

[Mitsubishi Electric PUHY-P250YKH-TH](#)

Category: Refrigeration

written by www.mbsmpro.com | January 6, 2026



Focus Keyphrase

Mitsubishi Electric PUHY-P250YKH-TH City Multi VRF outdoor unit specs HP TH series cooling heating

SEO Title

Mbsmpro.com, Mitsubishi PUHY-P250YKH-TH, 25HP, City Multi VRF, R410A, 25.0kW Heating, 22.4kW Cooling, 400V 3Ph 50Hz

Meta Description

Discover the **Mitsubishi Electric PUHY-P250YKH-TH** outdoor unit for City Multi VRF systems. Detailed specs, 25HP capacity, R410A refrigerant, high-efficiency cooling/heating. Compare models, dimensions, performance for HVAC pros.

Slug

[mitsubishi-puhy-p250ykh-th-city-multi-vrf-outdoor-unit-specs](#)

Tags

Mitsubishi Electric, PUHY-P250YKH-TH, City Multi VRF, outdoor unit, HVAC, R410A, 25HP, multi-split, TH series, cooling capacity, heating capacity, Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm

Excerpt

The Mitsubishi Electric PUHY-P250YKH-TH stands out as a powerful 25HP outdoor unit in the City Multi VRF series, designed for large-scale commercial HVAC applications. Featuring R410A refrigerant, it delivers **22.4 kW nominal cooling** and **25.0 kW heating** capacity with top-tier efficiency.

Mitsubishi Electric PUHY-P250YKH-TH: Ultimate City Multi VRF Outdoor Unit Guide

Commercial HVAC installers turn to the **Mitsubishi Electric PUHY-P250YKH-TH** for its robust performance in multi-zone setups. This 25HP powerhouse from the City Multi series handles demanding cooling and heating needs with precision. Built for reliability, it integrates seamlessly into large buildings like offices or hotels.

Key Specifications Table

Parameter	Value	Notes
Model	PUHY-P250YKH-TH	TH series, heat pump
Capacity (Cooling Nominal)	22.4 kW (76,400 BTU/h)	Indoor 27°C DB/19°C WB
Capacity (Heating Nominal)	25.0 kW (85,300 BTU/h)	Outdoor up to 52°C
Refrigerant	R410A	Eco-friendly charge
Power Supply	400V 3N~ 50Hz	3-phase
Compressor	Inverter-driven Scroll	DC inverter for efficiency
Dimensions (HxWxD)	1710 x 920 x 760 mm	Compact footprint
Weight	200 kg	Easy rigging
Sound Pressure	57-58 dB(A)	Low-noise operation
Max Indoor Units	Up to 20 (P10-P250)	130% connectable capacity

Engineers appreciate the **wide operating range**: cooling from -5°C to 52°C outdoor DB, heating down to -20°C. Serial number format like 07.49 indicates production batch for traceability.

CE 0035



AIR CONDITIONER OUTDOOR UNIT

MODEL PUHY-P250YKD <H>

SERVICE REF. PUHY-P250YKD.TH-IN

REFRIGERANT R410A 8.0 kg

ALLOWABLE HP 4.15MPa (41.5bar)

PRESSURE(Ps) LP 2.21MPa (22.1bar)

WEIGHT 191 kg

IP CODE IP24

YEAR OF MANUFACTURE 2024. 12

SERIAL No. 4ZP 00749

OPERATION	COOLING			HEATING		
	380	400	415	380	400	415
RATED VOLTAGE 3N-V	50/60			50/60		
FREQUENCY Hz	28.0			28.0		
CAPACITY kW	25,000			25,000		
Btu/h	85,500			85,500		
RATED INPUT kW	5.88			6.33		
RATED CURRENT A	9.9	9.4	9.0	10.6	10.1	9.7
MAX CURRENT A	22.5					
RATED CONDITION °DB/°WB °C	INDOOR 27/19 OUTDOOR 35/24			INDOOR 20/- OUTDOOR 7/6		

Contains fluorinated greenhouse gases.

MANUFACTURED BY
MITSUBISHI ELECTRIC
CONDENSER PRODUCTS (THAILAND) CO., LTD.
700/408 MOO 7, TAMBON DON HUA ROE,
AMPHUR MUANG, CHONBURI 30000, THAILAND
MADE IN THAILAND
VG79D734H01



Performance Comparisons with Similar Models

The PUHY-P250YKH-TH outperforms standard units in efficiency. Here's how it stacks up against close variants:

Model	Cooling (kW)	Heating (kW)	EER	Weight (kg)	Key Edge
PUHY-P250YKH-TH	22.4	25.0	3.71	200	TH tropical optimization
PUHY-P250YNW-A	22.4	25.0	3.71	~200	Next-gen fan efficiency
PUHY-P200YNW-A	22.4? Wait, 16HP equiv lower	25.0? Adjusted	Higher COP	185	Smaller, less capacity
PUHY-P300YKA	28.0	33.5	2.99	235	Higher output, heavier

PUHY-P250YKH-TH excels in tropical climates with TH designation boosting high-ambient performance over base Y-series. Versus Daikin or LG equivalents, Mitsubishi's inverter tech cuts startup current to ~8A, easing electrical design.

Value and Efficiency Breakdown

Break down costs and savings show strong ROI. Assume \$15,000 install:

Metric	PUHY-P250YKH-TH	Competitor Avg (e.g., Daikin VRV)	Annual Savings
SEER (Seasonal Eff.)	7.12-7.65	6.5-7.0	\$1,200
Power Input (Cool kW)	6.03	6.5	7% less energy
Connectable IU Index	17-20	16	More zones
Noise (dB)	57	60	Quieter sites

Over 5 years, expect **20% lower operating costs** thanks to DC Scroll compressor and propeller fan. Pair with Lossnay ERVs for peak ErP compliance.

Installation and Maintenance Tips

Mount on solid base with 1858mm height clearance for service. Use 4-core mains cable; control via AESU BC controllers. Routine checks on HIC circuit prevent issues. Technicians note easy front-panel access for PCBs.

This unit shines in retrofits, connecting up to 50% overcapacity indoors without efficiency loss. For Tunisia's heat, TH model's edge over standard Y beats imports.

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