



GRANDE US DUCT 60HZ R-410A
YSFE (36-60) BNTMAMO (S)-X

Indoor Unit

- Auto Random Restart
- Low noise
- Washable air filter
- 24V low voltage control
- Easy maintenance
- Wireless controller (Optional)

Condensing Unit

- Compact size
- High efficiency compressor
- Low noise
- Valve protection



The YORK® line of AHU Air conditioners includes a wide range of sizes to give you more flexibility in your product offering. Each model is designed to provide comfort and efficiency, in an easy-to-operate unit and the sleek design fits a variety of spaces, whether it's in a home or office. Models meet the highest energy efficiency ratings, so less energy is consumed without sacrificing comfort and performance. Both the condensing and indoor units are engineered for quiet operation.

Features and benefits



Self Diagnosis

Clearly displayed failure codes allow for quicker troubleshooting and easier maintenance.



Washable Filter

Washable filter allows for convenient service and maintenance.



24-Hour Timer

Allows programmed start times up to 24 hours in advance for flexible and more convenient operation.



3-Minute Protection

A 3-minute delay before the compressor will restart helps avoid compressor damage and work time.



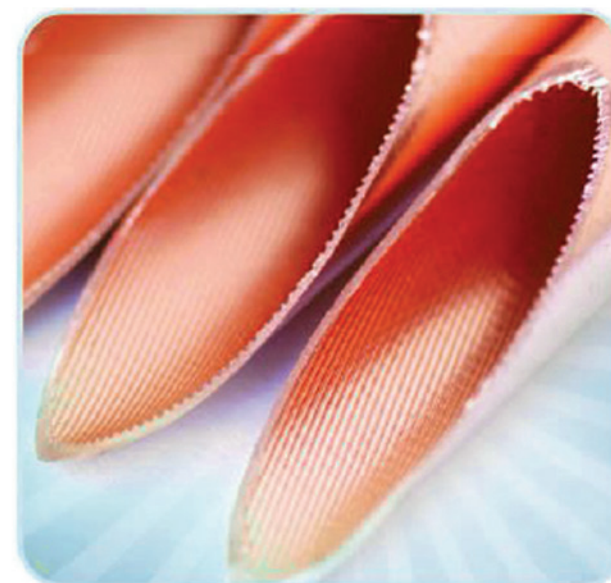
Auto Restart

Unit is automatically returned to previous operating conditions after a power outage, for simplified operation.



Multi-Speed Fan

Multi-speed fan helps satisfy various airflow requirements.



Inner Groove Copper Tube

Inner groove copper tubing allows more refrigerant to pass through, improving heat exchange by 30 to 50% when compared to traditional copper tubing, and lowering power consumption while keeping output capacity at the same level.

Specification

York Set Model Number		YSFE36BNTMAMO-X	YSFE36BNVMAMO-X	YSFE48BNTMAMS-X	YSFE48BNVMAMS-X	YSFE60BNTMAMS-X	YSFE60BNVMAMS-X
York Indoor Model Number		YSFE36BVTMAM--X	YSFE36BVTMAM--X	YSFE48BVTMAM--X	YSFE48BVTMAM--X	YSFE60BVTMAM--X	YSFE60BVTMAM--X
York Outdoor Model Number		YVFE36BMTMAMO-X	YVFE36BMVMAMO-X	YVFE48BMTMAMS-X	YVFE48BMVMAMS-X	YVFE60BMTMAMS-X	YVFE60BMVMAMS-X
Outdoor Power Supply	V-Ph-Hz	220-230V,1Ph,60Hz	220-230V,3Ph,60Hz	220-230V,1Ph,60Hz	220-230V,3Ph,60Hz	220-230V,1Ph,60Hz	220-230V,3Ph,60Hz
Indoor Power supply	V-Ph-Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Max. input consumption	W	5400	5000	6500	6250	7625	7700
Max. current	A	25.5	15.0	30.7	18.1	34.6	23.4
Cooling (T1)	Capacity	Btu/h	36000	36000	48000	48000	60000
	Input	W	3967	3967	5410	5410	6760
	EER	W/W	2.66	2.66	2.60	2.60	2.60
Indoor fan motor	Qty		1	1	1	1	1
	Input	W	420.0	420.0	515/-/450	515/-/450	660
	Capacitor	µF	15	15	12UF/450V	12UF/450V	12
	Speed(Hi/Mi/Lo)	r/min	1100/980	1100/980	830/-/765	830/-/765	985/760
Indoor air flow (Hi/Mi/Lo)	m³/h	1648.00	1648.00	2182.00	2182.00	2300.00	2300.00
ESP	Rated	Pa	37	37	50	50	50
	Range	Pa	0-140	0-140	0-180	0-180	0-180
Sound level (sound pressure)	dB(A)	51.9/0/0	51.9/0/0	54.00	54.00	54.5/0/0	54.5/0/0
Throttle type		Throttle valve	Throttle valve	Throttle valve	Throttle valve	Throttle valve	Throttle valve
Indoor unit	Dimension(WxDxH)	mm	520x460x774	520x460x774	500x550x970	500x550x970	500x550x970
	Packing (WxDxH)	mm	835x520x565	835x520x565	560x595x1030	560x595x1030	1030x560x595
	Net/Gross weight	Kg	38.2/41.7	38.2/41.7	48/52	51/55	51/55
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
Drainage water pipe dia.	mm	ODØ25mm	ODØ25mm	ODØ25mm	ODØ25mm	ODØ25mm	ODØ25mm
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")
Operation temperature	°C	17-30	17-30	17-30	17-30	17-30	17-30
Room temperature	Cooling	°C	17~32	17~32	17~32	17~32	17~32
Qty'per 20' /40' /40'HQ	Indoor unit		88/184/275	88/184/275	80/164/164	80/164/164	80/164/164
Compressor	Type		ROTARY	ROTARY	SCROLL	SCROLL	SCROLL
	Capacity	W	10450	10350	14300	14400	16100
	Input	W	3480	3400	4540	4537	5500
	Rated current(RLA)	A	17.0	10.9	25.1	18.7	18
	Locked rotor Amp(LRA)	A	89	81	138.0	136.8	153.0
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	µF	80.0	/	80.0	/	60.0
Outdoor fan motor	Refrigerant oil/oil charge	ml	α 68HES-H or equivalent/880ml	α 68HES-H or equivalent/880ml	3MAF POE/1242	3MAF POE/1242	FV68S or Equivalent/1400
	Qty		1	1	1	1	1
	Input	W	300.0	300.0	318.0	318.0	300.0
	Capacitor	µF	6	6	12	12	/
	Speed	r/min	1100	1100	1095	1095	1095
Outdoor air flow			4500	4500	7400	7400	6500
Outdoor noise level	dB(A)		65.5	65.5	64.7	59.6	64.4
Outdoor unit	Dimension(W*D*H)	mm	600x600x759	600x600x759	710x710x759	710x710x759	710x710x843
	Packing (W*D*H)	mm	628x628x794	628x628x794	738x738x794	738x738x794	738x738x872
	Net/Gross weight	Kg	57.8/61.4	56.8/60.6	71.8/76.1	69.7/74	80/85
Refrigerant type	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	Kg	1.9	1.9	2.2	2.3	2.2
Design pressure	MPa		4.2/1.5	4.2/1.5	4.2/1.5	4.8/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")
	Max. refrigerant pipe length	m	30	30	50	50	50
	Max. difference in level	m	20	20	30	30	30
Room temperature	Cooling	°C	18~43	18~43	18~43	18~43	18~43
Qty'per 20' /40' /40'HQ	Outdoor unit		54/114/171	54/114/171	42/96/144	42/96/144	42/96/142

Nominal testing conditions:

Cooling-Indoor 80.06°F DB/66.92°F WB(26.70°C DB/19.40°C WB) & outdoor 95°F DB/75.02°F WB (35.00°C DB/23.90°C WB)
Heating-Indoor 69.98°F DB/60.08°F WB(21.10°C DB/15.60 °C WB) & outdoor 46.94°F DB/42.98°F WB (8.30°C DB/6.10°C WB)

