



# Side-Discharge Heat Pumps



## Easier To: Do The Job



### R454B Refrigerant

Delivers high efficiency while meeting today's low-GWP standards - our commitment to sustainability without compromise.



### Space Saving Solution

The ducted side-discharge unit, as low as 13 3/8" deep\*, fits tight installs like zero lot line or limited-space applications.



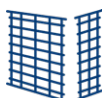
### Industry-Leading Install Clearances

Optimized for tight spaces, the Connect Series heat pump clearance requires just 4" in the back and 14" in the front.



### External Service Valves

All units come with external service valves and redesigned adapters - ready for brazing or cut-and-flare brazeless connections.



### Factory Coil Guards

Factory-installed coil guards come standard on every unit.



### Push & Lock Thermostat Terminal Block

Speeds up wiring and reduces installation time with no tools required!



### Integrated Handles

Make moving and positioning the unit easier during installation.



### Single Fan Design

Replaces the bulk of dual-fan systems, reducing cabinet size for tighter installs and easier handling.



### Indoor Unit Flexibility

With over 400 AHRI certified matches, the Connect Series is compatible with GE Appliances air handlers, evaporator coils, and gas furnaces as well as third-party models.



### 24V Thermostat Compatible

Works with standard 24V thermostats - no proprietary controls or adapters required.

## Easier To: Close The Sale



### Quiet Operation

With quiet operation as low as 57 dB\*\*, homeowners can rest easy knowing their comfort won't be compromised by disruptive noise.



### Ten-Year Limited Warranty

Double the standard five-year warranty simply by registering the unit, giving your homeowners additional peace of mind. See warranty documentation for complete details.

\*Applies to models NS15H18HA5 and NS15H24HA5.

\*\*Applies to models NS15H30HA5, NS15H36HA5, NS15H42HA5 and NS15H48HA5.

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SOLUTIONS

# Side-Discharge Heat Pumps Specifications



GE APPLIANCES



|                          |                                         | 18K                                            | 24K                                            | 30K                                            | 36K                                            | 42K                                              | 48K                                              | 60K                                              |
|--------------------------|-----------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
|                          | <b>Outdoor Unit</b>                     | <b>NS15H18HA5</b>                              | <b>NS15H24HA5</b>                              | <b>NS15H30HA5</b>                              | <b>NS15H36HA5</b>                              | <b>NS15H42HA5</b>                                | <b>NS15H48HA5</b>                                | <b>NS15H60HA5</b>                                |
|                          | UPC                                     | <b>084691984641</b>                            | <b>084691984696</b>                            | <b>084691984689</b>                            | <b>084691984672</b>                            | <b>084691984665</b>                              | <b>084691984658</b>                              | <b>084691984740</b>                              |
|                          | <b>Indoor Unit</b>                      | <b>NAM24E1TA5S</b>                             | <b>NAM24E1TA5S</b>                             | <b>NAM30E1TA5S</b>                             | <b>NAM36E1TA5S</b>                             | <b>NAM42E1TA5S</b>                               | <b>NAM48E1TA5S</b>                               | <b>NAM60E1TA5S</b>                               |
|                          | UPC                                     | <b>084691968085</b>                            | <b>084691968085</b>                            | <b>084691968177</b>                            | <b>084691968160</b>                            | <b>084691968153</b>                              | <b>084691968146</b>                              | <b>084691968139</b>                              |
| <b>Cooling</b>           | Rated Capacity Btu/hr                   | 18,700                                         | 24,200                                         | 29,600                                         | 35,600                                         | 41,500                                           | 46,500                                           | 53,500                                           |
|                          | Capacity Range Btu/hr                   | 7,300-18,700                                   | 10,200-24,200                                  | 13,000-29,600                                  | 15,300-35,600                                  | 15,100-41,500                                    | 17,100-46,500                                    | 15,000-53,500                                    |
|                          | SEER2                                   | 16.1                                           | 17.5                                           | 16.2                                           | 16.4                                           | 16.8                                             | 16.9                                             | 16.1                                             |
|                          | EER2                                    | 10.6                                           | 9.3                                            | 11                                             | 9.7                                            | 9.6                                              | 9.8                                              | 9.5                                              |
|                          |                                         |                                                |                                                |                                                |                                                |                                                  |                                                  |                                                  |
| <b>Heating</b>           | Rated Capacity Btu/hr                   | 18,400                                         | 25,000                                         | 30,600                                         | 35,400                                         | 43,500                                           | 46,500                                           | 54,000                                           |
|                          | Heating Capacity Range Btu/hr           | 6,500-18,400                                   | 7,200-25,000                                   | 12,000-30,600                                  | 13,400-35,400                                  | 11,300-43,500                                    | 16,500-46,500                                    | 15,600-54,000                                    |
|                          | HSPF2 (IV)                              | 8.7                                            | 8.9                                            | 8.7                                            | 8.6                                            | 8.8                                              | 9.2                                              | 8.7                                              |
|                          | Electric Backup Heat Kits               | Yes                                            | Yes                                            | Yes                                            | Yes                                            | Yes                                              | Yes                                              | Yes                                              |
|                          | Capacity Ratio 5°F/47°F                 | 73%                                            | 75%                                            | 64%                                            | 62%                                            | 64%                                              | 64%                                              | 68%                                              |
|                          | COP @ 5°F                               | 1.9                                            | 1.9                                            | 1.9                                            | 2.2                                            | 2                                                | 2.2                                              | 1.9                                              |
| <b>Operating Range</b>   | Cooling °F                              | 40~125°F (5~52°C)                              | 40~125°F (5~52°C)                              | 40~125°F (5~52°C)                              | 40~125°F (5~52°C)                              | 40~125°F (5~52°C)                                | 40~125°F (5~52°C)                                | 40~125°F (5~52°C)                                |
|                          | Heating                                 | 0~75°F (-18~24°C)                              | 0~75°F (-18~24°C)                              | 0~75°F (-18~24°C)                              | 0~75°F (-18~24°C)                              | 0~75°F (-18~24°C)                                | 0~75°F (-18~24°C)                                | 0~75°F (-18~24°C)                                |
| <b>Power Supply</b>      | Voltage, Cycle, Phase (V/Hz/-)          | 208-230/60/1                                   | 208-230/60/1                                   | 208-230/60/1                                   | 208-230/60/1                                   | 208-230/60/1                                     | 208-230/60/1                                     | 208-230/60/1                                     |
|                          | MCA A                                   | 18                                             | 18                                             | 20                                             | 20                                             | 26                                               | 26                                               | 32                                               |
|                          | MOP A                                   | 20                                             | 20                                             | 30                                             | 30                                             | 35                                               | 35                                               | 40                                               |
|                          | Breaker Size A (Outdoor/Indoor)         | 20                                             | 20                                             | 30                                             | 30                                             | 35                                               | 35                                               | 40                                               |
| <b>Outdoor Unit</b>      | Outdoor Noise Level dB                  | 58                                             | 58                                             | 57                                             | 57                                             | 57                                               | 57                                               | 62                                               |
|                          | Dimension: H x W x D in (mm)            | 27 9/16 x 35 1/16 x 13 3/8 (700 x 890 x 340)   | 27 9/16 x 35 1/16 x 13 3/8 (700 x 890 x 340)   | 30 1/8 x 36 1/4 x 14 5/8 (765 x 920 x 372)     | 30 1/8 x 36 1/4 x 14 5/8 (765 x 920 x 372)     | 33 1/16 x 41 3/8 x 15 3/4 (840 x 1050 x 400)     | 33 1/16 x 41 3/8 x 15 3/4 (840 x 1050 x 400)     | 33 1/16 x 41 3/8 x 15 3/4 (840 x 1050 x 400)     |
|                          | Carton Dimension: H x W x D in (mm)     | 35 5/16 x 42 1/8 x 17 15/16 (897 x 1070 x 455) | 35 5/16 x 42 1/8 x 17 15/16 (897 x 1070 x 455) | 37 5/8 x 43 5/16 x 19 13/16 (955 x 1100 x 503) | 37 5/8 x 43 5/16 x 19 13/16 (955 x 1100 x 503) | 40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520) | 40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520) | 40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520) |
|                          | Weight (Net/Ship) - lbs (kg)            | 112/145 (50.8/65.8)                            | 112/145 (50.8/65.8)                            | 138/175 (62.6/79.4)                            | 138/175 (62.6/79.4)                            | 178/223 (80.7/101.2)                             | 179/224 (81.2/101.6)                             | 211/255 (95.7/115.7)                             |
|                          | Defrost Modes                           | Default / Strong                               | Default / Strong                               | Default / Strong                               | Default / Strong                               | Default / Strong                                 | Default / Strong                                 | Default / Strong                                 |
|                          | Required Installation Clearance in (mm) | 4 (102) Rear 14 (356) Front                    | 4 (102) Rear 14 (356) Front                    | 4 (102) Rear 14 (356) Front                    | 4 (102) Rear 14 (356) Front                    | 4 (102) Rear 14 (356) Front                      | 4 (102) Rear 14 (356) Front                      | 4 (102) Rear 14 (356) Front                      |
|                          | Basepan Heater                          | N/A                                            | N/A                                            | N/A                                            | N/A                                            | N/A                                              | N/A                                              | N/A                                              |
| <b>Indoor Unit</b>       | Fan Motor                               | ECM                                            | ECM                                            | ECM                                            | ECM                                            | ECM                                              | ECM                                              | ECM                                              |
|                          | Airflow CFM                             | 600                                            | 865                                            | 985                                            | 1,240                                          | 1,255                                            | 1,515                                            | 1,660                                            |
|                          | Metering Device                         | TXV                                            | TXV                                            | TXV                                            | TXV                                            | TXV                                              | TXV                                              | TXV                                              |
|                          | Maximum Static Pressure W.C.            | 0.8                                            | 0.8                                            | 0.8                                            | 0.8                                            | 0.8                                              | 0.8                                              | 0.8                                              |
|                          | Dimension: H x W x D in (mm)            | 45 1/2 x 18 1/2 x 22 (1156 x 470 x 559)        | 45 1/2 x 18 1/2 x 22 (1156 x 470 x 559)        | 47 x 18 1/2 x 22 (1194 x 470 x 559)            | 53 5/8 x 21 1/2 x 22 (1362 x 546 x 559)        | 54 3/8 x 21 1/2 x 22 (1381 x 546 x 559)          | 55 x 21 1/2 x 22 (1397 x 546 x 559)              | 59 3/4 x 21 1/2 x 22 (1518 x 546 x 559)          |
|                          | Carton Dimension: H x W x D in (mm)     | 49 x 27 x 22 13/16 (1245 x 686 x 579)          | 49 x 27 x 22 13/16 (1245 x 686 x 579)          | 48 x 21 1/8 x 25 11/16 (1219 x 537 x 652)      | 56 1/8 x 23 13/16 x 25 3/8 (1426 x 605 x 645)  | 63 5/8 x 23 13/16 x 25 3/8 (1616 x 605 x 645)    | 57 1/2 x 23 13/16 x 25 3/8 (1461 x 605 x 645)    | 62 5/16 x 23 13/16 x 25 3/8 (1583 x 605 x 645)   |
|                          | Weight (Net/Ship) - lbs (kg)            | 121/127                                        | 121/127                                        | 127/133                                        | 155/169 (70/77)                                | 160/169                                          | 177/179 (80/81)                                  | 177/190 (80/87)                                  |
| <b>Control</b>           | Control Voltage                         | 24V                                            | 24V                                            | 24V                                            | 24V                                            | 24V                                              | 24V                                              | 24V                                              |
|                          | Thermostat Connections                  | R, C, Y1, Y2, W1, O                            | R, C, Y1, Y2, W1, O                            | R, C, Y1, Y2, W1, O                            | R, C, Y1, Y2, W1, O                            | R, C, Y1, Y2, W1, O                              | R, C, Y1, Y2, W1, O                              | R, C, Y1, Y2, W1, O                              |
| <b>Refrigerant Lines</b> | Refrigerant                             | R454B                                          | R454B                                          | R454B                                          | R454B                                          | R454B                                            | R454B                                            | R454B                                            |
|                          | Lineset Size (Suction, Discharge) In.   | 3/4, 3/8                                       | 3/4, 3/8                                       | 3/4, 3/8                                       | 3/4, 3/8                                       | 7/8, 3/8                                         | 7/8, 3/8                                         | 7/8, 3/8                                         |
|                          | Lineset Charge Ft/m                     | 15 / 4.57                                      | 15 / 4.57                                      | 15 / 4.57                                      | 15 / 4.57                                      | 15 / 4.57                                        | 15 / 4.57                                        | 15 / 4.57                                        |
|                          | Maximum Line Length Ft/m                | 150 / 45                                       | 150 / 45                                       | 150 / 45                                       | 150 / 45                                       | 100 / 30                                         | 100 / 30                                         | 100 / 30                                         |
|                          | Maximum Height Ft/m                     | 50 / 15                                        | 50 / 15                                        | 50 / 15                                        | 50 / 15                                        | 50 / 15                                          | 50 / 15                                          | 50 / 15                                          |