

Technical specification : A4 duct R-22 60Hz Vertical Rev.0

3			Set	YUEA18FV-ADT+YNDA18FS-EDT	YUEA24FV-ADT+YNDA24FS-EDT
4	Model	York	Indoor	YUEA18FV-ADT	YUEA24FV-ADT
5			Outdoor	YNDA18FS-EDT	YNDA24FS-EDT
6	Power supply		V/Ph/Hz	220~230V-1Ph-60Hz	220~230V-1Ph-60Hz
7	Cooling	Capacity	Btu/h	16671	23348
8		Capacity	kW	4.886	6.843
9		Input	W	2014	2833
10		Rated current	A	9.3	12.3
11		EER	W/W	2.43	2.42
12	Heating	Capacity	Btu/h	-	-
13		Capacity	kW	-	-
14		Input	W	-	-
15		Rated current	A	-	-
16		COP	W/W	-	-
17	Moisture Removal		L/h	1.8	2.4
18	Max. input consumption		W	2800	3600
19	Max. current		A	13.2	18
20	Starting current		A	41.7	44.8
21	Compressor	Model		PH260X2CS-3KUU1	PH361X3CS-3KUU
22		Type		ROTARY	ROTARY
25		Capacity	Btu/h	19107	26272
26		Input	W	1865	2500
27		Rated current(RLA)	A	8.55	11.15
28		Locked rotor Amp(LRA)	A	41.7	44.8
29		Thermal protector		Internal	Internal
30		Capacitor	µF	40µF/440-450V	55µF/450V
31	Compressor oil	ml	SUNISO 4GSD/ATMOS NM56EP / 750	SUNISO 4GSD / 850	
32	Indoor fan motor	Model		YSK55-4W	YSK105-6W
74		Type		AC motor	AC motor
75		Brand		Yong'an	Yong'an
33		Input	W	158/138/134	242/195/152
34		Capacitor	µF	3.5µF/500V	5µF/450V
35		Speed (Hi/Me/Lo)	rpm	930/850/690	701/610/520
36	Indoor coil	Number of rows		2	2
37		Tube pitch(a)x row pitch(b)	mm	25.4×22	25.4×22
38		Fin spacing	mm	1.8	1.5
39		Fin material		Hydrophilic aluminium	Hydrophilic aluminium
40		Tube outer dia.and type	mm	Φ9.52 inner groove tube	Φ9.52 inner groove tube
41		Coil length x height x width	mm	685×216×44	885×305×44
42		Number of circuits		4	6
43	Indoor air flow (Hi/Me/Lo)		m ³ /h	1030	1730
44	External static pressure (Min/Test/Max)		Pa	50	50
45	Indoor noise level - sound pressure (Hi/Me/Lo)		dB(A)	51.5	52.6
46	Indoor unit	Dimension (W*H*D)	mm	927×490×240	1169×590×340
47		Packing (W*H*D)	mm	1051×514×264	1318×619×381
48		Net/Gross weight	kg	20/23	42/43
49	Outdoor fan motor	Model		YDK80-6M-2	YDK80-6M-2
76		Type		AC motor	AC motor
77		Brand		Weiling	Weiling
50		Input	W	160	160
51		Capacitor	µF	6µF/450V	6µF/450V
52		Speed	rpm	920	920
53	Outdoor coil	Number of rows		1	1
54		Tube pitch(a)x row pitch(b)	mm	21×13.37	21×13.37
55		Fin spacing	mm	1.3	1.3
56		Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium
57		Tube outer dia.and type	mm	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube
58		Coil length x height x width	mm	1404×588×13.37	1404×588×13.37
59	Outdoor air flow		m ³ /h	3300	3300
60	Outdoor noise level-sound pressure		dB(A)	60.1	62
61	Outdoor unit	Dimension (W*H*D)	mm	554×633×554	554×633×554
62		Packing (W*H*D)	mm	582×670×582	582×670×582
63		Net/Gross weight	kg	42/45	46/49
64	Refrigerant charge		g	R22/1100	R22/1300
65	Design pressure		MPa	2.6/1.0	2.6/1.0
66	Refrigerant pipe	Liquid side/ Gas side	mm	φ6.4/φ12.7	φ9.5/φ15.9
67		Max.refrigerant pipe length	m	30	30
68		Max. difference in level	m	10	10
69	Drainage pipe - inner diameter		mm	ODφ25	ODφ25
70	Operation temp		℃	17 to 30	17 to 30
71	Ambient temp		℃	Cooling: 21~43	Cooling: 21~43
72	Application area		m ²	21-35	28-47
73	Qty'per 20' /40' /40'HQ		Sets	75/156/184	52/107/126

Test condition

Cooling	Heating
Indoor 27/19℃ DB/WB	Indoor 20℃ DB
Outdoor 35℃ DB	Outdoor 7/6℃ DB/WB

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Model	York	Set	YUEA36FV-ADT+YNDA36FS-EDT	YUEA48FV-ADT+YNDA48FS-EDT	YUEA60FV-ADT+YNDA60FS-EDT
		Indoor	YUEA36FV-ADT	YUEA48FV-ADT	YUEA60FV-ADT
		Outdoor	YNDA36FS-EDT	YNDA48FS-EDT	YNDA60FS-EDT
Power supply		V/Ph/Hz	220~230V-1Ph-60Hz	220~230V-1Ph-60Hz	220~230V-1Ph-60Hz
Cooling	Capacity	Btu/h	32547	42554	49314
	Capacity	kW	9.539	12.472	14.453
	Input	W	3848	5050	5878
	Rated current	A	16.73	23.1	25.5
	EER	W/W	2.48	2.47	2.46
Heating	Capacity	Btu/h	-	-	-
	Capacity	kW	-	-	-
	Input	W	-	-	-
	Rated current	A	-	-	-
	COP	W/W	-	-	-
Moisture Removal		L/h	3.6	4.8	6
Max. input consumption		W	5000	6600	7300
Max. current		A	26	35.5	39.5
Starting current		A	98	130	151
Compressor	Model		C-R221H6R	C-SB301H6B	C-SB351H6A
	Type		ROTARY	SCROLL	SCROLL
	Capacity	Btu/h	37020	49474	57322
	Input	W	3480	4550	5250
	Rated current(RLA)	A	15.8	21.3	26
	Locked rotor Amp(LRA)	A	98	130	151
	Thermal protector		Internal	Internal	Internal
	Capacitor	µF	40µF/440-450V	50µF/440-450V	70µF/450V
Compressor oil	ml	SAY-56T / 1350	SAY-56T / 1700	SAY-56T / 1700	
Indoor fan motor	Model		YSK105-6W	YSK150-6W	YSK230-6W
	Type		AC motor	AC motor	AC motor
	Brand		Yong'an	Yong'an	Yong'an
	Input	W	242/195/152	370/288/225	435/365/315
	Capacitor	µF	5µF/450V	6µF/450V	10µF/450V
	Speed (Hi/Me/Lo)	rpm	701/610/520	880/705/565	835/755/680
Indoor coil	Number of rows		3	3	3
	Tube pitch(a)x row pitch(b)	mm	25.4×22	25.4×22	25.4×22
	Fin spacing	mm	1.8	1.8	1.8
	Fin material		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outer dia.and type	mm	Φ9.52 inner groove tube	Φ9.52 inner groove tube	Φ9.52 inner groove tube
	Coil length x height x width	mm	885×305×66	1085×305×66	1277×305×66
Indoor air flow (Hi/Me/Lo)		m ³ /h	1730	2130	2970
External static pressure (Min/Test/Max)		Pa	50	50	50
Indoor noise level - sound pressure (Hi/Me/Lo)		dB(A)	52.6	57.7	61.3
Indoor unit	Dimension (W*H*D)	mm	1169×590×340	1369×590×340	1500×590×340
	Packing (W*H*D)	mm	1318×619×381	1518×619×381	1634×619×381
	Net/Gross weight	kg	40/45	50/55	55/60
Outdoor fan motor	Model		YDK130-6M-1	YDK230-6F-1	YDK230-6F-1
	Type		AC motor	AC motor	AC motor
	Brand		Weiling	Weiling	Weiling
	Input	W	205	320	320
	Capacitor	µF	6µF/450V	12µF/450V	12µF/450V
	Speed	rpm	1050	1095	1095
Outdoor coil	Number of rows		1	1	1
	Tube pitch(a)x row pitch(b)	mm	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.3	1.3	1.3
	Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	Tube outer dia.and type	mm	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube
	Coil length x height x width	mm	1404×714×13.37	2028×714×13.37	2028×798×13.37
Outdoor air flow		m ³ /h	4000	5700	7100
Outdoor noise level-sound pressure		dB(A)	63.2	63	64
Outdoor unit	Dimension (W*H*D)	mm	554×759×554	710×759×710	710×843×710
	Packing (W*H*D)	mm	582×794×582	738×796×738	738×880×738
	Net/Gross weight	kg	55/60	80/85	80/85
Refrigerant charge		g	R22/1900	R22/2300	R22/2300
Design pressure		MPa	2.6/1.0	2.6/1.0	2.6/1.0
Refrigerant pipe	Liquid side/ Gas side	mm	φ9.5/φ19	φ9.5/φ19	φ9.5/φ19
	Max.refrigerant pipe length	m	30	30	30
	Max. difference in level	m	20	20	20
Drainage pipe - inner diameter		mm	ODφ25	ODφ25	ODφ25
Operation temp		°C	17 to 30	17 to 30	17 to 30
Ambient temp		°C	Cooling: 21~43	Cooling: 21~43	Cooling: 21~43
Application area		m ²	42-70	56-93	64-107
Qty'per 20' /40' /40'HQ		Sets	48/100/117	35/73/85	32/67/78

Test condition

Cooling	Heating
Indoor 27/19°C DB/WB	Indoor 20°C DB
Outdoor 35°C DB	Outdoor 7/6°C DB/WB