

TUMY-P\*\*AK42NA and H2i®

Model Name		TUMYP0361AK42(NA/BA)	TUMYP0481AK42(NA/BA)	TUMYP0601AK42(NA/BA)	TUMYH0361AK40NA	TUMYH0481AK40NA	
Power Source		208/230V, 1-Phase, 60Hz					
Capacity *1	Cooling	Btu/h	36,000	48,000	60,000	36,000	48,000
	Heating	Btu/h	42,000	54,000	66,000	42,000	54,000
Electrical Supply	MCA	A	29		36	36	
	Maximum Overcurrent Protection (MOP)	A	44		45	44	
Recommended Fuse Size	A	30		40			
Short-circuit Current Rating (SCCR)	kA	5					
Fan	Type x Quantity		Propeller Fan x 2				
	Airflow Rate	CFM	3,885		4,879	3,885	
	Motor Output	kW	2.8	3.3	3.9	2.8	3.4
Compressor	Type		INVERTER-driven Scroll Hermetic				
	Operating Range	Cooling	29% to 100%	23% to 100%	28% to 100%	29% to 100%	23% to 100%
		Heating	24% to 100%	18% to 100%	18% to 100%	17% to 100%	16% to 100%
	Motor Output	kW	0.074 + 0.074 (two fan motors)		0.2 + 0.2 (two fan motors)	0.074 + 0.074 (two fan motors)	
	Lubricant		FV50S (2.3 liters)		FVC68D (2.3 liters)	FV50S (2.3 liters)	
Refrigerant		R410A					
External Finish		Galvanized Sheets (plus Powder Coating for -BS Model) Munsell 3Y 7.8/1.1					
Dimensions	Height	In.	52-11/16				
	Width	In.	41-11/32				
	Depth	In.	13 (+1)				
Net Weight	Pounds	267	295	267	267	267	
Sound Pressure Levels (As Measured in an Anechoic Room)	dB(A)	49/53	51/54	58/59	49/53	51/54	
Protection Devices	High Pressure Protection		High Pressure Switch				
	Compressor		Discharge thermo protection, Over-current protection				
	Inverter Circuit		Over-heat protection, Over-current protection				
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Flare)	In.	3/8				
	Gas (Low Pressure) (Flare)	In.	5/8	3/4	5/8	5/8	
Indoor Unit	Total Capacity		50 130% of Outdoor Unit Capacity				
	Quantity		P05-P36 / 1-9	P05-P54 / 1-12	P05-P72 / 1-12	P05-P36 / 1-9	P05-P54 / 1-12
Operating Temperature Range	Cooling		Outdoor: 5° to 115° F D.B. *3 *4				
	Heating		Outdoor: -13° to +59° F W.B.				
<b>Efficiency Ratings *2</b>							
EER (Ducted/Non-Ducted) *2		12.6 / 15.0	11.3 / 13.1	11.1 / 13.3	12.6 / 15.0	11.3 / 13.1	
SEER (Ducted/Non-Ducted) *2		18.3 / 22.3	16.5 / 22.6	17.8 / 20.0	18.3 / 22.3	16.5 / 22.6	
COP (Ducted/Non-Ducted) *2		3.7 / 4.0	3.3 / 4.0	3.7 / 4.1	3.7 / 4.0	3.3 / 4.0	
HSPF (Ducted/Non-Ducted) *2		11.2 / 12.0	11.0 / 12.0	10.7 / 12.0	11.7 / 12.0	11.0 / 12.0	

Notes:  
 \*1 Rating Conditions:  
 Cooling | Indoor: 80° F (26.7° C) DB/67° F (19.4° C) WB; Outdoor: 95° F (35° C) DB.  
 Heating | Indoor: 70° F (21.1° C) DB; Outdoor: 47° F (8.3° C) DB/43° F (6.1° C) WB.  
 \*2 Efficiencies values based in AHRI 210/240 test method.  
 \*3 When using Wind Baffles (WB-PA3), the minimum operating range is 5° F. Without Wind Baffles, the minimum operating range is 23° F.  
 \*4 When connecting TPKFY-P006BM/P008HM, TPFY-P006/008/012CS140A or TPFY-P006/008/012RE indoor units, the minimum operating range is 50° F.  
 LIMITED WARRANTY | Seven-year warranty on compressor. One-year warranty on parts. See our website for details on specific additional application installation coverage.  
 Specifications are subject to change.

TUMY H2i®

The S-Series (TUMY) outdoor unit lineup has expanded to include Hyper-Heating INVERTER® (H2i®) technology. Part of the CITY MULTI® family, the TUMY is a single-phase heat pump ideal for light commercial and large residential applications including banks, churches, schools, retail centers and more.



- ▶ 100% heating capacity at 5° F
- ▶ 78% heating capacity down to -13° F utilizing flash injection technology
- ▶ ENERGY STAR® certified units
- ▶ Base pan heater standard
- ▶ Available in 36,000 and 48,000 Btu/h capacities

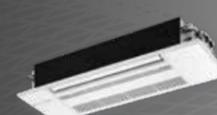


S-SERIES (TUMY)

WHATEVER THE SIZE OR SHAPE OF YOUR ROOM, THERE'S A INDOOR UNIT THAT IS JUST RIGHT FOR YOU.



**4-WAY CEILING CASSETTE**  
 Discreet units provide superior airflow from four vanes



**1-WAY CEILING CASSETTE**  
 Extremely quiet cassette that moves air in one direction



**WALL-MOUNTED**  
 Sleek units provide accurate temperature control and filtration



**CEILING CONCEALED**  
 High performance, extremely quiet, ducted units



**FLOOR-MOUNTED**  
 Unobtrusive units come in two styles: exposed or concealed



**MULTI-POSITION AIR HANDLER**  
 Provides complete design flexibility to help regulate and circulate air

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 Specifications shown in this brochure are subject to change without notice. See complete warranty for terms, conditions and limitations. A copy is available from Mitsubishi Electric Trane HVAC US LLC.

# CITYMULTI®

## S-SERIES (TUMY AND TUMY H2i®)

S-Series (TUMY) systems are single-phase outdoor units with Variable Refrigerant Flow Zoning (VRF) technology, offering an ideal fit for light commercial applications. Featuring best-in-class efficiency ratings and ENERGY STAR® certified units, TUMY systems are designed to deliver operational cost-savings and long-term performance to building owners. The systems use an integrated controls network, and cool or heat up to 12 individual zones with a variety of indoor unit styles.

The addition of H2i® technology – now available in TUMY 36,000 and 48,000 Btu/h capacities – allows the units to provide year-round comfort in cold climates and extreme temperatures.



### WHY CHOOSE CITY MULTI® S-SERIES (TUMY) FROM TRANE® / MITSUBISHI ELECTRIC

#### FEATURES AND BENEFITS:

- ▶ Systems available from 36,000-60,000 Btu/h (AK42NA models)
- ▶ Reduced breaker size on 36,000 and 48,000 Btu/h (AK42NA models)
- ▶ ENERGY STAR® certified units
- ▶ SEER rating improvement of 8%\*
- ▶ HSPF rating improvement of 3%\*
- ▶ Extended heating operation range down to -13° F
- ▶ Extended cooling operation range down to 5° F
- ▶ Vertical piping distance of up to 131' (outdoor unit lower than indoor units)
- ▶ Vertical separation between indoor units up to 49'

*\*Average vs. Previous Generation models*



### MANAGE YOUR COMFORT

User-friendly and efficient zone control is provided through a variety of controller options. These controllers can be located either in the space being served or remotely in another room. The controls allow you to implement many energy-saving features including: weekly scheduling, temperature range limits, auto-off, fault code notification, and service call number display.



kumo cloud

Control your system remotely via the Internet from any smart device using kumo cloud® or other third-party home automation systems.

- ▶ Mobile-app based controller
- ▶ Control multiple indoor units at multiple sites
- ▶ Modern interface with advanced functions like scheduling and batch commands
- ▶ Wireless connection through a local wireless network and kumo station® option for secondary heat and humidity controls



Touch MA

- ▶ Standard wall-mounted controller with basic On/Off and operation mode switching functions
- ▶ Additional basic settings include: room temperature, fan speed, vane and airflow direction
- ▶ Personalize the display background with one of the 180 available colors
- ▶ Customize the screen with a company logo