

HYDROLUTION EZY SYSTEM - CONFIGURATIONS

EZY FLEXIBLE CONFIGURATION

The wide range of Mitsubishi Heavy Industries products offers the right heat pump to meet every need.

EZY Flexible is the monoblock heat pump that can be used individually or in a cascade of up to 8 modules.

HYDROLUTION EZY FLEXIBLE COMBINATIONS

The Hydrolution EZY Flexible system offers space heating and cooling with the option of adding domestic hot water production.

HYDROLUTION EZY Flexible is composed of the external unit only (FDCM). By combining the accessories, the installation is even more complete and adapts to every air conditioning need.

The advantages of the Hydrolution EZY Flexible:

- **HEATING AND COOLING ONLY OPTION**, it is available by connecting a circulation pump and an electric resistance (optional) in addition to HYDROLUTION EZY Flexible;
- **DHW OPTION**, available by connecting in addition to HYDROLUTION EZY Flexible a circulation pump, an electric resistance, a DHW tank and a diverter valve;
- **FLEXIBLE INSTALLATION OF UNITS**, it is possible to combine the components according to your needs;
- **GAS FREE**: hydraulic connection between external and internal units, the refrigeration circuit is confined to the external unit only;
- **CAPACITIES AVAILABLE**

16 kW - R32



HYDROLUTION EZY SYSTEM - TECHNICAL DATA

EZY FLEXIBLE R32

Outdoor unit model				FDCM140VNX-W
Heating	Rated power	A7//W35	kW	14.00 [5.40~17.00]
	Power input			3.11
	Performance coefficient		COP	4.50
	Rated power	A7//W45	kW	14.50 [7.60~16.50]
	Power input			4.26
	Performance coefficient		COP	3.40
Cooling	Rated power	A35//W18	kW	16.50 [4.50~16.50]
	Power input			4.34
	Energy efficiency		EER	3.80
	Rated power	A35//W7	kW	12.50 [4.20~12.50]
	Power input			4.31
	Energy efficiency		EER	2.90
Seasonal data (Heating)	Rated @ -10°C	35/55	kW	12.00/12.00
	Seasonal performance coefficient		SCOP	4.61/3.40
	Seasonal energy efficiency (I _s)		%	181/133
	Energy efficiency class		-	A++/A++
	Annual energy consumption		kWh/y	6175/8321
Operating range	Outdoor air temperature	Heating & DHW	°C	-25~43
		Cooling		15~43
	Delivery water temperature	Heating & DHW	°C	25~60
		Cooling		7~25
Refrigerant circuit data	Refrigerant Type (GWP)			R32 [675]
	Q.ty of precharge (tons CO2)			kg (t) 2.9 [1.958]
	Refrigerant control system			Electronic expansion valve
	Compressor			Type Twin rotary - DC Inverter
Hydraulic data	Min. DHW tank capacity (not included)			L 500
	Water/freon heat exchanger			Type Braze-welded plates
	Circulation pump			Not included
	Water connections		Dimensions	inch 1" M [DN25]
	Operating pressure (system)		Max	bar 3
	Expansion vessel			Not included
Electrical data	Power supply		Ph-V-Hz	1ph-230V-50Hz
	Maximum current		A	28
	Power cable (recommended)		Type	3x6 mm ²
Product specifications	Fan	Type	q.ty	DC Inverter
		Air flow	m ³ /h	3600
	Sound power level			dB(A) 63
	Sound pressure level (a 1 m)			dB(A) 48
	Dimensions		LxDxH	mm 1160x440x1120
	Weight		Net	kg 118
	Control (included)			RC-HY40-W
Remote control via Modbus (optional)			MODBUS40M1	

The data reported above refers to the following standards: EN 14511:2018; EN 14825:2019; EN50564:2011; EN12102-1:2018; EN12102-2:2019; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

1. Not compatible with RC-HY20-W.