

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				AE040RXDEG/EU	AE060RXDEG/EU	AE090RXDEG/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	
	Sound	Sound Pressure ³	Heating Std	dB(A)	26	26	
			Cooling Std	dB(A)	26	26	
	Sound Power	Heating Std	dB(A)	40	40		
				40	40		
	Dimensions	Net Weight	kg	45,0	45,0		
		Net Dimensions (WxHxD)	mm	510 x 850 x 315	510 x 850 x 315		
Piping	Water pipe	Inlet/Outlet	Φ, inch	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	
			Cooling Std	dB(A)	46	47	
		Sound Power	Heating Std	dB(A)	58	60	
	Dimensions	Net Weight	kg	46.5	46.5		
		Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 638 x 310		
	Refrigerant	Type		R32 (Fluorinated greenhouse gas, GWP=675)			
		Factory Charging	tCO ₂ e	1.2	1.2		
			kg	0.81	0.81		
	Piping	Piping Connections	Liquid Pipe	Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	
			Gas Pipe	Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")	
		Piping length (ODU-IDU) ⁴	Max.[Equiv.]	m	30	35	
		Level difference (IDU-IDU) ⁴	Max.	m	20	20	
		Chargeless Length		Φ, mm	15	15	
	Operation	Ambient Temperature	Heating	°C	-25~35	-25~35	
			Cooling	°C	10~46	10~46	
			DHW	°C	-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