lb	20.9	20.9	29.8	36.4	
Gross Weight	kg	11.5	11.5	16.5	20	
Gross Weight	lb	25.4	25.4	36.4	44.1	

Outdoor Unit	Outdoor Unit Model	--	RYN12CL116	RYN12CL216	RYN18CL216	RYN24CL216
	Compressor Oil	--	RB68EP或FVC68D	RB68EP或FVC68D	RB68EP	ATMOS-NM56EP
	Compressor Type	--	Rotary	Rotary	Rotary	Rotary
	Compressor LRA	A	54	29	39.00	53.00
	Compressor RLA	A	9.5	5.0	7.90	8.55
	Compressor Power Input	W	1090	1124	1680	2120
	Compressor Overload Protector	--	UP3-49	UP3-02A	UP3-A6	UP3-09
	Fan Type	--	Axial-flow	Axial-flow	Axial-flow	Axial-flow
	Fan Diameter	mm	400.0	394.5	φ400	480
	Fan Diameter	inch	/	/	15.75	/
	Fan Motor Speed	rpm	850	850	920	780
	Fan Motor Power Output	W	30	35	40	50
	Fan Motor RLA	A	0.53	0.34	0.55	0.44A
	Fan Motor Capacitor	μF	7	2.5	2.5	3
	Outdoor Unit Air Flow Volume	m ³ /h	1600	1600	1800	3000
	Condenser Form	--	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	φ7.94	φ7.94	φ7.94	φ7
	Condenser Pipe Diameter	inch	/	/	0.313	/
	Condenser Rows-fin Gap	mm	1-1.4	1-1.4	2-1.4	2-1.4
	Condenser Rows-fin Gap	inch	/	/	3/38-1/18	/
	Condenser Coil Length (L×D×W)	mm	696×19.05×506	696×19.05×506	735×38.1×508	804×38.1×616
	Condenser Coil Length (L×D×W)	inch	/	/	28 15/16x1 1/2x20	/
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5	2.5	2.5
	Maximum Allowable Pressure	MPa	4.3	4.3	4.3	4.3
	Cooling Operation Ambient Temperature Range	°C	18~48	18~48	18~43	18~43
	Cooling Operation Ambient Temperature Range	°F	64~118	64~118	64~109	64~109
	Heating Operation Ambient Temperature Range	°C	-7~24	-7~24	-7~24	/
	Heating Operation Ambient Temperature Range	°F	19~75	19~75	19~75	/
	Throttling Method	--	Capillary	Capillary	Capillary	Capillary
	Climate Type	--	T1	T1	T1	T1
	Climate Zone	--	Temperate Zone	Temperate Zone	Torrid Zone	Subtropical Zone
	Isolation	--				
	Moisture Protection	--	IPX4	IPX4	IPX4	IPX4
	Sound Pressure Level	dB (A)	51	51	55	54
	Sound Power Level	dB (A)	61	61	65	64
	Dimension (WxHxD)	mm	776x540x320	776x540x320	848x540x320	904x646x373
	Dimension (WxHxD)	inch	30.551x21.26x12.598	30.551x21.26x12.598	33.386x21.26x12.598	/
	Dimension of Carton Box (LxWxH)	mm	820x355x580	820x355x580	878x360x580	960x408x680
	Dimension of Carton Box (LxWxH)	inch	32.283x13.976x22.835	32.283x13.976x22.835	34.567x14.173x22.835	/
Dimension of Package(LxWxH)	mm	823x358x595	823x358x595	881x363x595	963x411x695	
Dimension of Package(LxWxH)	inch	32.402x14.094x23.425	32.402x14.094x23.425	34.685x14.291x23.425	/	
Stacked Layers	--	5	5	5	4	
Net Weight	kg	28.5	28	37	50	
Net Weight	lb	62.8	61.7	81.6	110.2	
Gross Weight	kg	31	30.5	39.5	53.00	
Gross Weight	lb	68.4	67.3	87.1	116.9	
Refrigerant	--	R410A	R410A	R410A	R410A	
Refrigerant Charge	kg	0.70	0.74	1.35	1.6	
Refrigerant Charge	oz	24.7	26.1	47.6	56.4	
Connection Pipe	Length	m	5	5	5	5
	Length	ft	16.4	16.4	16.4	16.4
	Gas Additional Charge	g/m	8.0	15	15	50
	Gas Additional Charge	oz/ft.	0.1	0.2	0.2	0.5
	Outer Diameter of Liquid Pipe	mm	φ6	φ6	φ6	φ6
	Outer Diameter of Liquid Pipe	inch	1/4"	1/4"	1/4"	1/4"
	Outer Diameter of Gas Pipe	mm	φ12	φ12	φ12	φ16
	Outer Diameter of Gas Pipe	inch	1/2"	1/2"	1/2"	5/8"
	Max Distance Height	m	10	10	10	10
	Max Distance Height	ft	32.8	32.8	32.8	32.8
Loading Quantity	Max Distance Length	m	20	20	25	25
	Max Distance Length	ft	65.6	65.6	82.0	82.0
	Loading Quantity (20' Container)	unit	115	115	84	60
Loading Quantity (40' Container)	unit	234	234	173	126	
Loading Quantity (40' High Cube Container)	unit	263	263	208	147	

Function	Automatic Operation		YES	YES	YES	YES
	Cooling		YES	YES	YES	YES
	Heating		YES	YES	YES	YES
	Dehumidify		YES	YES	YES	YES
	Fan		YES	YES	YES	YES
	Sleep Mode		Normal sleep mode	Normal sleep mode	Normal sleep mode	Normal sleep mode
	Auto Swing (Vertical Auto Swing)		YES	YES	YES	YES
	Auto Swing (Horizontal Auto Swing)		NO	NO	NO	NO
	Auto Fan		YES	YES	YES	YES
	Quiet		NO	NO	NO	NO
	I Feel		NO	NO	NO	NO
	Anion		NO	NO	NO	NO
	Cold Plasma		NO	NO	NO	NO
	Intelligent Preheating		YES	YES	YES	YES
	Fresh Air		NO	NO	NO	NO
	Dry Anti-Mildew Design		NO	NO	NO	NO
	Several Optional Filters (eg: Active Carbon)		Optional	Optional	YES	YES
	Auto Clean		NO	NO	NO	NO
	Timer		YES	YES	YES	YES
	Auto Restart		YES	YES	YES	YES
	Turbo		YES	YES	YES	YES
	Clock		NO	NO	NO	NO
	Temperature		NO	YES	NO	NO
	Soft Start		NO	NO	NO	NO
	Self Diagnosis		YES	YES	YES	YES
	Lock		YES	YES	YES	YES
	CO Detection		NO	NO	NO	NO
	CO ₂ Detection		NO	NO	NO	NO
	Filter Dirty Alarm		NO	NO	NO	NO
	Intelligent Open-Close Panel		NO	NO	NO	NO
	Compressor Electric Heater Function		NO	NO	NO	NO
	Chassis Electric Heater Function		NO	NO	NO	NO
	Quick Connector		NO	NO	NO	NO
	LCD (No Back Light)		YES	YES	YES	YES
	LCD (Back Light)		NO	NO	NO	NO
	LED		YES	YES	YES	YES
	Intelligent Defrosting		YES	YES	YES	YES
	Force Defrosting		YES	YES	YES	YES
	Auxiliary Electrical Heater		NO	NO	NO	NO
	Energy Saving		NO	NO	NO	NO
8°C Heating Mode		NO	NO	NO	NO	
Turbo Cooling		YES	YES	YES	YES	
High-Voltage Electrostatic Dedust		NO	NO	NO	NO	
Low Ambient Cooling		NO	NO	NO	NO	
Low Ambient Heating		NO	NO	NO	NO	
Low Voltage Startup		NO	NO	YES	NO	
Standby		NO	YES	NO	NO	
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