R4LO HYDRO3

- R-4LIVING
- Multi-split
- Outdoor unit
- R32

Inverter Outdoor Units 3 Rooms Multi-split + DHW R-4LIVING type R4LO HYDRO3

This DC inverter multi-split system combines high efficiency with energy-saving operation. Thanks to the outdoor unit and a maximum piping length of up to 80 m (40 m of which is pre-charged), installation is extremely flexible, even in complex situations.
With a single system, you can cool or heat up to three rooms. Moreover, the unit simultaneously provides domestic hot water (DHW). In summer, it intelligently utilizes the "free" heat extracted from the cooled rooms, a sustainable solution that perfectly combines comfort and savings.

Brand
- R-4LIVING

Product
- 3-room multi-split + DHW outdoor unit

Application
- Air-air heat pump, inverter

Function
- Heat pump, inverter

Refrigerant
- R32

Features
- Multi-split air-to-air system with simultaneous domestic hot water production
- High-efficiency DC inverter multi-system
- DC rotary compressor
- Fan with DC motor
- Easy installation and maintenance
- Flexible installation, total pipe length of 80m
- Pre-charged for 40m
- Outdoor temperature range in cooling mode: -15~+43°C
- Outdoor temperature range in heating mode: -22~24°C

Accessories

- 185L DHW tank. Type **SHPB 185 HYDRO**
- SHPB DHW thermostat. Type **TS-HYDRO**
- Painted wall bracket. Type **WBA/WBC-HD**
- Stainless steel wall bracket. Type **WBI**
- Rubber mounting blocks (15 cm). Type **MPRH**
- Insulated copper pipes on a coil. Type **P-COIL**

Combination opportunities		
Model	**Type of unit**	**R4LO 36 HYDRO3**
Basic wall models	R4LW 09 VIVA	x
	R4LW 12 VIVA	x
	R4LW 18 VIVA	x
	R4LW 24 VIVA	x
Design wall models	R4LW 09 ONYX	x
	R4LW 12 ONYX	x
	R4LW 18 ONYX	x
	R4LW 24 ONYX	x
Floor models	R4LF 09 TERRA	x
	R4LF 12 TERRA	x
	R4LF 18 TERRA	x

Specifications		
Technical specifications		**R4LO 36 HYDRO3**
Data according to standard combination		9+9+9+SWW
Cooling capacity (min. - nom. - max.)**	kW	2.6 - 10.6 - 12.0
Heating capacity (min. - nom. - max.)**	kW	3.0 - 12.0 - 14.0
(Max.) heating capacity at -7°C (outdoor @ 20°C (indoor)	kW	8.2
Absorbed power (rated) (C/H)	kW	3.0/3.2
EER (Cooling)		3.66
COP (Heating)		3.75
Pdesign (C/H)***	kW	10.6/10.5
SEER (Cooling)		7.2
SCOP (Heating)		4.2
Energy class (C/H)		A++/A+
Absorbed current (rated) (C/H)	A	13.0/14.0
Annual energy consumption (C/H)	kWh/j	515/3500
Sound pressure level	dB(A)	60
Sound power level	dB(A)	70
Air flow rate (maximum)	m³/h	5800
Dimensions (H x W x D)	mm	826x1020x427
Weight	kg	72
Compressor inverter type		DC Twin Rotary
Cooling pipes	inch	4x 1/4 - 3/8
Maximum length/height of cooling pipes	m/m	80/15
Maximum length of cooling pipes per indoor unit	m	20
Minimum length of cooling pipes per indoor unit	m	3
Refrigerant		R32 (675)
Amount of pre-charged refrigerant	g (CO2eq-T)	2400 (1.62)
Number of prefilled meters	m	40
Extra amount of refrigerant per meter	g/m	20
Operating temperature in cooling mode	°C	-15~+43
Operating temperature in heating mode	°C	-22~+24
Power supply	V	230/1
Power supply cable section	mm²	3G 6
Automatic fuse (slow)	A	32
* Specifications and design are subject to change for further improvement without prior notice.		
** Cooling and heating capacities are achieved under the following conditions:		
(Cooling) Indoor temp.: 27°C D.B./19°C W.B. - Outdoor temp.: 35°C D.B./24°C W.B.		
(Heating) Indoor temp.: 20°C D.B. - Outdoor temp.: 7°C D.B./6°C W.B.		
*** Pdesign is the cooling and heating capacity at the design temperature 35°C (C) and for the average climate zone at -10°C (H)		
COP/EER according to EN14511 - SCOP/SEER according to EN14825 - sound power according to EN12102		
Refrigeration adapter pieces supplied with outdoor unit		

Combination tables

R4LO 36 HYDRO3 (min.18 kBtu - max.54 kBtu) - in COOLING*

	Indoor unit/Room				kBtu	Cooling capacity				Total cooling capacity	Absorbed power	SEER	Energy class
	Unit	Unit	Unit	Unit	Tot.	Unit	Unit	Unit	Unit	nom (min - max)	nom (min - max)		
2 rooms	9	9	-	-	18	2.6	2.6	-	-	5.2 (2.4 - 5.8)	2.4 (1.6 - 3.5)	7.2	A++
	9	12	-	-	21	2.6	3.5	-	-	6.1 (2.4 - 6.8)	2.4 (1.6 - 3.5)	7.2	A++
	9	18	-	-	27	2.6	5.0	-	-	7.6 (2.4 - 8.4)	2.4 (1.6 - 3.5)	7.2	A++
	9	24	-	-	33	2.6	7.2	-	-	9.8 (2.4 - 10.9)	2.6 (1.6 - 3.6)	7.2	A++
	12	12	-	-	24	3.5	3.5	-	-	7.0 (2.4 - 7.8)	2.4 (1.6 - 3.5)	7.2	A++
	12	18	-	-	30	3.5	5.0	-	-	8.5 (2.4 - 9.4)	2.4 (1.6 - 3.5)	7.2	A++
	12	24	-	-	36	3.5	5.0	-	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.0)	7.2	A++
	18	18	-	-	36	5.3	5.3	-	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.0)	7.2	A++
	18	24	-	-	42	4.5	6.0	-	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.0)	7.2	A++
	24	24	-	-	48	5.3	5.3	-	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.0)	7.2	A++
3 rooms	9	9	9	-	27	2.6	2.6	2.6	-	7.8 (2.4 - 8.6)	2.4 (1.6 - 3.5)	7.2	A++
	9	9	12	-	30	2.6	2.6	4.2	-	9.4 (2.4 - 10.4)	2.6 (1.6 - 3.6)	7.2	A++
	9	9	18	-	36	2.6	2.6	5.3	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	9	9	24	-	42	2.3	2.3	6.0	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	9	12	12	-	33	2.6	3.5	3.5	-	9.6 (2.4 - 10.6)	3.0 (1.6 - 4.6)	7.2	A++
	9	12	18	-	39	2.4	3.2	4.9	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	9	12	24	-	45	2.1	2.8	5.6	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	9	18	18	-	45	2.1	4.2	4.2	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	9	18	24	-	51	1.9	3.7	4.9	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	12	12	12	-	36	3.5	3.5	3.5	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	12	12	18	-	42	3.0	3.0	4.5	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	12	12	24	-	48	2.6	2.6	5.3	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	12	18	18	-	48	2.6	3.9	3.9	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	12	18	24	-	54	2.3	3.5	4.7	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++
	18	18	18	-	54	3.5	3.5	3.5	-	10.6 (2.4 - 12.0)	3.0 (1.6 - 4.6)	7.2	A++

R4LO 36 HYDRO3 (min.18 kBtu - max.54 kBtu) - in HEATING*

	Indoor unit/Room				kBtu	Heating capacity				Total heating capacity	Absorbed power	SCOP	Energy class
	Unit	Unit	Unit	Unit	Tot.	Unit	Unit	Unit	Unit	nom (min - max)	nom (min - max)		
2 rooms	9	9	-	-	18	2.8	2.8	-	-	5.6 (3.0 - 14.0)	2.2 (1.6 - 3.1)	4.0	A+
	9	12	-	-	21	2.8	3.8	-	-	6.6 (3.0 - 14.0)	2.2 (1.6 - 3.1)	4.0	A+
	9	18	-	-	27	2.8	5.6	-	-	8.4 (3.0 - 14.0)	2.2 (1.6 - 3.6)	4.0	A+
	9	24	-	-	33	2.8	8.5	-	-	11.3 (3.0 - 14.0)	2.8 (1.6 - 5.0)	4.0	A+
	12	12	-	-	24	3.8	3.8	-	-	7.6 (3.0 - 14.0)	2.2 (1.6 - 3.1)	4.0	A+
	12	18	-	-	30	3.8	5.6	-	-	9.4 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	24	-	-	36	3.8	8.2	-	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	18	18	-	-	36	6.0	6.0	-	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	18	24	-	-	42	5.1	6.9	-	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	24	24	-	-	48	6.0	6.0	-	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
3 rooms	9	9	9	-	27	2.8	2.8	2.8	-	8.4 (3.0 - 14.0)	2.2 (1.6 - 3.6)	4.0	A+
	9	9	12	-	30	2.8	2.8	3.8	-	9.4 (3.0 -14.0)	2.8 (1.6 - 5.0)	4.0	A+
	9	9	18	-	36	3.0	3.0	6.0	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	9	9	24	-	42	2.6	2.6	6.9	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	9	12	12	-	33	3.2	4.4	4.4	-	11.3 (3.0 - 14.0)	2.8 (1.6 - 5.0)	4.0	A+
	9	12	18	-	39	2.8	3.7	5.5	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	9	12	24	-	45	2.4	3.2	6.4	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	9	18	18	-	45	2.4	4.8	4.8	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	9	18	24	-	51	2.1	4.2	5.7	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	12	12	-	36	4.0	4.0	4.0	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	12	18	-	42	3.4	3.4	5.1	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	12	24	-	48	3.0	3.0	6.0	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	18	18	-	48	3.0	4.5	4.5	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	12	18	24	-	54	2.7	4.0	5.3	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+
	18	18	18	-	54	4.0	4.0	4.0	-	12.0 (3.0 - 14.0)	3.1 (1.6 - 5.0)	4.0	A+

Combinations of indoor units shown here are models of working units, not of connectable units.
A minimum of 2 indoor units must be connected with a total of 18 kBtu.
A maximum of 4 indoor units can be connected with a total of 54 kBtu.
* Cooling and heating capacities are achieved under the following conditions:
(Cooling) Indoor temp.: 27°C D.B./19°C W.B. - Outdoor temp.: 35°C D.B./24°C W.B.
(Heating) Indoor temp.: 20°C D.B. - Outdoor temp.: 7°C D.B./6°C W.B.
SCOP/SEER according to EN14825