Haier

HYDRO SPLIT R290



AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA

AW10NHUGHA



HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3

Our hydro split indoor unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The Hydro Split units have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable

Product Data			Hydro Split 4kW-1Ph	Hydro Split 6kW-1Ph	Hydro Split 8kW-1Ph	Hydro Split 10kW-1Ph	Hydro Split 10kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	0.73	1.12	1.50	1.96	1.96
	COP	W/W	5.50	5.35	5.35	5.10	5.10
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4.00	6.00	8.00	10.00	10.00
	Power input	kW	1.19	1.82	2.35	3.13	3.13
	COP	W/W	3.35	3.30	3.40	3.20	3.20
Space heating Average climate water outlet 35°C	SCOP	-	5.10	5.10	5.20	5.10	5.10
	ns	%	201	201	205	201	201
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.83	3.83
	ns	%	151	150	151	150	150
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4.00	6.00	7.50	9.50	9.50
	Power input	kW	0.79	1.20	1.58	2.21	2.21
	EER	-	5.05	5.00	4.75	4.30	4.30
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	5.00	6.80	8.50	8.50
	Power input	kW	0.95	1.37	1.97	2.62	2.62
	EER	-	3.70	3.65	3.45	3.25	3.25
Indoor Unit			HU102WAHYA	HU102WAHYA	HU102WAHYA	HU102WAHYA	HU10NWAHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion Tank		L	8	8	8	8	8
Backup eletric heater	Capacity	kW	1+2	1+2	1+2	1+2	1+2
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	14.1	14.1	14.1	14.1	5.0
Recommended circuit breaker		A	20.0	20.0	20.0	20.0	10.0
Sound power level		dB	40	40	40	40	40
Net Dimension	(HxWxD)	mm	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310
Packaging dimension	(HxWxD)	mm	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460
Net / Gross weight	HU1*2WAHYA**	kg	35.5 / 49	35.5 / 49	35.5 / 49	35.5 / 49	36 / 49.5
	HU1*2WAHYB**	kg	32.5/46	32.5/46	32.5/46	32.5/46	/
Outdoor Unit			AW042HUGHA	AW062HUGHA	AW082HUGHA	AW102HUGHA	AW10NHUGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotary				
Refrigerant	Type	-	R290				
	Charge/CO2 Eq.	kg/T	0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	0.9/2.7
Sound pressure level *(1)		dB(A)	44	47	48	49	49
Sound power level *(1)		dB	55	58	59	60	60
Net Dimension	(HxWxD)	mm	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380	790 × 1250 × 380
Packaging dimension	(HxWxD)	mm	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550	1022 × 1395 × 550
Net / Gross weight		kg	86/109	86/109	98/121	98/121	113/136
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Max running current		A	13.5	13.5	18.6	18.6	6.2
Recommended ciruit breaker		A	16.0	16.0	20.0	20.0	16.0

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
* HU1*2WAHYA** stands for the unit without 3-way valve, with expansion tank
* HU1*2WAHYB** stands for the unit with 3-way valve, without expansion tank

R290
R290

A+++/A+++

±80°C
Max. 80°C hot water

Climate Curve

2 Zone Control

AUTO
Auto Mode

Smart Grid

BMS
Modbus

DHW Tank Solar Control

Pool Heating

Anti-freezing

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HYDRO SPLIT R290



AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA



HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3

Our hydro split indoor unit has the expansion vessel , flow switch and water pump inside the all in one unit.

The Hydro Split have a wiring centre mounted inside them to make wiring simpler. It connects to he outdoor unit with a 2 core cable

Product Data			Hydro Split 12kW-1Ph	Hydro Split 14kW-1Ph	Hydro Split 16kW-1Ph	Hydro Split 12kW-3Ph	Hydro Split 14kW-3Ph	Hydro Split 16kW-3Ph
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	12.00	14.00	16.00	12.00	14.00	16.00
	Power input	kW	2.35	2.83	3.23	2.35	2.83	3.23
	COP	W/W	5.10	4.95	4.95	5.10	4.95	4.95
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	3.48	4.22	5.08	3.48	4.22	5.08
	COP	W/W	3.30	3.20	3.05	3.30	3.20	3.05
Space heating Average climate water outlet 35°C	SCOP	-	4.82	4.80	4.80	4.82	4.80	4.80
	ns	%	190	189	189	190	189	189
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.83	3.85	3.85	3.83	3.85
	ns	%	151	150	151	151	150	151
	Energy class	-	A+++	A+++	A+++	A+++	A+++	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	11.50	13.50	15.50	11.50	13.50	15.50
	Power input	kW	2.56	3.14	3.88	2.56	3.14	3.88
	EER	-	4.50	4.30	4.00	4.50	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	10.00	12.00	14.00	10.00	12.00	14.00
	Power input	kW	2.99	3.75	4.52	2.99	3.75	4.52
	EER	-	3.35	3.20	3.10	3.35	3.20	3.10
Indoor Unit			HU162WAHYA	HU162WAHYA	HU162WAHYA	HU16NWAHYAE3	HU16NWAHYAE3	HU16NWAHYAE3
Leaving water temperature range	Heating	°C	20~80	20~80	20~80	20~80	20~80	20~80
	Cooling	°C	5~25	5~25	5~25	5~25	5~25	5~25
Storage temperature range (Tank)	DHW	°C	25~75	25~75	25~75	25~75	25~75	25~75
Water piping Connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Expansion Tank		L	8	8	8	8	8	8
Backup eletric heater	Capacity	kW	2+4	2+4	2+4	2+4	2+4	2+4
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	28.2	28.2	28.2	9.5	9.5	9.5
Recommended circuit breaker		A	40.0	40.0	40.0	16.0	16.0	16.0
Sound power level		dB	42	42	42	42	42	42
Net Dimension	HxWxD	mm	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310	850 × 480 × 310
Packaging dimension	HxWxD	mm	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460	1020 × 580 × 460
Net / Gross weight	HU1*2WAHYA**	kg	37 / 50.5	37 / 50.5	37 / 50.5	37.5 / 51	37.5 / 51	37.5 / 51
	HU1*2WAHYB**	kg	34/47.5	34/47.5	34/47.5	34.5/48	34.5/48	34.5/48
Outdoor Unit			AW122HVGHA	AW142HVGHA	AW162HVGHA	AW12NHVGHA	AW14NHVGHA	AW16NHVGHA
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
	Cooling	°C	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
	DHW	°C	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
Water piping connection	Inlet/Outlet	inch	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
Compressor	Quantity	-	1	1	1	1	1	1
	Type	-	DC inverter twin rotary					
Refrigerant	Type	-	R290					
	Charge/CO2 Eq.	kg/T	1.05/3.15	1.05/3.15	1.25/3.75	1.05/3.15	1.05/3.15	1.25/3.75
Sound pressure level *(1)		dB(A)	52	53	55	52	53	55
Sound power level *(1)		dB	63	64	66	63	64	66
Net Dimension	HxWxD	mm	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460	880 × 1250 × 460
Packaging dimension	HxWxD	mm	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630	1112 × 1396 × 630
Net / Gross weight		kg	114/140	114/140	123/149	129/155	129/155	138/164
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max running current		A	30.6	30.6	34.8	10.2	10.2	11.6
Recommended ciruit breaker		A	32.0	32.0	40.0	16.0	16.0	16.0

* (1)The testing conditions refer to EN14511-2018 and the testing method refers to EN12102-2017 (A7/W35)
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R290
A+++/A+++
±80°C
Max. 80°C hot water
Climate Curve
2 Zone Control
AUTO
Auto Mode
Smart Grid
BMS
Modbus
DHW Tank Solar Control
Pool Heating
Anti-freezing

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