

Specifications

Split with Third Party DHW Tank R32

- Connectable with R32 Split Outdoor Unit in combination of third party Tank.
- Compatible with thermostats, solar panels and back-up boilers.
- Intuitive, colour screen touch controller in multiple languages.
- Energy monitoring through touch controller.
- PV and Smart Grid ready.
- 2-zone Control, suitable for floor heating and radiators.
- SmartThings compatible with optional Wi-Fi kit.
- Backup heater is included to ensure a minimum water temperature.



		Indoor Unit		AE090RNYDEG/EU		AE090RNYDEG/EU		AE090RNYDEG/EU	
		Outdoor Unit		AE040RXEDEG/EU		AE060RXEDEG/EU		AE090RXEDEG/EU	
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW	4.4/3.9	6.0/5.2	9.0/8.0		
			Cooling A35/W18 ¹	kW	5.0	6.5	8.7		
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW	0.85/1.32	1.22/1.81	1.87/2.73		
			Cooling A35/W18 ¹	kW	1.09	1.47	2.11		
		COP (Nominal Heating) A7/W35 ¹	W/W	5.20/2.95	4.92/2.87	4.81/2.93			
		EER (Nominal Cooling) A35/W18 ¹	W/W	4.59	4.42	4.12			
		Seasonal space heating enr. efficiency η _s LWT 35°C/ 55°C	ETA%	180/127	180/129	175/127			
		Seasonal Space Heating Eff. Class LWT 35°C/ 55°C	-		A+++ / A++	A+++ / A++	A+++ / A++		
		Current	MCA	A	16.00	16.00	22.00		
			MFA	A	20.00	20.00	27.50		
	Leaving Water Temperature ²	Heating	°C	15-65	15-65	15-65			
		Cooling	°C	5-25	5-25	5-25			
	Functions	Smart Grid Ready / PV Enabled	-	•	•	•			
		4-Step Quiet Mode	-	•	•	•			
2-zone Control		-	•	•	•				
Wall-Mounted Hydro Unit	Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz			
	Heater	Back-up heater Capacity	Default (Option)	kW	4	4	4		
	Sound	Sound Pressure ³	Heating Std	dB(A)	26	26	26		
			Cooling Std	dB(A)	26	26	26		
	Sound Power	Heating Std	dB(A)	40	40	40			
			dB(A)	40	40	40			
	Dimensions	Net Weight		kg	45,0	45,0	45,0		
Net Dimensions (WxHxD)			mm	510 x 850 x 315	510 x 850 x 315	510 x 850 x 315			
Piping	Water pipe	Inlet/Outlet	Φ, inch	1+1/4"	1+1/4"	1+1/4"			
Outdoor unit	Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary			
	Base Heater	Capacity	kW	-	-	0.15			
	Sound	Sound Pressure ³	Heating Std	dB(A)	44	47	49		
			Cooling Std	dB(A)	46	47	49		
		Sound Power	Heating Std	dB(A)	58	60	64		
	Dimensions	Net Weight		kg	46.5	46.5	73.0		
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 638 x 310	940 x 998 x 330		
	Refrigerant	Type			R32 (Fluorinated greenhouse gas, GWP=675)				
		Factory Charging		tCO ₂ e	1.2	1.2	1.4		
				kg	0.81	0.81	0.95		
		Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	
	Gas Pipe			Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")		
	Piping length (ODU-IDU) ⁴		Max. [Equiv.]	m	30	30	35		
	Level difference (IDU-IDU) ⁴		Max.	m	20	20	20		
	Chargeless Length			Φ, mm	15	15	15		
	Operation	Ambient Temperature	Heating	°C	-25-35	-25-35	-25-35		
Cooling			°C	10-46	10-46	10-46			
DHW		°C	-25-43	-25-43	-25-43				

Accessories



Touch Controller (included)

Touch Controller

DMS2.5

Wi-Fi Kit

External Room Sensor

MWR-WW10N

MCM-A300N

MIM-D01AN

MIM-H04EN

MRW-TA



AE090RNYDGG/EU

AE090RXEDGG/EU

9.0/8.0

8.7

1.87/2.73

2.11

4.81/2.93

4.12

175/127

A+++ / A++

10.00

16.10

15-65

5-25

•

•

•

3Φ, 2, 380-415 V, 50 Hz

6

26

26

40

46.5

510 x 850 x 315

1+1/4"

BLDC Twin Rotary

0.15

49

49

64

72.0

940 x 998 x 330

R32 (Fluorinated greenhouse gas,
GWP=675)

1.4

0.95

6.35 (1/4")

15.88 (5/8")

35

20

15

-25-35

10-46

-25-43



**A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

⁴ODU : Outdoor Unit, IDU : Indoor Unit