

Technical specification : High static pressure duct R-410A 50Hz Rev.0

Model	York	Set	YM GFZC024BAM-AGX	YMGFZ1024BAM-AGX	YMGFZC030BAM-BOX	YMGFZH030BAM-BOX	YMGFZC030BAM-BOX	YMGFZH030BAM-BOX	YMGFZC030BAM-BOX	YMGFZH030BAM-BOX	
Indoor	Indoor	Indoor	YMGFX024BAM-GX	YMGFXH024BAM-GX	YMGFXC030BAM-GX	YMGFXH030BAM-GX	YMGFXC030BAM-GX	YMGFXH030BAM-GX	YMGFXC030BAM-GX	YMGFXH030BAM-GX	
Outdoor	Outdoor	Outdoor	YMUJFYC024BAM-A-X	YMUJFYH024BAM-A-X	YMUJFYC030BAM-B-X	YMUJFYH030BAM-B-X	YMUJFYC030BAM-B-X	YMUJFYH030BAM-B-X	YMUJFYC030BAM-B-X	YMUJFYH030BAM-B-X	
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Cooling	Capacity	Btu/h	24000	24000	30000	30000	30000	30000	30000	36000	
	Capacity	kW	7.03	7.03	8.79	8.79	8.79	8.79	8.79	10.55	
	Input	W	2825	2843	4330	3569	4201	3619	4471	4811	
	Rated current	A	13.27	11.87	20.52	16.90	17.27	16.34	20.94	22.84	
	EER	W/W	2.49	2.77	2.03	2.46	2.09	2.43	2.36	2.36	
Heating	Capacity	Btu/h	-	25000	-	32000	-	32000	-	32000	
	Capacity	kW	-	7.33	-	9.38	-	9.38	-	9.38	
	Input	W	-	2379	-	3892	-	3812	-	3812	
	Rated current	A	-	11.39	-	18.79	-	16.53	-	16.53	
Moisture Removal	CDP	W/W	-	3.08	-	2.41	-	2.60	-	2.60	
	L/H		2.4	2.4	3	3	3	3	3	3.6	
	Max. input consumption	W	3500	3450	4800	4950	4800	4950	4800	5400	
Max. current	A	18	18	24.0	25.0	9.0	10.0	10.0	30.0		
Starting current	A	66	61	112	112	48	48	48	112		
Compressor	Model		PA2902CS-4MU1	PA290X3CS-4MU1	C-SBN30HSD	C-SBN30HSD	C-SBN303HSD	C-SBN303HSD	C-SBN303HSD	C-SBN303HSD	
	Type		Rdary	Rdary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
	Capacity	Btu/h	24771	24498	31902	31902	33458	33458	31902	31902	
	Input	W	2430	2490	3750	3750	3650	3650	3750	3750	
	Rated current (RLA)	A	11.65	11.4	16.1	16.1	15.1	15.1	16.1	16.1	
	Locked rotor Amp (LRA)	A	69	61	112	112	48	48	112	112	
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	
	Capacitor	µF	50µF/440V-450V	50µF/440V-450V	45µF/450V/80µF/450V	60µF/450V/90µF/400V	-	-	60µF/450V/90µF/400V	-	-
	Compressor oil	ml	ESTER OIL VG74 / 850	ESTER OIL VG74 / 850	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	
	Indoor fan motor	Model		YDK100-4X-1	YDK100-4X-1	YDK160-4C-1	YDK160-4C-1	YDK160-4C-1	YDK160-4C-1	YDK200-4F	
Type		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	AC motor		
Input	W	240220/205/190	240220/205/190	375/352/331/310	375/352/331/310	375/352/331/310	375/352/331/310	375/352/331/310	500/460/400/345		
Capacitor	µF	12µF/450V	12µF/450V	10µF/450V	10µF/450V	10µF/450V	10µF/450V	10µF/450V	15µF/370-450V		
Speed (Hi/Mi/Lo)	rpm	990/940/900/870	990/940/900/870	1335/1201/1235/1170	1335/1201/1235/1170	1335/1290/1235/1170	1335/1290/1235/1170	1335/1290/1235/1170	1060/960/900/820		
Indoor coil	Number of rows		3	2	3	3	3	3	3	3	
	Tube pitch (ax/row pitch)	mm	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	
	Fin spacing	mm	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	
	Fin material		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	
	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	ø9.5 Inner grooved Copper tube	ø9.5 Inner grooved Copper tube	
Coil length x height x width	mm	700x356x66	700x356x44	700x356x66	700x356x66	700x356x66	700x356x66	700x356x66	700x356x66		
Number of circuits		7	3	7	7	7	7	7	7		
Indoor air flow (Hi/Mi/Lo)	m ³ /h	1800/1670/1450	1800/1670/1450	2200/2000/1700	2400/2200/2000	2200/2000/1700	2400/2200/2000	2400/2200/2000	2400/2200/2000		
External static pressure (Min/Tes/Max)	Pa	100	100	100	100	100	100	150	150		
Indoor noise level - sound pressure (Hi/Mi/Lo)	dB(A)	46/45/44	46/45/44	54/50/48	56/54/50	54/50/48	56/54/50	56/54/50	56/54/50		
Indoor unit	Dimension (W'D'H)	mm	856x691x400	856x691x400	856x691x400	856x691x400	856x691x400	856x691x400	856x691x400	856x691x400	
	Packing (W'D'H)	mm	1090x768x440	1090x768x440	1090x768x440	1090x768x440	1090x768x440	1090x768x440	1090x768x440	1090x768x440	
	Net Gross weight	kg	32/35	41/47	32/35	47/53	32/35	47/53	32/35	47/56	
Outdoor fan motor	Model		YDKS5-8C	YDK100-6D	YDK75-8C	YDK160-8D(B)	YDK75-8C	YDK100-6D(B)	YDK160-8D(B)	YDK160-8D(B)	
	Type		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	
	Input	W	136	167.2	162	290	162	290	290	290	
	Capacitor	µF	3µF/450V	5µF/450V	5µF/450V	10µF/450V	5µF/450V	10µF/450V	10µF/450V	10µF/450V	
	Speed	rpm	800	900	880	830	830	830	830	830	
Outdoor coil	Number of rows		2	2	2	1.5	2	1.5	2	2	
	Tube pitch (ax/row pitch)	mm	16.5x11.6	21x13.37	22x19.05	21x13.37	22x19.05	21x13.37	21x13.37	21x13.37	
	Fin spacing	mm	1.2	1.4	1.6	1.4	1.6	1.4	1.4	1.4	
	Fin type (code)		Unhydrophilic aluminium	Hydrophilic aluminium	Unhydrophilic aluminium	Hydrophilic aluminium	Unhydrophilic aluminium	Hydrophilic aluminium	Unhydrophilic aluminium	Hydrophilic aluminium	
	Tube outer dia. and type	mm	ø5 Inner grooved tube	ø7 Inner groove copper tube	ø7.84 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	782x663x23	785x651x26.74	766x792x38.1	890x903x26.74	766x792x38.1	890x903x26.74	890x903x26.74	890x903x26.74		
Number of circuits		2	2	6	7	6	7	7	7		
Outdoor air flow	m ³ /h	3200	3200	5000	5000	5000	5000	5000	5000		
Outdoor noise level-sound pressure	dB(A)	59	55	57	57	57	57	57	57		
Outdoor unit	Dimension (W'H'D)	mm	842x895x324	842x895x324	895x313x862	990x354x966	895x313x862	990x354x966	990x354x966	990x354x966	
	Packing (W'H'D)	mm	965x755x395	965x755x395	1043x395x915	1120x435x1100	1043x395x915	1120x435x1100	1120x435x1100	1120x435x1100	
	Net Gross weight	kg	47.5/49.5	53/57	83/86	94/98	80/83	92/96	80/83	92/96	
Refrigerant charge	g	1350	1900	2100	2900	2200	2900	2200	2550		
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	4.2/1.5	4.2/1.5		
Refrigerant pipe	Liquid side/ Gas side	mm	ø9.5/ø15.9	ø9.5/ø15.9	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	25	25	25	25	25	
	Max. difference in level	mm	15	15	15	15	15	15	15	20	
Drainage pipe - inner diameter	mm	ODø25	ODø25	ODø25	ODø25	ODø25	ODø25	ODø25	ODø25		
Operation temp	°C	17 to 30	17 to 30	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	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	
Application area	m ²	26~47	26~47	36~60	36~60	36~60	36~60	36~60	42~70		
Qty per 20' 40' 40HQ	Sets	42/8/103	42/8/103	37/77/91	30/64/75	37/77/91	30/64/75	37/77/91	30/64/75		

Test condition	
Cooling	Heating
Indoor 27.19°C DB/Wb	Indoor 20°C DB
Outdoor 35°C DB	Outdoor 7.8°C DB/Wb

Model	York	Set	YMGF210368BAH-BGX	YMGF20368BAH-BGX	YMGF210368BAH-BGX	YMGF20488BAH-BGX	YMGF210488BAH-BGX	YMGF20688BAH-BGX	YMGF210688BAH-BGX
Model	York	Indoor	YMGF210368BAH-GX	YMGF20368BAH-GX	YMGF210368BAH-GX	YMGF20488BAH-GX	YMGF210488BAH-GX	YMGF20688BAH-GX	YMGF210688BAH-GX
Model	York	Outdoor	YMUFYH0368BAH-B-X	YMUFY0368BAH-B-X	YMUFYH0368BAH-B-X	YMUFY0488BAH-B-X	YMUFYH0488BAH-B-X	YMUFY0688BAH-B-X	YMUFYH0688BAH-B-X
Power supply		V/Ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling	Capacity	Btu/h	36000	36000	36000	48000	48000	60000	60000
	Capacity	kW	10.55	10.55	10.55	14.07	14.07	17.58	17.58
	Input	W	3787	4210	3751	5651	4645	6911	6034
	Rated current	A	17.76	7.24	6.39	9.4	7.74	11.16	9.74
	EER	W/W	2.79	2.51	2.81	2.49	3.03	2.54	2.91
Heating	Capacity	Btu/h	38000	-	38000	-	49000	-	60000
	Capacity	kW	11.14	-	11.14	-	14.36	-	17.58
	Input	W	3723	-	3490	-	4538	-	5477
	Rated current	A	17.67	-	6.2	-	7.56	-	9.17
	COP	W/W	2.99	-	3.19	-	3.16	-	3.21
Moisture Removal		L/h	3.6	3.6	3.6	4.8	4.8	6	6
Max. input consumption		W	4950	5300	4950	6100	6300	8500	7500
Max. current		A	30.0	10.0	10.0	12	10.5	13	12.6
Starting current		A	112	48	48	66	66	67	67
Compressor	Model		C-SBN301HSD	C-SBN303HSD	C-SBN303HSD	C-SBN373HSD	C-SBN373HSD	C-SBN453HSD	C-SBN453HSD
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	31902	33438	33438	48109	48109	55957	55957
	Input	W	3750	3650	3650	4750	4750	5750	5750
	Rated current (RLA)	A	18.1	6.58	6.58	9.22	8.22	9.77	9.77
	Locked rotor Amp (LRA)	A	112	48	48	66	66	67	67
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	µF	60µF/450V/90µF/400V	/	/	/	/	/	/
	Compressor oil	ml	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700
	Model		YDK200-4F	YDK200-4F	YDK200-4F	YSK300-4C	YDK360-4F	YSK400-4C	YSK400-4C
Type		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	
Input	W	500/460/400/345	500/460/400/345	500/460/400/345	650/520/415/350	630/570/500/435	930/740/660/592	930/740/660/592	
Capacitor	µF	15µF/370-450V	15µF/370-450V	15µF/370-450V	12µF/450V	15µF/370-450V	15µF/370-450V	15µF/370-450V	
Speed (Hi/Me/Lo)	rpm	1060/960/820	1060/960/820	1060/960/820	885/775/680/616	1210/1135/1040/960	1080/920/850/790	1080/920/850/790	
Number of rows		3	3	3	3	4	3	3	
Tube pitch (ax row pitch)	mm	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	25.4x22	
Fin spacing	mm	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
Fin material		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
Tube outer dia. and type	mm	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	φ9.5 inner grooved copper tube	
Coil length x height x width	mm	700x356x66	700x356x66	700x356x66	996x356x66	700x356x66	996x356x66	996x356x66	
Number of circuits		7	7	7	7	7	7	7	
Indoor air flow (Hi/Me/Lo)	m³/h	2400/2200/2000	2400/2200/2000	2400/2200/2000	3900/3700/3000	3900/3700/3000	4000/3750/3100	4000/3750/3100	
External static pressure (Min/Fes/Max)	Pa	150	150	150	160	160	160	160	
Indoor noise level - sound pressure (Hi/Me/Lo)	dB(A)	56.5/50	56.5/50	56.5/50	58/56/51	58/56/51	57.5/50	57.5/50	
Indoor unit	Dimension (W*D*H)	mm	850x691x400	856x691x400	856x691x400	1200x691x400	856x691x400	1200x691x400	1200x691x400
	Packing (W*D*H)	mm	1090x768x440	1090x768x440	1090x768x440	1436x768x440	1090x768x440	1436x768x440	1436x768x440
	Net/Gross weight	kg	47/53.5	47/56	47/53.5	65/72	52/57	67/75	67/75
Outdoor fan motor	Model		YDK190-6D(B)	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)
	Type		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor	
	Input	W	290	290	290	162x162	162x162	162x162	162x162
	Capacitor	µF	10µF/450V	10µF/450V	10µF/450V	(3.5µF/450V)x2	(3.5µF/450V)x2	(3.5µF/450V)x2	(3.5µF/450V)x2
	Speed	rpm	830	830	830	765	765	765	765
Number of rows		1.5	2	1.5	2	2	2	2	
Tube pitch (ax row pitch)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37	22x19.05	22x19.05	
Fin spacing	mm	1.4	1.4	1.4	1.4	1.4	1.6	1.6	
Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
Tube outer dia. and type	mm	φ7 inner grooved copper tube	φ7 inner grooved copper tube	φ7 inner grooved copper tube	φ7 inner grooved copper tube	φ7 inner grooved copper tube	φ7.94 inner grooved copper tube	φ7.94 inner grooved copper tube	
Coil length x height x width	mm	890x903x26.74	890x903x26.74	890x903x26.74	840x1113x26.74	840x1113x26.74	837x1100x38.1	837x1100x38.1	
Number of circuits		7	7	7	8	4	8	8	
Outdoor air flow	m³/h	5000	5000	5000	6800	6800	6850	6850	
Outdoor noise level-sound pressure	dB(A)	57	57	57	59	59	59.3	59.3	
Outdoor unit	Dimension (W*H*D)	mm	990x354x966	990x354x966	990x354x966	900x340x1167	900x340x1167	900x340x1167	900x340x1167
	Packing (W*H*D)	mm	1120x425x1100	1120x425x1100	1120x425x1100	1032x443x1307	1032x443x1307	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	94/96	90/94	92/96	99/105	110/115	103/107	106/111
Refrigerant charge	g	2900	2900	2900	3000	3000	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	4.2/1.5	
Refrigerant pipe	Liquid side/ Gas side	mm	φ9.5/19	φ9.5/19	φ9.5/19	φ9.5/19	φ9.5/19	φ9.5/19	φ9.5/19
	Max.refrigerant pipe length	m	30	30	30	50	50	50	50
	Max. difference in level	m	20	20	20	25	25	25	25
Drainage pipe - inner diameter	mm	ODφ25	ODφ25	ODφ25	ODφ25	ODφ25	ODφ25	ODφ25	
Operation temp	°C	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	
Ambient temp	°C	Cooling: 11~43, Heating: -5~24	Cooling: 11~43	Cooling: 11~43	Cooling: 11~43, Heating: -5~24	Cooling: 11~43	Cooling: 11~43, Heating: -5~24	Cooling: 11~43	Cooling: 11~43, Heating: -5~24
Application area	m²	42~70	42~70	42~70	56~93	56~93	64~107	64~107	
Qty/per 20' /40' /40HQ	Sets	30/64/75	30/64/75	30/64/75	25/53/62	25/53/62	28/60/70	25/53/62	