

SPLIT TYPE

HN0314.NK2 / HU031.UE2
 HN0914.NK2 / HU051.U42
 HU071.U42
 HU091.U42



| SPLIT (OUTDOOR UNIT) | | Capacity Reference | 3kW 1Ø HU031.UE2 | 5kW 1Ø HU051.U42 | 7kW 1Ø HU071.U42 | 9kW 1Ø HU091.U42 |
|-----------------------------|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Nominal Capacity | Heating (A7 / W35) | kW | 2.94 | 5.01 | 7.02 | 9.03 |
| | Heating (A2 / W50) | kW | 2.18 | 3.64 | 5.08 | 6.54 |
| | Heating (A-2 / W50) | kW | 2.15 | 3.59 | 5.02 | 6.46 |
| | Heating (A-7 / W35) | kW | 2.59 | 3.98 | 5.11 | 5.82 |
| | Cooling (A35 / W18) | kW | 3.00 | 5.00 | 6.40 | 7.00 |
| Nominal Power Input | Heating (A7 / W35) | kW | 0.62 | 1.07 | 1.60 | 2.06 |
| | Heating (A2 / W50) | kW | 0.93 | 1.38 | 2.04 | 2.54 |
| | Heating (A-2 / W50) | kW | 0.98 | 1.44 | 2.11 | 2.64 |
| | Heating (A-7 / W35) | kW | 0.97 | 1.56 | 2.09 | 2.52 |
| | Cooling (A35 / W18) | kW | 0.75 | 1.35 | 1.77 | 1.93 |
| COP | Heating (A7 / W35) | | 4.74 | 4.68 | 4.39 | 4.38 |
| | Heating (A2 / W50) | | 2.34 | 2.64 | 2.49 | 2.57 |
| | Heating (A-2 / W50) | | 2.19 | 2.49 | 2.38 | 2.45 |
| | Heating (A-7 / W35) | | 2.68 | 2.55 | 2.44 | 2.31 |
| EER | Cooling (A35 / W18) | | 4.00 | 3.70 | 3.62 | 3.63 |
| Dimension | W x H x D | mm | 870 x 655 x 320 | 950 x 834 x 330 | 950 x 834 x 330 | 950 x 834 x 330 |
| Weight | | kg | 46 | 64 | 64 | 64 |
| Sound Power Level (Heating) | | dB (A) | 65 | 64 | 64 | 65 |
| Outdoor Air Operation Range | Heating | °C DB | -20 ~ 30 | -20 ~ 30 | -20 ~ 30 | -20 ~ 30 |
| | Cooling | °C DB | 5 ~ 48 | 5 ~ 48 | 5 ~ 48 | 5 ~ 48 |
| Refrigerant (R410a) | Pipe Diameter (Liquid) | mm (inch) | Ø6.35 (1/4) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) |
| | Pipe Diameter (Gas) | mm (inch) | Ø12.7 (1/2) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) |
| | Pre-Charged Amount | kg | 1.00 | 1.55 | 1.55 | 1.55 |
| | | TCO ₂ eq | 2.08 | 3.23 | 3.23 | 3.23 |
| | GWP | | | 2,087.5 | | |
| Ref. Pipe Length | Chargeless Pipe Length | m | 7.5 | 7.5 | 7.5 | 7.5 |
| | Additional Charging Volume | g/m | 20 | 40 | 40 | 40 |
| | Minimum | m | - | - | - | - |
| | Standard | m | 7.5 | 7.5 | 7.5 | 7.5 |
| | Maximum | m | 30 | 50 | 50 | 50 |
| Power Supply | | P / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 | 1 / 220-240 / 50 |
| Recommended Fuse | | A | 20 | 20 | 20 | 20 |

* This product contains fluorinated greenhouse gases. (R410A) / All models do have electric heating cable for prevent frost from condensing water at the condensing pan except 3kW capacity.

* All specification in based on EN14511 and EN14825. * EHPA label for Germany, Austria and Switzerland. * MCS label is not include 3kW single phase type.

* Above table values does include humidification effect in the outdoor temperature below zero.

| SPLIT (INDOOR UNIT) | | Capacity Reference | 3kW HN0314.NK2 | 5, 7, 9kW HN0914.NK2 | | |
|--|--------------|--------------------|-------------------|-------------------------|---------------|---------------|
| Dimension | W x H x D | mm | 490 x 850 x 315 | 490 x 850 x 315 | | |
| Weight | | kg | 46 | 48 | | |
| Electric Heater | Power Supply | P / V / Hz | 1 / 220-240 / 50 | 1 / 220-240 / 50 | | |
| | Capacity | kW | 4 | 4 | | |
| Leaving Water Temp. Range | Heating | °C | 15-57 | 15-57 | | |
| | Cooling | °C | 6-30 | 6-30 | | |
| Water Flowrate Limit | | LPM | Min.15 | Min.15 | | |
| Max. Water Head | | m | 6 | 7 | | |
| Water Pipe Connection | Inlet | mm (inch) | Male PT 25 (1) | Male PT 25 (1) | | |
| | Outlet | mm (inch) | Male PT 25 (1) | Male PT 25 (1) | | |
| Seasonal space heating energy efficiency class | 35°C / 55°C | | A++ / A+ | A++ / A+ | A++ / A+ | A++ / A+ |
| Seasonal space heating energy efficiency (average) | 35°C / 55°C | % | 152 / 100 | 171 / 115 | 167 / 119 | 159 / 118 |
| Rated heat output (average) | 35°C / 55°C | kW | 3 / 2 | 6 / 5 | 7 / 6 | 8 / 7 |
| Annual energy consumption (average) | 35°C / 55°C | kWh | 1,523 / 1,903 | 2,802 / 3,533 | 3,381 / 4,118 | 3,893 / 4,704 |
| Water pump EEI ≤ | | | 0.2 | 0.20 | 0.20 | 0.20 |

HN1616.NK2 / HU121.U32
 HU141.U32
 HU161.U32
 HN1639.NK2 / HU123.U32
 HU143.U32
 HU163.U32



| SPLIT (OUTDOOR UNIT) | | Capacity Reference | 12kW 1Ø HU121.U32 | 14kW 1Ø HU141.U32 | 16kW 1Ø HU161.U32 | 12kW 3Ø HU123.U32 | 14kW 3Ø HU143.U32 | 16kW 3Ø HU163.U32 |
|-----------------------------|------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Nominal Capacity | Heating (A7 / W35) | kW | 12.00 | 14.00 | 16.00 | 12.00 | 14.00 | 16.00 |
| | Heating (A2 / W50) | kW | 8.50 | 9.78 | 11.03 | 8.55 | 9.83 | 11.29 |
| | Heating (A-2 / W50) | kW | 7.94 | 9.14 | 10.30 | 7.99 | 9.18 | 10.54 |
| | Heating (A-7 / W35) | kW | 9.69 | 11.07 | 12.49 | 9.69 | 11.08 | 12.59 |
| Nominal Power Input | Cooling (A35 / W18) | kW | 10.40 | 12.00 | 13.20 | 10.40 | 12.00 | 13.20 |
| | Heating (A7 / W35) | kW | 2.70 | 3.19 | 3.86 | 2.70 | 3.19 | 3.86 |
| | Heating (A2 / W50) | kW | 3.41 | 4.00 | 4.60 | 3.49 | 4.07 | 4.73 |
| | Heating (A-2 / W50) | kW | 3.30 | 3.95 | 4.63 | 3.40 | 4.00 | 4.63 |
| COP | Heating (A-7 / W35) | kW | 3.48 | 4.03 | 4.89 | 3.45 | 4.02 | 4.94 |
| | Cooling (A35 / W18) | kW | 2.67 | 3.25 | 3.65 | 2.67 | 3.25 | 3.65 |
| | Heating (A7 / W35) | | 4.44 | 4.39 | 4.15 | 4.44 | 4.39 | 4.15 |
| | Heating (A2 / W50) | | 2.49 | 2.45 | 2.40 | 2.45 | 2.42 | 2.39 |
| EER | Heating (A-2 / W50) | | 2.41 | 2.31 | 2.22 | 2.35 | 2.30 | 2.28 |
| | Heating (A-7 / W35) | | 2.78 | 2.75 | 2.55 | 2.81 | 2.75 | 2.55 |
| EER | Cooling (A35 / W18) | | 3.89 | 3.69 | 3.65 | 3.89 | 3.69 | 3.65 |
| | Dimension | W x H x D | mm 950 x 1,380 x 330 | | | | | |
| Weight | | kg | 94 | | | 96 | | |
| Sound Power Level (Heating) | | dB (A) | 68 | 69 | 69 | 68 | 69 | |
| Outdoor Air Operation Range | Heating | °C DB | -20 ~ 30 | | | | | |
| | Cooling | °C DB | 5 ~ 48 | | | | | |
| Refrigerant (R410a) | Pipe Diameter (Liquid) | mm (inch) | 9.52 (3/8) | | | | | |
| | Pipe Diameter (Gas) | mm (inch) | 15.88 (5/8) | | | | | |
| | Pre-Charged Amount | kg | 2.30 | | | | | |
| | | TCO ₂ eq | 4.80 | | | | | |
| | GWP | | 2,087.5 | | | | | |
| | Chargeless Pipe Length | m | 7.5 | | | | | |
| Additional Charging Volume | g/m | 40 | | | | | | |
| Ref. Pipe Length | Minimum | m | - | | | | | |
| | Standard | m | 7.5 | | | | | |
| | Maximum | m | 50 | | | | | |
| Power Supply | | P / V / Hz | 1 / 220-240 / 50 | | | 3 / 380-415 / 50 | | |
| Recommended Fuse | | A | 40 | | | 20 | | |

* This product contains fluorinated greenhouse gases. (R410A) / All models do have electric heating cable for prevent frost from condensing water at the condensing pan except 3kW capacity.
 * All specification in based on EN14511 and EN14825. * EHPA label for Germany, Austria and Switzerland. * EHPA label is not include 12/14/16kW single phase type.
 * Above table values does include humidification effect in the outdoor temperature below zero.

| SPLIT (INDOOR UNIT) | | Capacity Reference | 12-16kW | | | | | |
|--|--------------|--------------------|------------------|---------------|---------------|------------------|---------------|---------------|
| | | | HN1616.NK2 | | | HN1639.NK2 | | |
| Dimension | W x H x D | mm | 490 x 850 x 315 | | | | | |
| Weight | | kg | 56 | | | 51 | | |
| Electric Heater | Power Supply | P / V / Hz | 1 / 220-240 / 50 | | | 3 / 380-415 / 50 | | |
| | Capacity | kW | 6 | | | 9 | | |
| Leaving Water Temp. Range | Heating | °C | 15 ~ 57 | | | | | |
| | Cooling | °C | 6 ~ 30 | | | | | |
| Water Flowrate Limit | | LPM | Min.15 | | | | | |
| Max. Water Head | | m | 7 | | | | | |
| Water Pipe Connection | Inlet | mm (inch) | Male PT 25 (1) | | | | | |
| | Outlet | mm (inch) | Male PT 25 (1) | | | | | |
| Seasonal space heating energy efficiency class | 35°C / 55°C | | A++ / A+ | A++ / A+ | A++ / A+ | A++ / A+ | A++ / A+ | A++ / A+ |
| Seasonal space heating energy efficiency (average) | 35°C / 55°C | % | 162 / 122 | 163 / 122 | 163 / 122 | 157 / 115 | 158 / 115 | 158 / 115 |
| Rated heat output (average) | 35°C / 55°C | kW | 10 / 10 | 10 / 10 | 11 / 10 | 10 / 10 | 10 / 10 | 11 / 10 |
| Annual energy consumption (average) | 35°C / 55°C | kWh | 4,959 / 6,564 | 5,238 / 6,564 | 5,422 / 6,564 | 5,182 / 7,046 | 5,398 / 7,046 | 5,586 / 7,046 |
| Water pump EEI ≤ | | | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |