

# June Product Update Call

June 13, 2022

# Agenda

- Light Commercial – Cristian Daily
- Residential Packages – Charles Trammell
- Coils – Austin Leigh
- Outdoor & DOE Update – Mark Woodruff

BUILT TO A HIGHER STANDARD.

# Light Commercial

**Cristian Daily – Product Manager**

# Next Gen DOE 2023 Product Information



HUB

Home Products Communities Discussions Help

• Or Scan the Code:



Unitary Launch Pad  
in Unitary Products ▾

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Unitary Launch Pad Home Activity Content

## VOYAGER 3 LAUNCH INFO (V3-LAUNCH)

📎 Large Rooftop Launch & Transition Timing

All content

## I-PAK-1 LAUNCH INFO. (IP1-LAUNCH)

📎 Large Rooftop Launch & Transition Timing

📎 I-PAK-1 2023 Sales Training Deck For Field.pptx

📎 IPAK 1 February Launch Announcement

📄 I-PAK-1 with Symbio Control Launch - Frequently Asked Questions

📄 To Select the New IntelliPak-1, follow these instructions.

All content

## I-PAK-2 LAUNCH INFO (IP2-LAUNCH)

📎 Large Rooftop Launch & Transition Timing

All content

## DOCUMENT VIEWER



## NEXT GEN. PRECEDENT LAUNCH INFO (NGP-LAUNCH)

📎 Features and Benefits 6-25 Ton Precedent Rooftops.pptx

📎 VOC Drivers 6-25 Ton Precedent Rooftops.pptx

📎 Modulating Dehumidification 6-25 Ton Precedent Rooftops.pptx

📎 Footprint Curb Adapters 6-25 Ton Precedent Rooftops.pptx

📎 Product Nomenclature 6-25 Ton Precedent Rooftops.pptx

📎 Warranty Improvements 6-25 Ton Precedent Rooftops.pptx

📎 Four Cs Overview 6-25 Ton Precedent Rooftops.pptx

📎 Launch Timing 6-25 Ton Precedent Rooftops.pptx

📎 2023 Regulatory Requirements 6-25 Ton Precedent Rooftops.pptx

All content

## ODYSSEY LAUNCH INFO (ODY-LAUNCH)

📎 DOE 2023 Regulatory Changes - Odyssey

All content

## Light Commercial Unitary – Configured Product Last Order Dates

**CONTACT:** Light Commercial Product Support

**WHAT'S HAPPENING:** The 1/1/2023 US Department of Energy instituted increases in the minimum efficiency levels for both cooling and heating subsystems will impact Light Commercial Products. Order cutoff dates for configured products have been set for the following dates:

- **Precent/Voyager – June 2<sup>nd</sup>**
  - T/YHC072-120F
  - T/YSC072-120H
  - WSC072-120H
  - T/YH\*150-300G
  - T/YS\*150-300G
  - WS\*15-240G
- **All of Odyssey - September 9th**
  - TTA/TWA072-300, digit 14=A
  - TWE072-300, digit 14-A
- **Foundation -TBD**
  - Large Foundation (15-25T)
  - Medium Foundation (7.5-12.5T)

**WHY THIS MATTERS TO YOU:** Products listed above do not comply with new regulations and will be replaced starting 1/1/2023. In order to give adequate time for all orders of configured product to be manufactured before this 1/1/2023, order cutoff dates have been established. Allocations will be in place based on historical order volumes to ensure equal distribution amongst customers. Basestock models i.e., 0000\* will remain on until inventory is depleted.

**ACTION NEEDED:** Please get your last order dates of configure products before these dates listed above.

\* DOE no longer measures EER (full load), but this measure will remain in some states, municipalities, and by some utilities

# Next Gen Precedent 6-25T

## Heat Pumps

- WSC072-120J – **August**
- WSJ150-300A - **August**

## 15-25T Base models

- T/YSJ180-300- Next gen base models not available at this time, only configured. Base models must order Large Foundation
- This includes models with an economizer

## Legacy Base models

- Remain on to order only from express warehouses
- Only order after confirming inventory is available



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# Residential Packages

## Charles Trammell

# DOE 2023 Changes to Testing's & Ratings

- Minimum efficiencies are changing.
- A new and more challenging test procedure was created, making it more difficult to achieve the new minimum efficiencies and reducing the ratings of existing systems. When tested using the new standard, existing equipment will not achieve the same ratings as they do today.














## 2023 DOE Minimums

Product	Static Test Point	National		
		SEER2	HSPF2	EER2
Air Conditioner	0.5" (was 0.1"-0.2")	13.4 (was 14)		10.6 ( was 11)
Gas Electric	0.5" (was 0.1"-0.2")	13.4 (was 14)		10.6 ( was 11)
Dual Fuel	0.5" (was 0.1"-0.2")	13.4 (was 14)	6.7 (was 8.0)	10.6 ( was 11)
Heat Pump	0.5" (was 0.1"-0.2")	13.4 (was 14)	6.7 (was 8.0)	10.6 ( was 11)










DOE 2023 is by 'manufactured date' for residential packaged units, so you will be able to 'sell thru' old inventories after 1/1/2023.



# The Current Res Package Portfolio

Performance (1-Phase)	Platinum 16 SEER 2-Stage Compressor 2-Stage Gas Heat Variable Speed Indoor Motor			
	 Y CZ6	 W CZ6	 D CZ6	
	 Y CY5	 W CY5		 T CY5
	 Y CC4	 W CC4 / 4 WHC	 D CY4	 T CC4
	 M4PG4 (Ameristar)	 4WCA4 (Ameristar)		 4TCA4 (Ameristar)
	Gas Electric	Heat Pump	Dual Fuel	Air Conditioner

# Proposed DOE 2023 Package Portfolio

Performance (1-Phase)	<b>15 SEER2/ &gt;6.7 HSPF2</b> <u>(2-5 Tonnages)</u> 2-Stage Compressor 2-Stage Gas Heat ECM Variable Speed Indoor Motor				
		<b>YCZ5</b>	<b>WCZ5</b>	<b>DCZ5</b>	
	<b>13.4 SEER2/ &gt;6.7 HSPF2</b> <u>(2-5 Tonnages)</u> 1-Stage Compressor 1-Stage Gas Heat Constant Torque Motor				
		<b>YCC4</b>	<b>WCC4</b>		<b>TCC4</b>
	<b>13.4 SEER2/ 6.7 HSPF2</b> Value Segment Offering <ul style="list-style-type: none"> <li>• M4PG4 Engineered in USA</li> <li>• YLC4 New ULNOx Units</li> <li>• WCA4 &amp; TCA4 Assembled in USA</li> <li>• WHC4 (2-3.5 Tonnages only)</li> </ul>				
		<b>M4PG4 / YCL4</b>	<b>WCA4 / WHC4</b>		<b>TCA4</b>
		<b>Gas Electric</b>	<b>Heat Pump</b>	<b>Dual Fuel</b>	<b>Air Conditioner</b>

The YCA4 Ameristar (by American Standard) GE packaged units will now be available on 1/1/2025 in tandem design with the new Low GWP and A2L Sensors project.

# New Entry-Level (Midea) GE Packaged Units

We are proud to announce the launch of the new Ameristar (Midea-made) gas electric double-deck packaged unit series that will be replacing the old Ameristar (Midea-made) gas electric packaged unit line and solving for many of the unmet market requirements.

## Important Specs:

Old Ameristar Model #	Old Size (H x W x D)	New Ameristar Model #	New Size (H x W x D)
M4PG4024A1060B	41.4 x 44.6 x 57.4	M4PG4024C1060A	45.7 x 51.5 x 34.8
M4PG4030A1060B	41.4 x 44.6 x 57.4	M4PG4030C1060A	45.7 x 51.5 x 34.8
M4PG4036A1090B	41.4 x 44.6 x 57.4	M4PG4036C1090A	45.7 x 51.5 x 34.8
M4PG4042A1090B	41.4 x 44.6 x 57.4	M4PG4042C1090A	51.9 x 51.5 x 44.8
M4PG4048A1090B	41.4 x 44.6 x 57.4	M4PG4048C1090A	51.9 x 51.5 x 44.8
M4PG4060B1090B	41.4 x 44.6 x 57.4	M4PG4060C1090A	51.9 x 51.5 x 44.8
M4PG4060B1130B	41.4 x 44.6 x 57.4	M4PG4060C1110A	51.9 x 51.5 x 44.8



The new Ameristar (Midea-made) gas electric double-deck packaged unit series is intended for utilization until the Ameristar (by American Standard) YCA4 low-cost gas electric packaged units launch.

# New Ultra-Low NOx Packaged Units

We are proud to announce the launch of the new ultra-low NOx 14 SEER 1-phase gas electric packaged unit series that is designed to serve certain markets within California that require <14 ng/J of NOx emissions.

## Important Specs:

Model #	Length	Width	Height (w/o Base Rails)	Height (w Base Rails)	Unit Weight	Shipping Weight	Electrical
4YCL4024A1055A	55.8	47.5	31.3	35.0	390	406	230-60-1
4YCL4030A1070A	55.8	47.5	31.3	35.0	390	406	230-60-1
4YCL4036A1070A	55.8	47.5	31.3	35.0	390	406	230-60-1
4YCL4042A1100A	55.8	47.5	35.3	39.0	438	455	230-60-1
4YCL4048A1100A	55.8	47.5	35.3	39.0	438	455	230-60-1
4YCL4060A1100A	55.8	47.5	43.3	47.0	490	507	230-60-1



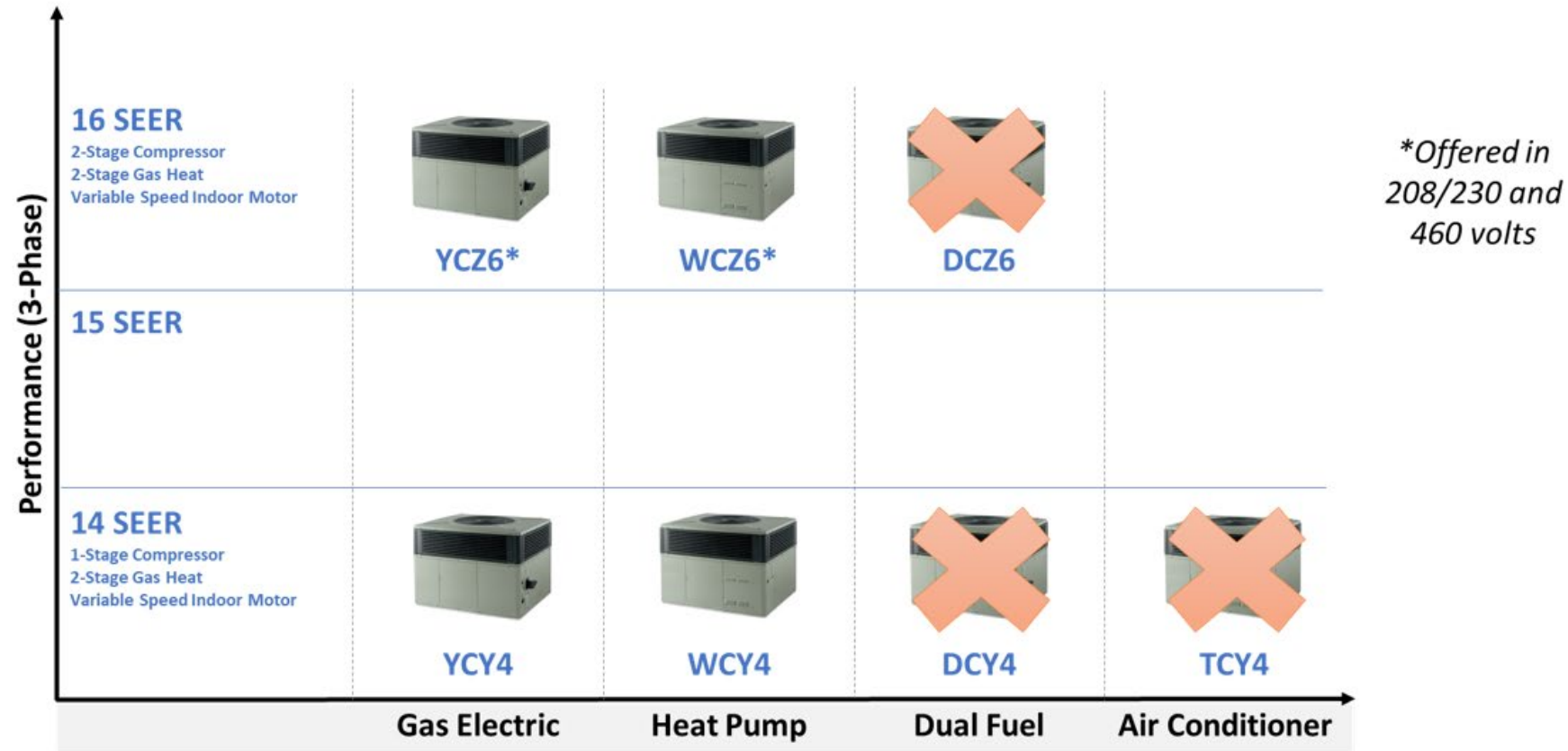
**Agencies Certified:** UL 1995, AHRI, 3rd Party NOx Level Certifications (e.g., SCQAMD)

**AFUE:** 81%

**Altitude Tested:** 5,000 feet certified

First Production: 4/5/2022, First Order: 5/8/2022, First Ship: Mid-May

# 3-Phase Impack SKU Rationalization Project



Last Order Date: 11/5/21, Last Production Date: 12/31/21

# AccuClean Filtration in Impack Package Units



- According to the AccuClean adaptor installation instructions:
  - Install BAYACCEADP1A for Impack base 1 applications.
  - Install BAYACCEADP2A for Impack base 2 applications.
- Once the adaptor is installed, the following AccuClean filtration systems can be easily slid into any Impack unit:
  - BAYACCEADP1A with filter TFD175CLAH000E
  - BAYACCEADP2A with filter TFD175CLFR000E
- The AccuClean filtration solution only works with horizontal applications at this time.

!!!

**Available Now  
to 14 thru 16  
SEER Impack (i2)  
Package Families  
(Horizontal Only)**

!!!

AccuClean™



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# Coils

## Austin Leigh



# New Uncased A-Coil Family Coming

Reduced depth from 21.1" to 19.375"

DOE compliant at time of launch

High-temp drain pan

Factory installed R410A TXV

Sized for quick and easy plenum installation

Expected launch timing – Late Q3 2022



*4AXA Uncased A-Coil*



# New Wrapper Line in Production!



Previous Design



New Design

## Key Takeaways:

- Improved design allows for easy access of coil for inspection & cleaning
- New design provides improved durability while allowing quicker and easier assembly in the plant
- Wrapper machine increases cabinet manufacturing capacity by 33% (1 full shift!)
- Model number change includes 14<sup>th</sup> digit transition from "A" to "B"
- Existing orders will be transitioned by order management and will hold place in line (no action needed from you)
- Production began in May
- Bulletin published on May 25<sup>th</sup> (eAPB2220)



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# Outdoor

Mark Woodruff

# Link National Launch

**Remember OD's are backwards compatible**

**→ No new bulletin required!!**



## Platinum 18 & 20: AC & HP

Family	Current Models	New Models
Platinum 18	4A6V8024A1000B	4A6V8X24A1000A
	4A6V8036A1000B	4A6V8X36A1000A
	4A6V8037A1000B	N/A
	4A6V8048A1000B	4A6V8X48A1000A
	4A6V8049A1000B	N/A
	4A6V8060A1000B	4A6V8X60A1000A
Platinum 20	4A6V0024A1000B	4A6V0X24A1000A
	4A6V0036A1000B	4A6V0X36A1000A
	4A6V0048A1000B	4A6V0X48A1000A
	4A6V0060A1000B	4A6V0X60A1000A

## Major product differences:

- Outdoor has dual functionality of CLII and American Standard Link; ie backwards compatibility with existing CLII indoor equipment and new Link equipment.
- Liquid pressure transducer and liquid temperature sensor added.

## Accessories:

- BAYCAKT002: SmartCharge™ Solenoid Kit – \$300 tool that dealers can re-use on every install to automatically charge Link Systems (must be a Link system).
- BAYLINK001: ComfortLink II (CLII) Controls Upgrade Kit – allows the 'upgrade' of a legacy CLII outdoor unit to Link.
  - Optional: To achieve full Link capabilities and gain additional features, pair this with BAYLINK002.
  - \*\*Note: does not convert an installed system to be a full Link system unless the thermostat and indoor equipment is replaced with Link equipment.
- BAYLINK002: CLII Sensor Upgrade Kit. Kit to add the additional Link sensors to a legacy CLII system to achieve full Link functionality and diagnostics capabilities. Must also have BAYLINK001 and Mantis (to update drive software).



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# 2023 DOE Update

Mark Woodruff

# Product Transition Timing Update

AC/HP	Stage	Channel	Old Family	New Family	Product Bulletin	Last Order (Old) First Order (New)	Prod Stop (Old) Prod Start (New)	Sell-Through Region Impacted
AC	Single	Value	A4AC30	A4AC30	July	Aug	Nov	--
AC	Single	Value	A4AC40	A4AC40	April	May	Aug	S & SW
AC	Single	Value	A4AC60	A4AC50	July	Aug	Nov	--
AC	Single	Premium	Silver 13	Silver 13	July	Aug	Nov	--
AC	Single	Premium	Silver 14	Silver 14	April	May	Aug	S & SW
AC	Single	Premium	Silver 16	Silver 15	June	July	Oct	--
AC	Single	Premium	Silver 16 SD	Silver 15 SD	Aug	Sept	Oct	S & SW
AC	Two	Premium	Gold 17	Gold 16	June	July	Oct	--
AC	VS	Premium	Platinum 18/20	Platinum 18/20	N/A	N/A	N/A	--

15 SEER AC & 2-Stage AC/HP  
Bulletins coming June 17th!

Moved up one month

AC/HP	Stage	Channel	Old Family	New Family	Product Bulletin	Last Order Date of Old	Prod Start New (Stop Old)	Sell-Through Region Impacted
HP	Single	Value	A4HP40	A4HP40	July	Aug	Nov	--
HP	Single	Value	A4HP60	A4HP50	July	Aug	Nov	--
HP	Single	Premium	Silver 14	Silver 14	July	Aug	Nov	--
HP	Single	Premium	Silver 16	Silver 15	July	Aug	Nov	--
HP	Single	Premium	Silver 16 SD	Silver 15 SD	Aug	Sept	Dec	--
HP	Two	Premium	Gold 17	Gold 16	June	July	Nov	--
HP	VS	Premium	Platinum 19	Platinum 19	N/A	N/A	N/A	--
HP	VS	Premium	Platinum 18/20	Platinum 18/20	N/A	N/A	N/A	--

Moved out one month

# Order Management

- We will be allocating our final production quantities.
  - Regional managers will reach out with details *THIS WEEK!*
- Open Orders:
  - After production stop and all inventory of old product is exhausted, remaining open orders will be converted by our Order Management team to the new model numbers at the new product cost.
- Southern AC Inventory:
  - Extremely important all legacy inventory of the families below is sold/installed prior to January 1, 2023
  - Trane Technologies does not intend to take back inventory of unsold product.



**A4AC4**



**Silver 14 AC**



**Silver 16 AC**

# Canada DOE M1 Adoption

- Canada has announced the intent to adopt DOE standard
- Timing is TBD: Draft proposal is out for industry comment
- What's different:
  - Minimum 6.0 HSPF2 minimum (calculated for Climate region V rather than IV)
  - Implementation date TBD (probably mid-2023)
    - We are working to determine what this means for product availability (ie will legacy production continue for Canada past January 2023)

## Proposed Energy Efficiency Standards



PRODUCT CLASS	SEER2 MEPs in the U.S. and Canada	HSPF2 (Region IV) MEPs in U.S.	HSPF2 (Region V) MEPs in Canada
(i)(A) Split systems—air conditioners with a certified cooling capacity less than 45,000 Btu/hr	13.4		
(i)(B) Split systems—air conditioners with a certified cooling capacity equal to or greater than 45,000 Btu/hr (and less than 65,000 Btu/hr)	13.4		
(ii) Split systems—heat pumps	14.3	7.5	6.0
(iii) Single-package units—air conditioners	13.4		
(iv) Single-package units—heat pumps	13.4	6.7	5.4
(v) Small-duct, high-velocity systems	12	6.1	4.9
(vi)(A) Space-constrained* products—air conditioners	11.7		
(vi)(B) Space-constrained* products—heat pumps	11.9	6.3	5.0

**Note:**

- ✓ The requirements for average off mode power consumption remain unchanged.
- ✓ Compliance to performance requirement in Canadian Regulations is based on Region V (for HSPF2 calculation).
- \* "Through-the-wall (heatingTTW)" type will be sunset. The former TTW products will be considered and have to comply with the standard for space-constrained products.

# Questions?

Type questions into the chat window

OR

Press \*6 to unmute