

HYDRO SPLIT R290 NEW 2024



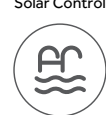
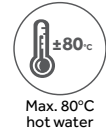
AW042HUGHA
AW062HUGHA
AW082HUGHA
AW102HUGHA
AW10NHUGHA



HU102WAHYA
HU162WAHYA
HU10NWAHYAE3
HU16NWAHYAE3

| 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 electric 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 circuit 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



HYDRO SPLIT R290 NEW 2024



AW122HVGHA
AW142HVGHA
AW162HVGHA

AW12NHVGHA
AW14NHVGHA
AW16NHVGHA



HU102WAHYA
HU162WAHYA

HU10NWAHYAE3
HU16NWAHYAE3

| Product Data | | | Hyrdo Split 12kW-1Ph | Hyrdo Split 14kW-1Ph | Hyrdo Split 16kW-1Ph | Hyrdo Split 12kW-3Ph | Hyrdo Split 14kW-3Ph | Hyrdo 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 electric 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 circuit 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)
* 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

