

Technologies and Functions

Mr.Slim presents excellent performances in all loading conditions thanks to the sophisticated power inverter technology with advanced features:

- “Rotation and Backup” function for automatic switching on a second unit in case of first unit block
- “Easy and fast maintenance” function and automatic monitoring of the refrigerant status

Linear Expansion Valve (LEV)

The Mr.Slim linear expansion valve (LEV) allows precise regulation of the refrigerant flow, optimizing the compressor's performances:

- Fast achievement of system stability
- Quick adaptation to load fluctuations

Scroll Inverter compressor

Full inverter technology applied to the compressor allows continuous modulation of the cooling capacity according to the real needs of the servers.

In this way the rotation speed is continuously modulated helping to significantly increase the efficiency for partial loads:

- Elimination of inrush currents
- Energy consumption reduction for 25%, compared to traditional ON/OFF technology
- Maximum reliability thanks to continuous modulation without annoying ON/OFF cycles



Technical specifications

OUTDOOR UNIT			PUZ-ZM 60 VHA	PUZ-ZM 100 VKA	PUZ-ZM 125 YKA	PUZ-ZM 200 YKA	PUZ-ZM 250 YKA
Power supply		V/Ph/Hz	230/1/50	230/1/50	400/3+N/50	400/3+N/50	400/3+N/50
Compressor	Compressor	n°	1	1	1	1	1
	Power input ⁽¹⁾	kW	1,19	1,88	2,82	4,33	6,01
	Refrigerant charge ⁽²⁾	kg	2,8	4	4	7,1	7,7
Condenser fan	Condenser fan	n°	1	2	2	2	2
	Air flow	m³/h	3300	6600	7200	8400	8400
	Power input ⁽¹⁾	kW	0,06	0,06	0,06	0,2	0,2
Dimensions	Length	mm	950	1050	1050	1050	1050
	Depth	mm	355	370	370	370	370
	Height	mm	943	1338	1338	1338	1338
	Weight	kg	70	116	125	135	135

Notes:

(1) Characteristics referred to ambient temperature 35°C – indoor air condition 27°C-47% UR - Connection pipes length 5m;

(2) Standard refrigerant charge.

(+) for additional refrigerant charge please refer to Mr Slim O&M Manual.

These units contain <HFC R32 [GWP100 675]> fluorinated greenhouse gas.