

SMALL Y (HIGH CAPACITY) LINE

NEW

OUTDOOR UNITS - PUMY P200 YKM (-BS) / PUMY P250/300 YBM (BS)



* P200 Model only

MORE QUIETNESS
THANKS TO THE NEW
FAN

GEOMETRIC PIPING
LIMITATIONS
INCREASED

H.I.C. CIRCUIT (HEAT
INTER CHARGER)
FOR THE SUBCOOLING
CONTROL

HEATING OPERATION
RANGE EXTENDED UP
TO -20°C OUTDOOR
TEMPERATURE

TOP PERFORMANCE
AND COP > 4

POWER RANGE
EXTENDED WITH THE
INTRODUCTION
OF THE NEW 8, 10, 12 HP
THREE-PHASE SIZE

NEW CHASSIS WITH
INCREASED HEAT
EXCHANGE SURFACE

INCREASED
RELIABILITY

CONNECTABLE TO
RESIDENTIAL AND
COMMERCIAL INDOOR
UNITS BY LEV-KIT AND
BRANCH BOX

NATIVE REPLACE
TECHNOLOGY
FUNCTION FOR THE
REPLACEMENT OF R22
SYSTEMS



The power and performance of a VRF with the compact dimensions of a multisplit

The new PUMY-P250/300 YKB 10-12 HP is the ideal solution for all applications where there can be no compromise in efficiency, power and installation flexibility – even where installation space is limited.

Branch Box (3-5 ports) - Total flexibility

New Branch Box grants high flexibility in system design and indoor unit choice. It is possible to connect Residential/Commercial units and/or CITY MULTI VRF units, realizing mixed systems with both types.

Note: PUMY-P250/300 YBM to Branch Box connection is **only available in AtA configuration**.

Model	1 Branch Box		2 Branch Box		3 Branch Box	
	Branch Box ways	CITY MULTI Indoor Units	Branch Box ways	CITY MULTI Indoor Units	Branch Box ways	CITY MULTI Indoor Units
PUMY-P250	Max. 5	Max. 25	Max. 10	Max. 23	Max. 12	Max. 22
PUMY-P300	Max. 5	Max. 25	Max. 10	Max. 23	Max. 12	Max. 22

*The maximum total capacity of the units that can be connected to each branch box is 20.2kW

The power of a VRF, the elegance of a residential Multi-Split

With the use of the **LEV KIT** and **Branch Box** (available as 3 and 5 connection versions) the outdoor units of the Small Y series in **10/12 HP** size can now be connected to the entire range of indoor units of the **residential and commercial series**, with looks that are perfectly suited to applications (residential and hotel buildings) where design and elegance are decisive factors in the choice of indoor units.

The new 10 and 12HP models

The SMALL Y Line gets enriched by the addition of new models (10 and 12HP) in response to the increasing market need for a compact machine that covers bigger capacity.

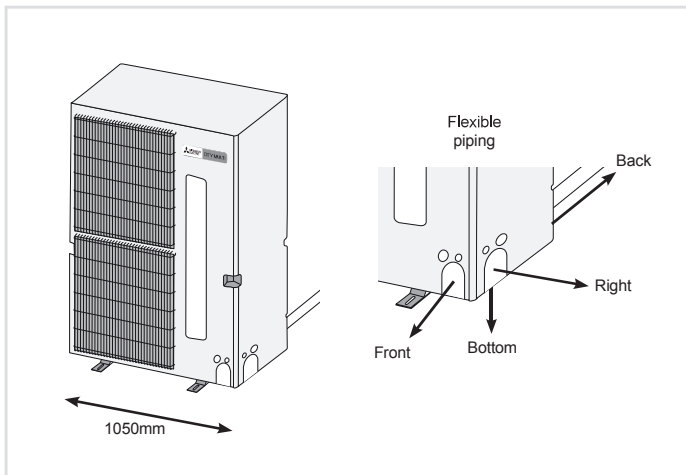
The PUMY P250/300 YBM outdoor units are available in a single version with three-phase power supply, double fan structure, side-flow and with different sizes depending on the model. Also available in -BS version, with anti-saline treatment.

Installation flexibility

The 10 and 12HP models introduce further installation flexibility by ensuring connection of the refrigerant also from the rear of the unit, making these models adaptable to all application requirements.

Side Flow vs Top Flow

Side-flow outdoor units have a smaller footprint and volume than Top-flow units.



Technical specifications				
MODEL			PUMY-P250YBM2(-BS)	PUMY-P300YBM2(-BS)
HP			10	12
Power	Phases/Voltage/Freq.		3-phase, 380-400-415V, 50Hz	
Cooling	Capacity*1		kW	28
	Power input		kW	8,21
	SEER			6,28
	Temperature operating field	Indoor WB	°C	15.0 to 24.0°C (59 to 75°F)
		Outdoor DB	°C	-5.0 to 52.0°C (23 to 126°F) *3*4
Heating	Capacity*2		kW	31,5
	Power input		kW	7,91
	SCOP			4,22
	Temperature operating field	Indoor WB	°C	15.0 to 27.0°C (59 to 81°F)
		Outdoor DB	°C	-20.0 to 15.0°C (-4 to 59°F)
Sound power level			dB(A)	55/61
Connectable indoor units			50~130% of kW outdoor unit capacity	
	Model/Quantity	CITY MULTI		P10-P250/30
		Branch Box		P15~P100/12
		Mixed System		please refer to databook
Ø Ref. piping	Liquid/Gas	mm	9.52/22.4*5	12.7/22.4*5
External dimensions (HxLxW)			mm	1662 × 1050 × 460 (+45)
Net weight			kg	192
Ref. Charge R410A/CO ₂ Eq			kg/Tons	9.3/19,41

*1. Nominal cooling conditions (subject to ISO 15042)

Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB. [95°FDB.], Pipe length: 7.5 m [24-9/16 ft.], Level difference: 0 m [0 ft.]

*2. Nominal heating conditions (subject to ISO 15042)

Indoor: 20°CDB. [68°FDB.], Outdoor: 7°CDB./6°CWB. [45°FDB./43°FWB.], Pipe length: 7.5 m [24-9/16 ft.], Level difference: 0 m [0 ft.]

*3. 10 to 52°C, when connecting following models: PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VKM, PFFY-P20/25/32VCM, PFFY-P20/25/32VLEM, PEFY-P63/71/80V/MA3-E; and M series type indoor unit.

*4. -15 to 52°C, when using an optional air protect guide [PAC-SK21AG-E]. However, this condition does not apply to the indoor unit listed in *3.

*5. Liquid pipe diameter: 12.7mm, when further piping length is longer than 90m, and when PEFY-P200 or P250 is connected.

It is possible to set the External static pressure to 30 Pa by Dip Switch.

Notes:

• Nominal conditions *1, *2 are subject to ISO15042

• Due to continuing improvement, above specifications may be subject to change without notice.