

Tropical Application

Cooling Only Application

| Tonnage | | 6.2 | 7.5 | 8.5 | 10 | 12.5 | |
|------------------------|----------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|----------------|
| Model | | APSDU-062DXZ1-S(D) | APSDU-075DXZ1-S(D) | APSDU-085DXZ1-S(E) | APSDU-100DXZ1-S(E) | APSDU-125DXZ1-S(D) | |
| Power Supply | | V,Ph,Hz 380~415V,3Ph,50Hz | | | | | |
| Cooling | Cooling Capacity (1) | kW | 22.0 | 26.0 | 30.0 | 35.0 | 43.0 |
| | Power Input (1) | kW | 6.5 | 7.7 | 9.0 | 10.5 | 13.0 |
| | EER (1) | Btu/h/W | 11.6 | 11.5 | 11.4 | 11.4 | 11.5 |
| Cooling | Cooling Capacity (2) | kW | 18.0 | 20.4 | 23.7 | 29.4 | 36.8 |
| | Power Input (2) | kW | 7.7 | 8.7 | 10.1 | 12.5 | 15.9 |
| | EER (2) | Btu/h/W | 8.0 | 8.0 | 8.0 | 8.0 | 7.9 |
| Max. input consumption | | kW | 9.0 | 12.5 | 14.8 | 17.8 | 21.0 |
| Max. current | | A | 19.3 | 27.2 | 29.2 | 34.1 | 41.2 |
| Performance | Indoor fan air flow | CFM | 2800 | 2830 | 3500 | 4100 | 5500 |
| | ESP | Pa | 80 | 80 | 80 | 90 | 110 |
| Indoor Coil | Number of rows | | 4 | 3 | 4 | 4 | 4 |
| | Fin spacing | mm | 1.3 | 1.3 | 1.5 | 1.5 | 1.3 |
| | | FPI | 19 | 19 | 17 | 17 | 19 |
| | Tube diameter | mm | 7 | 7 | 7 | 7 | 7 |
| inch | | 9/32 | 9/32 | 9/32 | 9/32 | 9/32 | |
| Indoor fan | Type | | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Direct | Direct | Belt | Belt | Belt |
| | Motors quantity | | 1 | 1 | 1 | 1 | 1 |
| Compressor | Type | | Scroll | Scroll | Scroll | Scroll | Scroll |
| | Quantity | | 1 | 1 | 2*1 | 2*1 | 2 |
| | Brand | | Copeland | Danfoss | Copland | Copland | Copland |
| | Capacity | Btu/h | 58345 | 89053 | 52784*2/102000 | 58345*2/120500 | 49986+102018 |
| Refrigerant oil charge | ml | 1656 | 2400 | 1300x2/2395 | 1300x2/3134 | 1656+2513 | |
| Outdoor Coil | Number of rows | | 2.5 | 3 | 2.5 | 2.5 | 3 |
| | Fin spacing | mm | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | FPI | 17 | 17 | 17 | 17 | 17 |
| | Tube diameter | mm | 7 | 7 | 7 | 7 | 7 |
| inch | | 9/32 | 9/32 | 9/32 | 9/32 | 9/32 | |
| Outdoor Fan | Type | | Propeller | Propeller | Propeller | Propeller | Propeller |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Direct | Direct | Direct | Direct | Direct |
| | Motor quantity | | 1 | 1 | 1 | 1 | 1 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Refrigerant volume | kg | 4 | 3.7 | 2.25+2.25/4.2 | 2.3+2.3/4.2 | 1.7+2.8 |
| | Refrigerant Control | | Piston | Piston | Piston | Piston | Piston |
| Net Weight | | kg | 223 | 231 | 331/302 | 335/323 | 433 |
| Gross Weight | | kg | 228 | 236 | 342/313 | 346/335 | 453 |
| Net Dimension | WxHxD | mm | 1475x840x1130 | 1475x840x1130 | 1483x1138x1231 | 1483x1138x1231 | 1965x1230x1130 |
| Packing | WxHxD | mm | 1497x867x1152 | 1497x867x1152 | 1492x1248x1146 | 1492x1248x1146 | 1990x1260x1140 |

Notes:
The data are based on the following conditions:
Cooling and Power input : (1) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
(2) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.
Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.

Cooling Only Application

| Tonnage | | 15 | 17.5 | 20 | 25 | 30 | |
|------------------------|----------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|----------------|
| Model | | APSDU-150DXZ1-S(D) | APSDU-175DXZ1-S(D) | APSDU-200DXZ1-S(D) | APSDU-250DXZ1-S(D) | APSDU-300DXZ1-S(D) | |
| Power Supply | | V,Ph,Hz 380~415V,3Ph,50Hz | | | | | |
| Cooling | Cooling Capacity (1) | kW | 53.0 | 61.0 | 70.0 | 87.0 | 105.0 |
| | Power Input (1) | kW | 15.9 | 18.6 | 21.6 | 27.5 | 33.3 |
| | EER (1) | Btu/h/W | 11.3 | 11.2 | 11.1 | 10.9 | 10.8 |
| Cooling | Cooling Capacity (2) | kW | 42.8 | 53.9 | 58.6 | 73.8 | 98.6 |
| | Power Input (2) | kW | 18.5 | 22.8 | 25.1 | 32.4 | 42.6 |
| | EER (2) | Btu/h/W | 7.9 | 8.1 | 8.0 | 7.8 | 7.9 |
| Max. input consumption | | kW | 25.0 | 28.6 | 34.0 | 42.0 | 49.0 |
| Max. current | | A | 48 | 55 | 66.9 | 77.4 | 94.1 |
| Performance | Indoor fan air flow | CFM | 7000 | 7600 | 8800 | 10000 | 12000 |
| | ESP | Pa | 110 | 110 | 120 | 130 | 270 |
| Indoor Coil | Number of rows | | 4 | 3 | 4 | 4 | 4 |
| | Fin spacing | mm | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| | | FPI | 19 | 19 | 19 | 16 | 16 |
| | Tube diameter | mm | 7 | 7 | 7 | 8 | 8 |
| inch | | 9/32 | 9/32 | 9/32 | 5/16 | 5/16 | |
| Indoor fan | Type | | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Belt | Belt | Belt | Belt | Belt |
| | Motors quantity | | 1 | 1 | 1 | 1 | 1 |
| Compressor | Type | | Scroll | Scroll | Scroll | Scroll | Scroll |
| | Quantity | | 2 | 2 | 2 | 2 | 2 |
| | Brand | | Copeland | Copeland | Copeland | Danfoss | Danfoss |
| | Capacity | Btu/h | 49986+120500 | 102018*2 | 120500*2 | 132386*2 | 152383*2 |
| Refrigerant oil charge | ml | 1656+3253 | 2513x2 | 3253x2 | 3300x2 | 3600x2 | |
| Outdoor Coil | Number of rows | | 3.5 | 2.5 | 3 | 3+2 | 3+3 |
| | Fin spacing | mm | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | FPI | 16 | 17 | 17 | 17 | 17 |
| | Tube diameter | mm | 8 | 7 | 7 | 7 | 7 |
| inch | | 5/16 | 9/32 | 9/32 | 9/32 | 9/32 | |
| Outdoor Fan | Type | | Propeller | Propeller | Propeller | Propeller | Propeller |
| | Quantity | | 1 | 2 | 2 | 2 | 2 |
| | Drive type | | Direct | Direct | Direct | Direct | Direct |
| | Motor quantity | | 1 | 2 | 2 | 2 | 2 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Refrigerant volume | kg | 2.25+3.9 | 3.7+3.7 | 5.65+5.65 | 6.0+6.0 | 7.6+7.6 |
| | Refrigerant Control | | Piston | Piston | Piston | Capillary | Capillary |
| Net Weight | | kg | 470 | 590 | 670 | 895 | 910 |
| Gross Weight | | kg | 490 | 620 | 700 | 925 | 940 |
| Net Dimension | WxHxD | mm | 1965x1230x1130 | 2192x1247x1670 | 2192x1247x1670 | 2220x1245x2320 | 2220x1245x2320 |
| Packing | WxHxD | mm | 1990x1260x1140 | 2212x1284x1695 | 2212x1284x1695 | 2230x1275x2330 | 2230x1275x2330 |

Notes:
The data are based on the following conditions:
Cooling and Power input : (1) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.
(2) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.
Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.

Standard Application

Cooling & Heating

| Tonnage | | 6.2 | 7.5 | 8.5 | 10 | 12.5 | |
|------------------------|------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|----------------|
| Model | | APSD-062YXZ1-S(D) | APSD-075YXZ1-S(D) | APSD-085YXZ1-S(D) | APSD-100YXZ1-S(D) | APSD-125YXZ1-S(D) | |
| Power Supply | | V,Ph,Hz 380~415V,3Ph,50Hz | | | | | |
| Cooling | Cooling Capacity | kW | 22.0 | 26.0 | 30.0 | 35.0 | 43.0 |
| | Power Input | kW | 6.6 | 7.9 | 9.3 | 10.7 | 13.3 |
| Heating | Heating Capacity | kW | 26 | 30 | 35 | 40 | 45 |
| | Power Input | kW | 7.5 | 8.9 | 10.6 | 11.9 | 13.2 |
| Max. input consumption | | kW | 8.6 | 12.0 | 13.6 | 15.0 | 19.7 |
| Max. current | | A | 18.3 | 24.8 | 26.5 | 28.8 | 38.2 |
| Performance | Indoor fan air flow | CFM | 2800 | 2830 | 3500 | 4100 | 5500 |
| | ESP | Pa | 80 | 80 | 80 | 90 | 110 |
| | EER | Btu/h/W | 11.4 | 11.3 | 11.1 | 11.2 | 11.3 |
| | COP | Btu/h/W | 11.8 | 11.6 | 11.3 | 11.5 | 11.7 |
| Indoor Coil | Number of rows | | 4 | 3 | 4 | 4 | 4 |
| | Fin spacing | mm | 1.3 | 1.3 | 1.5 | 1.5 | 1.3 |
| | | FPI | 19 | 19 | 17 | 17 | 19 |
| | Tube diameter | mm | 7 | 7 | 7 | 7 | 7 |
| inch | | 9/32 | 9/32 | 9/32 | 9/32 | 9/32 | |
| Indoor fan | Type | | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Direct | Direct | Belt | Belt | Belt |
| | Motors quantity | | 1 | 1 | 1 | 1 | 1 |
| Compressor | Type | | Scroll | Scroll | Scroll | Scroll | Scroll |
| | Quantity | | 1 | 1 | 2 | 2 | 2 |
| | Brand | | Copeland | Danfoss | Hitachi | Hitachi | Copeland |
| | Capacity | Btu/h | 58345 | 89053 | 52784×2 | 58345×2 | 49986+102018 |
| | Refrigerant oil charge | ml | 1656 | 2400 | 1300×2 | 1300×2 | 1656+2513 |
| Outdoor Coil | Number of rows | | 2.5 | 3 | 2.5 | 2.5 | 3 |
| | Fin spacing | mm | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | FPI | 17 | 17 | 17 | 17 | 17 |
| | Tube diameter | mm | 7 | 7 | 7 | 7 | 7 |
| inch | | 9/32 | 9/32 | 9/32 | 9/32 | 9/32 | |
| Outdoor Fan | Type | | Propeller | Propeller | Propeller | Propeller | Propeller |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Direct | Direct | Direct | Direct | Direct |
| | Motors quantity | | 1 | 1 | 1 | 1 | 1 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Refrigerant volume | kg | 5 | 4.8 | 2.5+2.5 | 2.6+2.6 | 2.1+3.4 |
| | Refrigerant Control | | Piston | Piston | Piston | Piston | Piston |
| Net Weight | | kg | 229 | 244 | 340 | 343 | 451 |
| Gross Weight | | kg | 234 | 249 | 350 | 354 | 471 |
| Net Dimension | WxHxD | mm | 1475x840x1130 | 1475x840x1130 | 1483x1138x1231 | 1483x1138x1231 | 1965x1230x1130 |
| Packing | WxHxD | mm | 1497x867x1152 | 1497x867x1152 | 1492x1248x1146 | 1492x1248x1146 | 1990x1260x1140 |

Notes:

The data is based on the following conditions:

Cooling :Indoor temperature: 26.7°C(80°F) DB, 19.4°C(66.9°F) WB; Outdoor temperature: 35°C(95°F).

Heating :Indoor temperature: 20°C(68°F) DB, 15°C(59°F) WB; Outdoor temperature: 7°C(44.6°F) DB, 6°C(42.8°F) WB.

Cooling & Heating

| Tonnage | | 15 | 17.5 | 20 | 25 | 30 | |
|------------------------|------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|----------------|
| Model | | APSD-150YXZ1-S(D) | APSD-175YXZ1-S(D) | APSD-200YXZ1-S(D) | APSD-250YXZ1-S(D) | APSD-300YXZ1-S(D) | |
| Power Supply | | V,Ph,Hz 380~415V,3Ph,50Hz | | | | | |
| Cooling | Cooling Capacity | kW | 53.0 | 61.0 | 70.0 | 87.0 | 105.0 |
| | Power Input | kW | 16.7 | 19.1 | 22.6 | 28.85 | 35.29 |
| Heating | Heating Capacity | kW | 56 | 64 | 75 | 97.0 | 111.5 |
| | Power Input | kW | 17.2 | 19.5 | 23.6 | 30.28 | 35.19 |
| Max. input consumption | | kW | 25.0 | 27.0 | 32.5 | 38.5 | 42.7 |
| Max. current | | A | 46.1 | 55.4 | 63.2 | 74.3 | 81.7 |
| Performance | Indoor fan air flow | CFM | 7000 | 7600 | 8800 | 10000 | 120000 |
| | ESP | Pa | 110 | 110 | 120 | 130 | 270 |
| | EER | Btu/h/W | 10.8 | 10.9 | 10.6 | 10.4 | 10.2 |
| | COP | Btu/h/W | 11.1 | 11.2 | 11 | 10.9 | 10.8 |
| Indoor Coil | Number of rows | | 4 | 3 | 4 | 4 | 4 |
| | Fin spacing | mm | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| | | FPI | 19 | 20 | 20 | 16 | 16 |
| | Tube diameter | mm | 7 | 7 | 7 | 8 | 8 |
| inch | | 9/32 | 9/32 | 9/32 | 5/16 | 5/16 | |
| Indoor fan | Type | | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| | Drive type | | Belt | Belt | Belt | Belt | Belt |
| | Motors quantity | | 1 | 1 | 1 | 1 | 1 |
| Compressor | Type | | Scroll | Scroll | Scroll | Scroll | Scroll |
| | Quantity | | 2 | 2 | 2 | 2 | 2 |
| | Brand | | Copeland | Copeland | Copeland | Danfoss | Danfoss |
| | Capacity | Btu/h | 49986+120500 | 102018×2 | 120500×2 | 132386×2 | 152383×2 |
| | Refrigerant oil charge | ml | 1656+3253 | 2513×2 | 3253×2 | 3300×2 | 3600×2 |
| Outdoor Coil | Number of rows | | 3.5 | 2.5 | 3 | 3+2 | 3+3 |
| | Fin spacing | mm | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | FPI | 16 | 17 | 17 | 16 | 16 |
| | Tube diameter | mm | 8 | 7 | 7 | 8 | 8 |
| inch | | 5/16 | 9/32 | 9/32 | 5/16 | 5/16 | |
| Outdoor Fan | Type | | Propeller | Propeller | Propeller | Propeller | Propeller |
| | Quantity | | 1 | 2 | 2 | 2 | 2 |
| | Drive type | | Direct | Direct | Direct | Direct | Direct |
| | Motors quantity | | 1 | 2 | 2 | 2 | 2 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Refrigerant volume | Kg | 2.85+5.9 | 5.5+5.5 | 6.7+6.7 | 6.0+6.0 | 7.6+7.6 |
| | Refrigerant Control | | Piston | Piston | Piston | Capillary | Capillary |
| Net Weight | | kg | 492 | 615 | 690 | 940 | 955 |
| Gross Weight | | kg | 512 | 645 | 720 | 970 | 985 |
| Net Dimension | WxHxD | mm | 1965x1230x1130 | 2192x1247x1670 | 2192x1247x1670 | 2220x1245x2320 | 2220x1245x2320 |
| Packing | WxHxD | mm | 1990x1260x1140 | 2212x1284x1695 | 2212x1284x1695 | 2230x1275x2330 | 2230x1275x2330 |

Notes:

The data is based on the following conditions:

Cooling :Indoor temperature: 26.7°C(80°F) DB, 19.4°C(66.9°F) WB; Outdoor temperature: 35°C(95°F).

Heating :Indoor temperature: 20°C(68°F) DB, 15°C(59°F) WB; Outdoor temperature: 7°C(44.6°F) DB, 6°C(42.8°F) WB.