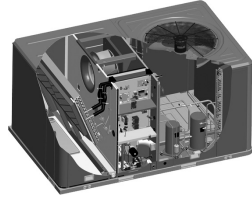


# Quick Reference Guide

## Precedent™ - Standard Efficiency Cooling & Gas/Electric 3 to 10 Tons Packaged Rooftop Units



| Model Number: | Used With:  |
|---------------|---|
| TSC           | Standard Efficiency Cooling Only (Electric Heat Optional) |
| YSC           | Standard Efficiency Gas Heat Unit                         |

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**Table 1. List of factory installed options<sup>(a)</sup>**

|   |  |
|---|--|
| 0-50% Motorized outside air damper                                  | LonTalk® Communication Interface (LCI)         |
| Air-Fi™ Wireless Communication Interface                            | Manual outside air damper                      |
| BACnet® Communication Interface (BCI-R)                             | MERV 8 filters                                 |
| Barometric relief   | MERV 13 filters                                |
| Belt drive motor  | Multiple zone VAV (variable air volume)        |
| Clogged filter switch   | Multi-speed indoor fan system                  |
| CompleteCoat™ (microchannel condenser coil)                         | NOVAR 2024 controls                            |
| Condensate overflow switch  | NOVAR 3051 controls without zone sensor        |
| Crankcase heater  | NOVAR 3051 zone sensor                         |
| Demand control ventilation wiring                                   | NOVAR return air sensor                        |
| Discharge air temperature sensing kit                               | Powered convenience outlet                     |
| Economizer - comparative enthalpy                                   | ReliaTel™ controls                             |
| Economizer - dry bulb   | Single zone variable air volume (SZVAV)        |
| Economizer - low leak, dry bulb                                     | Stainless steel drain pan                      |
| Economizer - reference enthalpy                                     | Stainless steel heat exchanger                 |
| Fan failure switch  | Supply, return, and plenum air smoke detectors |
| Fault detection & diagnostics (FDD); Meets CA Title 24 requirements | Through-the-base electric provision            |
| Frostat™  | Through-the-base gas provision                 |
| Hail guard  | Unit mounted circuit breaker                   |
| Hinged access panels  | Unit mounted non-fused disconnect              |
| Human interface - 5 inch color touchscreen                          | Unpowered convenience outlet                   |

(a) Verify option availability in product catalog.

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**Table 2. Standard efficiency, 3 to 10 ton packaged rooftop performance data (gas or cooling)**

| Nominal Size (Tons)                          | 13 SEER     |             |             | 14 SEER     |             |             | 6           | 7.5 Single Compressor | 7.5 Dual Compressors | 8.5         | 10          |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|-------------|-------------|
|  | 3           | 4           | 5           | 3           | 4           | 5           |             |                       |                      |             |             |
| <b>Cooling Performance</b>                   |             |             |             |             |             |             |             |                       |                      |             |             |
| Supply Air (cfm) <sup>(a)</sup>              | 1,200       | 1,600       | 2,000       | 1,200       | 1,600       | 2,000       | 2,400       | 3,000                 | 3,000                | 3,400       | 4,000       |
| Tot / Sens Cap (MBh) <sup>(b),(c)</sup>      | 37.1/29.9   | 49.0/38.6   | 60.1/49.2   | 37.1/29.9   | 49.0/38.6   | 60.1/49.4   | 75.0/53.2   | 89.0/67.34            | 94.0/69.1            | 102.1/76.7  | 119/92.7    |
| SEER/EER                                     | 13.0        | 13.0        | 13.0        | 14.0        | 14.0        | 14.0        | 11.2        | 11.2                  | 11.2                 | 11.2        | 11.3        |
| IEER <sup>(d)</sup>                          | N/A         | N/A         | N/A         | N/A         | N/A         | N/A         | 13.0        | 12.2                  | 13.0                 | 13.0        | 13.0        |
| <b>Gas Heating Performance<sup>(d)</sup></b> |             |             |             |             |             |             |             |                       |                      |             |             |
| Low Heat (Input/output) - (MBh)              | 60.0/49.2   | 60.0/49.2   | 60.0/49.2   | 60.0/49.2   | 60.0/49.2   | 60.0/49.2   | 80.0/64.0   | 120/96                | 120.0/96.0           | 120.0/96.0  | 150.0/120.0 |
| Medium Heat (Input/output) - (MBh)           | 80.0/65.6   | 80.0/65.6   | 80.0/65.6   | 80.0/65.6   | 80.0/65.6   | 80.0/65.6   | 120.0/96.0  | 150/120               | 150.0/120.0          | 150.0/120.0 | 200.0/160.0 |
| High Heat (Input/output) - (MBh)             | 120.0/98.4  | 120.0/98.4  | 130.0/106.6 | 120.0/98.4  | 120.0/98.4  | 130.0/106.6 | 150.0/120.0 | 200/160               | 200.0/160.0          | 200.0/160.0 | 250.0/200.0 |
| <b>Other Information</b>                     |             |             |             |             |             |             |             |                       |                      |             |             |
| Net Weight (Lbs) - Gas Heat                  | 472         | 492         | 497         | 472         | 492         | 522         | 710         | 767                   | 847                  | 904         | 1058        |
| Net Weight (Lbs) - Electric Heat             | 431         | 452         | 457         | 431         | 452         | 498         | 667         | 686                   | 797                  | 856         | 960         |
| Roof Curb                                    | BAYCURB042A |             |             |             |             |             | BAYCURB043A |                       |                      |             |             |
| Unit Cabinet Size                            | F           |             |             |             |             |             | C           | C                     | D                    | D           | D           |
| Filters <sup>(e)</sup> - Type Furnished      | Throwaway   | Throwaway   | Throwaway   | Throwaway   | Throwaway   | Throwaway   | Throwaway   | Throwaway             | Throwaway            | Throwaway   | Throwaway   |
| Number Size Recommended                      | (2) 20x30x2 | (2) 20x30x2 | (2) 20x30x2 | (2) 20x30x2 | (2) 20x30x2 | (2) 20x30x2 | (4) 16x25x2 | (4) 16x25x2           | (4) 20x25x2          | (4) 20x25x2 | (4) 20x25x2 |

(a) Nominal cfm

(b) Cooling performance is rated at 80/67/95

(c) All units listed utilize 3-phase voltage

(d) SZVAV and multi-speed indoor fan system IEER 7.5T - 15.0, 8.5T - 15.2, 10T, 15.0

(e) Optional 2" MERV 8 and MERV 13 filters also available

**Table 3. Unit MCA & MOP electrical data (standard indoor fan motor) (gas or cooling)<sup>(a)</sup>**

| T/YSC    | Volts     | MCA  | MOP |
|----------|-----------|------|-----|
| 033, 036 | 208-230/3 | 19.9 | 30  |
| 033, 036 | 460/3     | 9.5  | 15  |
| 033, 036 | 575/3     | 7.6  | 15  |
| 043, 048 | 208-230/3 | 25.4 | 35  |
| 043, 048 | 460/3     | 11.0 | 15  |
| 043, 048 | 575/3     | 9.4  | 15  |
| 060      | 208-230/3 | 28.2 | 40  |
| 060      | 460/3     | 12.0 | 15  |
| 060      | 575/3     | 9.9  | 15  |
| 063      | 208-230/3 | 28.3 | 40  |
| 063      | 460/3     | 12.9 | 20  |
| 063      | 575/3     | 10.6 | 15  |
| 072      | 208-230/3 | 36.5 | 50  |
| 072      | 460/3     | 18.2 | 25  |
| 072      | 575/3     | 12.7 | 20  |
| 090      | 208-230/3 | 38.2 | 60  |
| 090      | 460/3     | 19.5 | 30  |
| 090      | 575/3     | 14.7 | 20  |
| 092      | 208-230/3 | 39.3 | 50  |
| 092      | 460/3     | 18.5 | 20  |
| 092      | 575/3     | 15.5 | 20  |
| 102      | 208-230/3 | 43.3 | 50  |
| 102      | 460/3     | 21.4 | 25  |

**Table 3. Unit MCA & MOP electrical data (standard indoor fan motor) (gas or cooling)<sup>(a)</sup>**

| T/YSC | Volts     | MCA  | MOP |
|-------|-----------|------|-----|
| 102   | 575/3     | 16.8 | 20  |
| 120   | 208-230/3 | 50.1 | 60  |
| 120   | 460/3     | 23.5 | 30  |
| 120   | 575/3     | 19.5 | 25  |

(a) For MCA/MOP of units with electric heat, refer to product catalog.

**Table 4. Unit indoor fan data (gas or cooling)**

| T/YSC    | Volts                    | Standard HP - RPM | Oversize HP - RPM |
|----------|--------------------------|-------------------|-------------------|
| 033, 036 | 208-230/3 <sup>(a)</sup> | 3/4 - MULT        | —                 |
| 033, 036 | 460/3 <sup>(a)</sup>     | 3/4 - MULT        | —                 |
| 033, 036 | 575/3 <sup>(a)(b)</sup>  | 3/4 - MULT        | —                 |
| 043, 048 | 208-230/3 <sup>(a)</sup> | 1 - MULT          | —                 |
| 043, 048 | 460/3 <sup>(a)</sup>     | 1 - MULT          | —                 |
| 043, 048 | 575/3 <sup>(a)(b)</sup>  | 1 - MULT          | —                 |
| 063, 060 | 208-230/3 <sup>(a)</sup> | 1 - MULT          | —                 |
| 063, 060 | 460/60/3 <sup>(a)</sup>  | 1 - MULT          | —                 |
| 063, 060 | 575/3 <sup>(a)(b)</sup>  | 1 - MULT          | —                 |
| 072      | 208-230/3                | 1/1750            | 2/1750            |
| 072      | 460/3                    | 1/1750            | 2/1750            |
| 072      | 575/3                    | 1/1750            | 2/1750            |
| 090      | 208-230/3                | 1/1750            | 3/1750            |
| 090      | 460/3                    | 1/1750            | 3/1750            |
| 090      | 575/3                    | 1/1750            | 3/1750            |

**Table 4. Unit indoor fan data (gas or cooling)**

| T/YSC | Volts                 | Standard HP - RPM | Oversize HP - RPM |
|-------|-----------------------|-------------------|-------------------|
| 092   | 208-230/3             | 1/1750            | 3/1750            |
| 092   | 460/3                 | 1/1750            | 3/1750            |
| 092   | 575/3                 | 1/1750            | 3/1750            |
| 102   | 208-230/3             | 2/1750            | 3/1750            |
| 102   | 460/3                 | 2/1750            | 3/1750            |
| 102   | 575/3                 | 2/1750            | 3/1750            |
| 120   | 208-230/3             | 3/4 - MULT        | —                 |
| 120   | 460/3                 | 3.6 - MULT        | —                 |
| 120   | 575 <sup>(a)(c)</sup> | 3.6 - MULT        | —                 |

(a) Direct drive motor

(b) Powered through 575/230V transformer

(c) Powered through 575/480V transformer

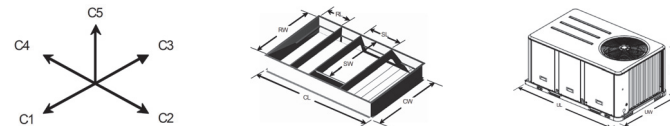
**Table 5. Unit dimensional data**

|                | C      | D      | F        |
|----------------|--------|--------|----------|
| Unit Length UL | 88 5/8 | 88 5/8 | 69 7/8   |
| Unit Width UW  | 53 1/4 | 53 1/4 | 44 1/4   |
| Unit Height UH | 40 7/8 | 46 7/8 | 40 7/8   |
| Clearance C1   | 48     | 48     | 48       |
| Clearance C2   | 36     | 36     | 36       |
| Clearance C3   | 36     | 36     | 36       |
| Clearance C4   | 36     | 36     | 36       |
| Clearance C5   | 72     | 72     | 72       |
| Curb Length CL | 84 1/2 | 84 1/2 | 65 13/16 |

**Table 5. Unit dimensional data**

|                                 | C      | D      | F        |
|---------------------------------|--------|--------|----------|
| Curb Width CW                   | 50 3/8 | 50 3/8 | 41 7/16  |
| Supply Length SL <sup>(a)</sup> | 18 1/2 | 18 1/2 | 16 3/4   |
| Supply Width SW <sup>(a)</sup>  | 34 3/8 | 34 3/8 | 17 7/8   |
| Return Length RL <sup>(a)</sup> | 18 1/4 | 18 1/4 | 14 19/16 |
| Return Width RW <sup>(a)</sup>  | 34 3/8 | 34 3/8 | 25 3/16  |

(a) Dimensions are for curb openings and not duct inserts. Reference the product catalog for duct insert dimensions.



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