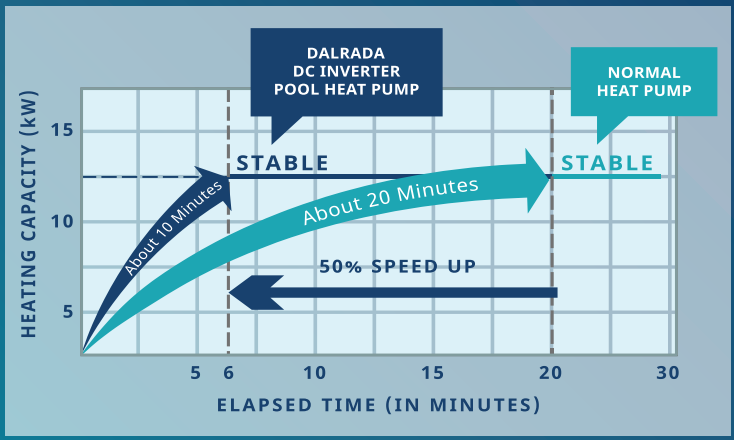
## Speed Up Heating Time By 50%

Once the heat pump is on, Dalrada inverter units quickly and automatically choose the best compressor and fan motor operating frequencies and the heat pump EEV, according to the heating or cooling demand. This is done through smart inverter control technology, resulting in up to 50% reduced heating time when compared to traditional heat pumps.




## Neighbor-Friendly, Super Quiet Heat Pumps

# R32 Pool Series Specifications

| Model | Units | DH32-7FP | DH32-11FP | DH32-18FP | DH32-27FP |
|---|---|---|---|---|---|
| Pool Volume Capacity | GAL | 7500 | 11500 | 19800 | 31500 |
| Power Supply | V/PH/PZ | 230/1/60 | | | |
| Operating Air Temperature | °C (°F) | -15°~43° (5°-109°) | | | |
| Heating Performance Condition: Air 26°C (80°F), Water 26°C (80°F), Humidity 80% | | | | | |
| Heating capacity in Booster mode | BTU | 30708 | 44356 | 71652 | 110890 |
| | kW | 9 | 13 | 21 | 32.5 |
| Heating capacity | | 7.5 | 11 | 18 | 27.5 |
| COP in Booster mode | | 6 | 6.4 | 6.1 | 6.4 |
| COP | | 14.8~6.6 | 14.9~7.0 | 15.9~6.7 | 15.5~7.2 |
| COP at 50% capacity | | 10.6 | 10.5 | 11.2 | 11.5 |
| Heating Performance Condition: Air 15°C (59°F), Water 26°C (80°F), Humidity 70% | | | | | |
| Heating capacity in Booster mode | BTU | 23201.6 | 31731.6 | 49474 | 73358 |
| | kW | 6.8 | 9.3 | 14.5 | 21.5 |
| Heating capacity | | 5.7 | 7.8 | 12.5 | 18.5 |
| COP in Booster mode | | 4.2 | 4.3 | 4.2 | 4.6 |
| COP | | 7.4~4.6 | 7.5~4.8 | 7.8~4.5 | 7.8~5.2 |
| COP at 50% capacity | | 6.4 | 6.8 | 6.6 | 7 |
| Cooling Performance Condition: Air 26°C (80°F), Water 26°C (80°F), Humidity 80% | | | | | |
| Cooling capacity | BTU | 11942 | 17401.2 | 26613.6 | 43332.4 |
| | kW | 3.5 | 5.1 | 7.8 | 12.7 |
| Sound pressure at 1m dB(A) | | 37.8~44.2 | 38.6~46.9 | 42.9~50.8 | 43.3~53.9 |
| Sound pressure of 50% capcaity at 1m dB(A) | | 21.5 | 41.3 | 44.5 | 46.4 |
| Sound pressure at 10m dB(A) | | 17.7~24.2 | 18.6~26.9 | 22.9~30.8 | 23.3~31.9 |
| Heat Exchanger | | Spiral Titanium Tube in PVC | | | |
| Casing | | Plastic Casing | | | Galvanized Metal Casing |
| Rated Power Input at air 15°C (°59F) (kW) | | 0.18~1.13 | 0.26~1.52 | 0.43~2.61 | 0.64~5.12 |
| Rated Power Input at air 15°C (°59F) (A) | | 0.78~4.91 | 1.13~6.61 | 1.87~11.35 | 2.78~23.2 |
| Advised water flux ($m^3/h$) | | 2~4 | 3~4 | 6.5~8.5 | 10~12 |
| Water pipe in-out size (mm) | | 50 | | | |
| Refrigerant | | R32 | | | |
| Unit Net Dimensions (L/M/H) (in) | | 36.6”/14.2”/21.7” | 39.8”/14.6”/24.4” | 43.9”/18.5”/37.5” | 43.9”/18.5”/49.2” |
| Unit Shipping Dimensions (L/M/H) (in) | | 40.7”/15.6”/23.1” | 43.1”/15.9”/25.6” | 47.4”/20.7”/38.4” | 47.4”/20.7”/50.3” |
| Net Weight (lbs) | | 117 | 139 | 238 | 276 |
| Shipping Weight (lbs) | | 128 | 148 | 256 | 298 |

*The data contained in this informational brochure may be subject to updates or modifications based upon any product improvements or revisions.