

Technical specification : Floor ceiling R-410A 50Hz Rev.0

Model	York	Set	YMFFZC012BAM-AFX	YMFFZH012BAM-AFX	YMFFZC018BAM-AFX	YMFFZH018BAM-AFX	YMFFZC024BAM-AFX	YMFFZH024BAM-AFX
Power supply	V/Ph/Hz	Indoor	220-240/1/50	220-240/1.50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
		Outdoor	YMFFYCO12BAM-A-X	YMU FYH012BAM-A-X	YMFFYCO18BAM-A-X	YMU FYH018BAM-A-X	YMFFYCO24BAM-A-X	YMU FYH024BAM-A-X
Cooling	Capacity	Btu/h	12000	12000	18000	18000	24000	24000
	Capacity	kW	3.52	3.52	5.28	5.28	7.03	7.03
	Input	W	1199	1227	1908	1944	2540	2414
	Rated current	A	5.38	5.52	8.45	8.75	12.16	11.51
	EER	W/W	2.93	2.87	2.76	2.71	2.77	2.91
	Capacity	Btu/h	-	12500	-	20000	-	26000
Heating	Capacity	kW	-	3.66	-	5.86	-	7.62
	Input	W	-	1113	-	1729	-	2529
	Rated current	A	-	5.01	-	7.87	-	12.2
	COP	W/W	-	3.29	-	3.39	-	3.01
Moisture Removal	L/h	1.2	1.2	1.8	1.8	2.4	2.4	
Max. input consumption	W	1600	1740	2850	2950	3500	3450	
Max. current	A	7.5	8.5	15.0	15.0	18	18	
Starting current	A	26.7	26.7	40	36.8	66	61	
Compressor	Model		PA140G1C-4FT1	PA140G1C-4FT1	PA225M2CS-4KU2	PA225X2CS-4KU1	PA290G2CS-4MU1	PA290X3CS-4MU1
	Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Capacity	Btu/h	11601	11601	18766	18493	24771	24498
	Input	W	1155	1155	1835	1855	2430	2430
	Rated current(RLA)	A	5.37	5.37	8.5	8.7	11.65	11.4
	Locked rotor Amp(LRA)	A	26.7	26.7	40	36.8	66	61
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	µF	35µF/440-450V	35µF/440-450V	50µF/440V-450V	50µF/440V-450V	50µF/440V-450V	50µF/440V-450V
	Refrigerant oil	ml	ESTER OIL VG74 / 400	ESTER OIL VG74 / 400	ESTER OIL VG74 / 750	ESTER OIL VG74 / 750	ESTER OIL VG74 / 850	ESTER OIL VG74 / 950
	Model		YSK25-6L	YSK25-6L	YSK55-4L	YSK55-4L	YSK65-4L	YSK65-4L
Input	W	33.4/31.1/29.5	33.4/31.1/29.5	125/105/85	125/105/85	125/105/85	125/105/85	
Capacitor	µF	1.2µF/450V	1.2µF/450V	2.5µF/450V	2.5µF/450V	2.5µF/450V	2.5µF/450V	
Speed (H/M/L/Lo)	rpm	756/866/592	756/866/592	1310/1190/1040	1310/1190/1040	1310/1190/1040	1310/1190/1040	
Indoor coil	Number of rows		2	2	3	3	3	
	Tube pitch(a) x row pitch (b)	mm	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37	
	Fin spacing	mm	1.3	1.3	1.3	1.3	1.3	
	Fin material		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	Tube outer dia. and type	mm	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	
	Coil length x height x width	mm	804×252×26.74	804×252×26.74	804×252×40.11	804×252×40.11	804×252×40.11	
Indoor air flow (H/M/Lo)	Number of circuits		3	3	4	4	4	
	Indoor air flow (H/M/Lo)	m <sup>3</sup> /h	600/480/400	600/480/400	800/600/500	800/600/500	1200/900/700	1200/900/700
	Indoor noise level (H/M/Lo)	dB(A)	43/41/38	43/41/38	50/48/44	43/41/38	50/48/44	45/43/40
	Dimension (W*H*D)	mm	990×660×203	990×660×203	990×660×203	990×660×203	990×660×203	990×660×203
	Packing (W*H*D)	mm	1037×739×238	1037×739×238	1037×739×238	1037×739×238	1037×739×238	1037×739×238
	Net/Gross weight	kg	24/28.5	24/28.5	19/21	26/32	32/35	27/33
Outdoor fan motor	Model		YDK24-6F(B)	YDK24-6F(B)	YDK48-6H(A)	YDK48-6H(A)	YDK53-6C	YDK100-6D
	Input	W	63	63	110	110	136	167.2
	Capacitor	µF	2.5µF/450V	2.5µF/450V	3µF/450V	3µF/450V	3µF/450V	5µF/450V
	Speed	rpm	800	800	890	890	800	900
	Number of rows		1	1	2	2	2	2
	Tube pitch(a) x row pitch (b)	mm	21×13.37	22×19.05	19.5×11.6	21×13.37	19.5×11.6	21×13.37
Outdoor coil	Fin spacing	mm	1.4	1.4	1.2	1.4	1.2	1.4
	Fin type (code)		Unhydrophilic aluminum	Hydrophilic aluminum	Unhydrophilic aluminum	Hydrophilic aluminum	Unhydrophilic aluminum	Hydrophilic aluminum
	Tube outer dia. and type	mm	ø7 Inner grooved copper tube	ø7.94 Inner grooved copper tube	ø5 Inner grooved tube	ø7 Inner groove copper tube	ø5 Inner grooved tube	ø7 Inner groove copper tube
	Coil length x height x width	mm	755×504×13.37	737×506×19.05	652×546×23.2	658×546×26.74	782×663×23.2	785×651×26.74
	Number of circuits		2	2	2	2	2	2
	Outdoor air flow	m <sup>3</sup> /h	2100	2100	2439	2439	3200	3200
Outdoor noise level	Number of circuits		2	2	2	2	2	
	Outdoor noise level	dB(A)	43	43	58	54	59	55
	Dimension (W*H*D)	mm	780×547×250	780×547×250	762×282×593	762×282×593	842×695×324	842×695×324
Outdoor unit	Packing (W*H*D)	mm	910×575×335	910×575×335	887×355×645	887×355×645	965×755×395	965×755×395
	Net/Gross weight	kg	27.5/29.5	30/32	35.5/37.5	39/42	47.5/49.5	53/57
	Refrigerant charge	g	800	960	860	1400	1350	1900
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
	Liquid side/ Gas side	mm	ø6.4/ø12.7	ø6.4/ø12.7	ø6.4/ø12.7	ø6.4/ø12.7	ø9.5/ø15.9	ø9.5/ø15.9
Refrigerant pipe	Max. refrigerant pipe length	m	15	15	25	25	25	
	Max. difference in level	m	8	8	15	15	15	
Operation temp	°C	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	
Ambient temp	°C	Cooling: 21~43	Cooling: 21~43	Cooling: 21~43	Cooling: 21~43, Heating: 5~24	Cooling: 21~43	Cooling: 21~43, Heating: 5~24	
Application area	m <sup>2</sup>	13~21	13~21	21~35	21~35	28~47	28~47	
Qty per 20' /40' /40'HQ	Sets	78/162/190	78/162/190	72/150/176	72/150/176	59/123/144	59/123/144	

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

Model	York	Set	YMFZC030BAM-BFX	YMFZM030BAM-BFX	YMFZC030BAM-BFX	YMFZM030BAM-BFX	YMFZC030BAM-BFX	YMFZM030BAM-BFX
		Indoor	YMFZX030BAM-FX	YMFZX030BAM-FX	YMFZX030BAM-FX	YMFZX030BAM-FX	YMFZX030BAM-FX	YMFZX030BAM-FX
		Outdoor	YMUFYC030BAM-B-X	YMUFYH030BAM-B-X	YMUFYC030BAM-B-X	YMUFYH030BAM-B-X	YMUFYC030BAM-B-X	YMUFYH030BAM-B-X
Powersupply		V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	30000	30000	30000	30000	36000	36000
	Capacity	kW	8.79	8.79	8.79	8.79	10.55	10.55
	Input	W	3515	3894	3456	3777	4126	3867
	Rated current	A	16.99	18.93	6.21	6.79	19.79	18.3
	EER	W/W	2.50	2.26	2.54	2.33	2.56	2.73
Heating	Capacity	Btu/h	-	32000	-	32000	-	37000
	Capacity	kW	-	9.38	-	9.38	-	10.84
	Input	W	-	3691	-	3451	-	3808
	Rated current	A	-	17.76	-	6.24	-	17.94
	COP	W/W	-	2.54	-	2.72	-	2.85
Moisture Removal		L/h	3	3	3	3	3.6	3.6
Max. Inpit consumption		W	4800	4950	4800	4950	5400	4950
Max. crrrent		A	24.0	25.0	9.0	10.0	30.0	30.0
Starting current		A	112	112	48	48	112	112
Compressor	Model		C-SBN301H5D	C-SBN301H5D	C-SBN303H8D	C-SBN303H8D	C-SBN301H5D	C-SBN301H5D
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	31902	31902	33438	33438	31902	31902
	Input	W	3750	3750	3650	3650	3750	3750
	Rated current(RLA)	A	18.1	18.1	6.58	6.58	18.1	18.1
	Locked rotor Amp(LRA)	A	112	112	48	48	112	112
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	µF	45µF/450V/60µF/450V	60µF/450V/90µF/400V	/	/	60µF/450V/90µF/400V	60µF/450V/90µF/400V
Refrigerant oil	ml	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	
Indoor fan motor	Model		YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2
	Input	W	159/142/130	159/142/130	159/142/130	159/142/130	159/142/130	159/142/130
	Capacitor	µF	3.5µF/450V	3.5µF/450V	3.5µF/450V	3.5µF/450V	3.5µF/450V	3.5µF/450V
	Speed (Hi/Mi/Lo)	rpm	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060
Indoor coil	Number of rows		3	3	3	3	3	3
	Tube pitch(a)x row pitch (b)	mm	25.4*22	25.4*22	25.4*22	25.4*22	25.4*22	25.4*22
	Fin spacing	mm	1.7	1.7	1.7	1.7	1.7	1.7
	Fin material		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outer dia.and type	mm	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube
	Coil length x height x width	mm	1094*254*66	1094*254*66	1094*254*66	1094*254*66	1094*254*66	1094*254*66
Indoor air flow (Hi/Mi/Lo)		m <sup>3</sup> /h	1600/1200/1000	1400/1200/1000	1600/1200/1000	1400/1200/1000	1600/1200/1000	1400/1200/1000
Indoor noise level (Hi/Mi/Lo)		dB(A)	45/43/40	45/43/40	45/43/40	45/43/40	45/43/40	45/43/40
Indoor unit	Dimension (W*H*D)	mm	1280*660*203	1280*660*203	1280*660*203	1280*660*203	1280*660*203	1280*660*203
	Packing (W*H*D)	mm	1327*739*238	1327*739*238	1327*739*238	1327*739*238	1327*739*238	1327*739*238
	Net/Gross weight	kg	32/35	35/40	32/35	35/40	31/36	35/42
Outdoor fan motor	Model		YDK75-6C	YDK190-6D(B)	YDK75-6C	YDK190-6D(B)	YDK190-6D(B)	YDK190-6D(B)
	Input	W	162	290	162	290	290	290
	Capacitor	µF	5µF/450V	10µF/450V	5µF/450V	10µF/450V	10µF/450V	10µF/450V
	Speed	rpm	860	830	860	830	830	830
Outdoor coil	Number of rows		2	1.5	2	1.5	2	1.5
	Tube pitch(a)x row pitch (b)	mm	22*19.05	21*13.37	22*19.05	21*13.37	21*13.37	21*13.37
	Fin spacing	mm	1.6	1.4	1.6	1.4	1.4	1.4
	Fin type (code)		Uhydrophilic aluminum	Hydrophilic aluminum	Uhydrophilic aluminum	Hydrophilic aluminum	Uhydrophilic aluminum	Hydrophilic aluminum
	Tube outer dia.and type	mm	ø7.94 Inner grooved tube	ø7 Inner grooved copper tube	ø7.94 Inner grooved tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube
	Coil length x height x width	mm	766*792*38.1	890*903*26.74	766*792*38.1	890*903*26.74	880*903*26.74	890*903*26.74
Outdoor air flow		m <sup>3</sup> /h	5000	5000	5000	5000	5000	5000
Outdoor noise level		dB(A)	57	57	57	57	57	57
Outdoor unit	Dimension (W*H*D)	mm	895*313*862	990*354*966	895*313*862	990*354*966	990*354*966	990*354*966
	Packing (W*H*D)	mm	1043*395*915	1120*435*1100	1043*395*915	1120*435*1100	1120*435*1100	1120*435*1100
	Net/Gross weight	kg	83/86	94/98	80/83	92/96	88/94	94/98
Refrigerant charge		g	2100	2900	2200	2900	2550	2900
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant pipe	Liquid side/ Gas side	mm	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19
	Max.refrigerant pipe length	m	25	25	25	30	30	30
	Max. difference in level	m	15	15	15	15	20	20
Operation temp		°C	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30
Ambient temp		°C	Cooling: 21-43	Cooling: 21-43, Heating: -5-24	Cooling: 21-43	Cooling: 21-43, Heating: -5-24	Cooling: 21-43	Cooling: 21-43, Heating: -5-24
Application area		m <sup>2</sup>	36-60	36-60	36-60	42-70	42-70	42-70
Qty per 20' /40' /40'H Q		Sets	45/95/111	36/75/88	45/95/111	36/75/88	36/75/88	36/75/88

Model	York	Set	YMFZC036BAN-BFX	YMFZM036BAN-BFX	YMFZC046BAN-BFX	YMFZM046BAN-BFX	YMFZC060BAN-BFX	YMFZM060BAN-BFX
		Indoor	YMFZX036BAN-FX	YMFZX036BAN-FX	YMFZX046BAN-FX	YMFZX046BAN-FX	YMFZX060BAN-FX	YMFZX060BAN-FX
		Outdoor	YMU FYC036BAN-B-X	YMU FYH036BAN-B-X	YMU FYC046BAN-B-X	YMU FYH046BAN-B-X	YMU FYC060BAN-B-X	YMU FYH060BAN-B-X
Powersupply		VPh/Hz	380-415/50	380-415/50	380-415/50	380-415/50	380-415/50	380-415/50
Cooling	Capacity	Btu/h	36000	36000	48000	48000	60000	60000
	Capacity	kW	10.55	10.55	14.07	14.07	17.58	17.58
	Input	W	3716	3810	5183	4792	5657	5949
	Rated current	A	6.66	6.7	8.76	8.02	9.79	9.92
	EER	W/W	2.84	2.77	2.71	2.94	3.00	2.96
	Capacity	Btu/h	-	36500	-	50000	-	60000
Heating	Capacity	kW	-	10.70	-	14.65	-	17.58
	Input	W	-	3618	-	4880	-	5369
	Rated current	A	-	6.34	-	8.5	-	8.95
	COP	W/W	-	2.96	-	3.00	-	3.28
	Moisture Removal	L/h	3.6	3.6	4.8	4.8	6	6
	Max. Inph consumption	W	5300	4950	6100	6300	8500	7500
Max. current	A	10.0	10.0	12	10.5	13	12.8	
Starting current	A	48	48	66	66	87	67	
Compressor	Model		C-SBN303H8D	C-SBN303H8D	C-SBN373H8D	C-SBN373H8D	C-SBN453H8D	C-SBN453H8D
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	33438	33438	48109	48109	55957	55957
	Input	W	3650	3650	4750	4750	5750	5750
	Rated current(RLA)	A	6.58	6.58	8.22	8.22	9.77	9.77
	Locked rotor Amp(LRA)	A	48	48	66	66	87	67
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	µF	/	/	/	/	/	/
	Refrigerant oil	ml	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700
	Indoor fan motor	Model		YSK80-4A-2	YSK80-4A-2	(YSK59-4D-4)*2	(YSK59-4D-4)*2	(YSK59-4D-4)*2
Input	W	159/142/130	159/142/130	(102/98/96)*2	(102/98/96)*2	(102/98/96)*2	(102/98/96)*2	
Capacitor	µF	3.5µF/450V	3.5µF/450V	(2.5µF/450V)*2	(2.5µF/450V)*2	(2.5µF/450V)*2	(2.5µF/450V)*2	
Speed (Hi/Me/Lo)	rpm	1290/1170/1060	1290/1170/1060	1230/1130/1070	1230/1130/1070	1230/1130/1070	1230/1130/1070	
Indoor coil	Number of rows		3	3	3	3	3	3
	Tube pitch(a)x row pitch (b)	mm	25.4*22	25.4*22	25.4*22	25.4*22	25.4*22	25.4*22
	Fin spacing	mm	1.7	1.7	1.7	1.7	1.7	1.7
	Fin material		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outer dia.and type	mm	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube	ø9.5 Inner grooved copper tube
	Coil length x height x width	mm	1094*254*66	1094*254*66	1360*254*66	1360*254*66	1360*254*66	1360*254*66
	Number of circuits		5	5	5	5	5	5
Indoor air flow (Hi/Me/Lo)	m <sup>3</sup> /h	1600/1200/1000	1400/1200/1000	2000/1800/1600	2000/1800/1600	2000/1800/1600	2000/1800/1600	
Indoor noise level (Hi/Me/Lo)	dB(A)	45/43/40	45/43/40	47/46/44	50/47/45	47/46/44	50/49/47	
Indoor unit	Dimension (W*H*D)	mm	1280*660*203	1280*660*203	1670*680*240	1670*680*240	1670*680*240	1670*680*240
	Packing (W*H*D)	mm	1327*739*238	1327*739*238	1715*760*273	1715*760*273	1715*760*273	1715*760*273
	Net/Gross weight	kg	31/36	35/40	45/51	50/58	45/51.5	52/59
	Model		YDK190-6D(B)	YDK190-6D(B)	YDK65-6(B)*YDK65-6F(B)	YDK65-6(B)*YDK65-6F(B)	YDK65-6(B)*YDK65-6F(B)	YDK65-6(B)*YDK65-6F(B)
Outdoor fan motor	Input	W	290	290	162*162	162*162	162*162	162*162
	Capacitor	µF	10µF/450V	10µF/450V	(3.5µF/450V)*2	(3.5µF/450V)*2	(3.5µF/450V)*2	(3.5µF/450V)*2
	Speed	rpm	830	830	765	765	765	765
	Number of rows		2	1.5	2	2	2	2
Outdoor coil	Tube pitch(a)x row pitch (b)	mm	21*13.37	21*13.37	21*13.37	21*13.37	22*19.05	22*19.05
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.6	1.6
	Fin type (code)		Uhydrophilic aluminum	Hydrophilic aluminum	Uhydrophilic aluminum	Hydrophilic aluminum	Uhydrophilic aluminum	Hydrophilic aluminum
	Tube outer dia.and type	mm	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7 Inner grooved copper tube	ø7.94 Inner grooved copper tube	ø7.94 Inner grooved copper tube
	Coil length x height x width	mm	890*903*26.74	890*903*26.74	840*1113*26.74	840*1113*26.74	837*1100*38.1	837*1100*38.1
	Number of circuits		7	7	8	4	8	8
	Outdoor air flow	m <sup>3</sup> /h	5000	5000	6800	6800	6850	6850
Outdoor noise level	dB(A)	57	57	59	59	59.3	59.3	
Outdoor unit	Dimension (W*H*D)	mm	990*354*966	990*354*966	900*340*1167	900*340*1167	900*340*1167	900*340*1167
	Packing (W*H*D)	mm	1120*435*1100	1120*435*1100	1032*443*1307	1032*443*1307	1032*443*1307	1032*443*1307
	Net/Gross weight	kg	90/94	92/96	99/105	110/115	103/107	106/111
Refrigerant charge	g	2500	2900	3000	3250	3050	3200	
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant pipe	Liquid side/ Gas side	mm	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19	ø9.5/ø19
	Max.refrigerant pipe length	m	30	30	50	50	50	50
	Max. difference in level	m	20	20	25	25	25	25
Operation temp	°C	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	
Ambient temp	°C	Cooling: 21-43	Cooling: 21-43, Heating: -5-24	Cooling: 21-43	Cooling: 21-43, Heating: -5-24	Cooling: 21-43	Cooling: 21-43, Heating: -5-24	Cooling: 21-43, Heating: -5-24
Application area	m <sup>2</sup>	42-70	42-70	56-93	56-93	64-107	64-107	
Qty per 20' /40' /40HQ	Sets	36/75/88	36/75/88	29/60/71	29/60/71	29/60/71	29/60/71	