

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. | | | | |
| Efficiency Ratings *2 | | | | | | | |
| 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.

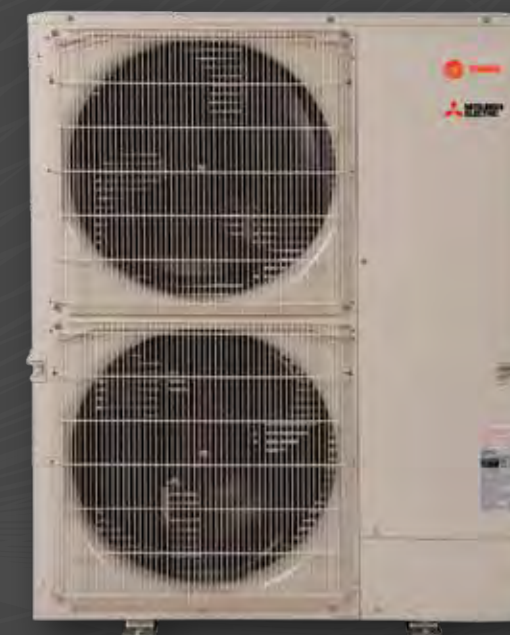
LIMITED WARRANTY | Seven-year warranty on compressor. One-year warranty on parts. See our website for details on specific additional application installation coverage. Specifications are subject to change.

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.

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TRANE.COM/DUCTLESS

CITYMULTI®

LIGHT COMMERCIAL APPLICATIONS

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:

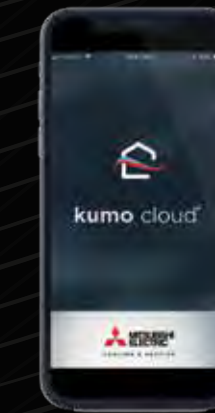
- ▶ Systems available from 36,000-60,000 Btu/h (AK42NA models)
- ▶ Reduced breaker size on 36,000 and 48,000 Btu/h (AK42NA models)
- ▶ ENERGY STAR® certified units
- ▶ SEER rating improvement of 8%*
- ▶ HSPF rating improvement of 3%*
- ▶ Extended heating operation range down to -13° F
- ▶ Extended cooling 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

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