

February Product Update Call

February 14, 2022

Agenda

- Light Commercial – Matt Bynum
- Furnace – Kellie Lindenmoyer
- Air Handlers – Darcy Lee
- Residential Packages – Charles Trammell
- Coils – Austin Leigh
- Indoor Environmental Quality—Jennie Bergman
- DOE Update – Mark Woodruff & Antione Ford

BUILT TO A HIGHER STANDARD.

Light Commercial

Matt Bynum – Product Manager

Important Changes to the Foundation Playbook Complete

- **WHAT'S HAPPENING:**

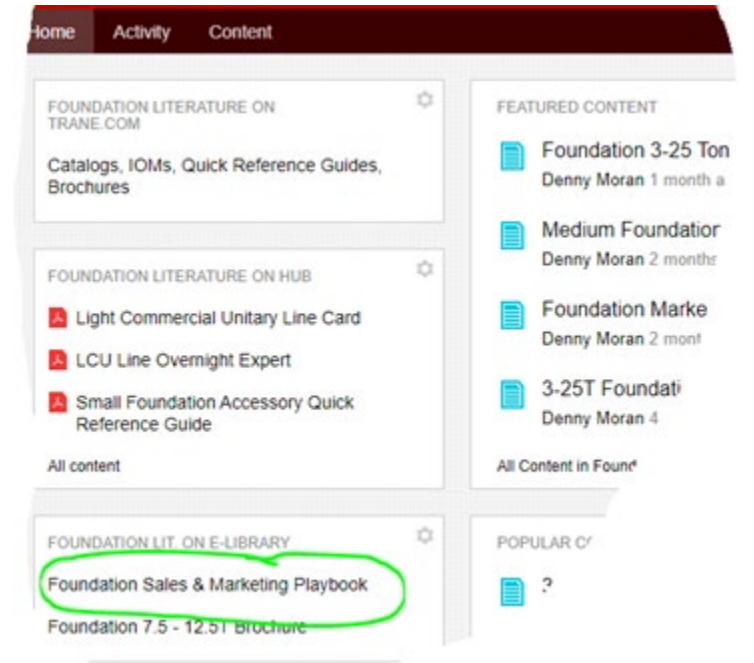
- Important revisions have been made to the Foundation Sales & Marketing Playbook.
- Changes include revisions to the curb matrix shown on pages 56-59

- **WHY THIS MATTERS TO YOU:**

- For current, accurate competitor curb comparison information, please download the latest version of the Foundation Playbook.

- **ACTION NEEDED:**

- Go to: [Foundation HUB Page](#)
- Or from e-Library, Doc No. RT-SLM025*



Product Handbook Changes



Precedent™ Packaged Cooling Convertible 3-10 Tons (Model Digit Numbers)

Digit	Description	Order Number	Digit	Description	Order Number
1-8	Main Assembly (see previous page)		21	Communications Options [Ⓢ]	
9	Unit Controls			No Communications Interface	0
	Electro-Mechanical	E		Trane Communications Interface (TCI)	1
	ReliaTel™ Micro-processor	R		LonTalk™ Communications Interface (LCI)	2
10	(See Heater Table below)			BACnet™ Communications Interface	6
11	Minor Design Sequence		22	Refrigeration System Option	
	First Sequence	A		Standard Refrigeration System	0
12-13	Service Sequence			Dehumidification (Hot Gas Reheat Coil) [Ⓢ]	B
	First Sequence (Factory Supplied)	**	23	Refrigeration Controls	
14	Fresh Air Selection			Note: Applicable to Digit 7 = EF	
	No Fresh Air	0		No Refrigeration Control	0
	0-50% Manual Outside Air Damper [Ⓢ]	A		Froststat [Ⓢ]	1
	0-50% Motorized Outside Air Damper	B	24	Smoke Detector [Ⓢ]	
	0-100% Economizer, Dry Bulb without Barometric Relief [Ⓢ]	C		No Smoke Detector	0
	0-100% Economizer, Dry Bulb with Barometric Relief [Ⓢ]	D		Return Air Smoke Detector [Ⓢ]	A
	0-100% Economizer, Reference Enthalpy without Barometric Relief [Ⓢ]	E		Supply Air Smoke Detector	B
	0-100% Economizer, Reference Enthalpy with Barometric Relief [Ⓢ]	F		Supply and Return Air Smoke Detectors [Ⓢ]	C
	0-100% Economizer, Comparative Enthalpy without Barometric Relief [Ⓢ]	G	25	Monitoring Controls [Ⓢ]	
	0-100% Economizer, Comparative Enthalpy with Barometric Relief [Ⓢ]	H		No Monitoring Control	0
	Low Leak Economizer, Dry Bulb with Barometric Relief [Ⓢ]	K		Clogged Filter Switch [Ⓢ]	1
	Low Leak Economizer, Comparative Enthalpy with Barometric Relief [Ⓢ]	M		Fan Failure Switch [Ⓢ]	2
	Low Leak Economizer, Reference Enthalpy with Barometric Relief [Ⓢ]	P		Discharge Air Sensing Tube [Ⓢ]	3
15	Supply Fan Drive Type/Motor			Clogged Filter Switch and Fan Fail Switch [Ⓢ]	4
	Standard Drive	0		Clogged Filter Switch and Discharge Air Sensing Tube [Ⓢ]	5
	Oversized Motor	1		Fan Fail Switch and Discharge Air Sensing Tube [Ⓢ]	6
	Optional Belt Drive Motor (3 phase only)	2		Clogged Filter Switch [Ⓢ] and Condensate Drain Pan Overflow Switch	7
	Single Zone VAV	3		Clogged Filter Switch [Ⓢ] and Condensate Drain Pan Overflow Switch	B
	Multi-Speed Indoor Fan	7		Fan Failure Switch [Ⓢ] and Condensate Drain Pan Overflow Switch	C
	VAV Supply Air Temperature Control Standard Motor	E		Discharge Air Sensing [Ⓢ] and Condensate Drain Pan Overflow Switch	D
16	Hinged Service Access & Filters			Clogged Filter Switch [Ⓢ] , Discharge Air Sensing Tube [Ⓢ] and Condensate Drain Pan Overflow Switch	E
	Standard Panels & Filters	0		Clogged Filter Switch [Ⓢ] , Discharge Air Sensing Tube [Ⓢ] and Condensate Drain Pan Overflow Switch	F
	Hinged Access Panels & Standard Filters	A		Clogged Filter Switch [Ⓢ] , Discharge Air Sensing Tube [Ⓢ] and Condensate Drain Pan Overflow Switch	G
	Standard Panels & 2" Pleated Filters MERV 8	B		Clogged Filter Switch [Ⓢ] , Fan Failure Switch [Ⓢ] , Discharge Air Sensing [Ⓢ] and Condensate Drain Pan Overflow Switch	H
	Hinged Access Panels & 2" Pleated Filters MERV 8	C	17	Condenser Coil Protection	
	Standard Panels/2" MERV 13 Filters	D		Standard Coil	0
	Hinged Access Panels/2" MERV 13 Filters	E		Standard Coil with Hail Guard	1
				Black Epoxy Pre-Coated Condenser Coil	2
				Black Epoxy Pre-Coated Condenser Coil with Hail Guard	3
				Complete Coat™ Condenser Coil	4
				Complete Coat™ Condenser Coil with Hail Guard	5
18	Through the Base Provisions		18	Through the Base Provisions	
	No Through the Base Provisions	0		No Through the Base Provisions	0
	Through the Base Electric [Ⓢ]	A		Through the Base Electric [Ⓢ]	A
19	Disconnect/Circuit Breaker /Phase Monitor (3 phase only)		19	Disconnect/Circuit Breaker /Phase Monitor (3 phase only)	
	No Disconnect/Circuit Breaker	0		No Disconnect/Circuit Breaker	0
	Unit Mounted Non-Fused Disconnect [Ⓢ]	1		Unit Mounted Non-Fused Disconnect [Ⓢ]	1
	Unit Mounted Circuit Breaker [Ⓢ]	2		Unit Mounted Circuit Breaker [Ⓢ]	2
20	Convenience Outlet		20	Convenience Outlet	
	No Convenience Outlet	0		No Convenience Outlet	0
	Unpowered Convenience Outlet	A		Unpowered Convenience Outlet	A
	Powered Convenience Outlet (3 phase only) [Ⓢ]	B		Powered Convenience Outlet (3 phase only) [Ⓢ]	B

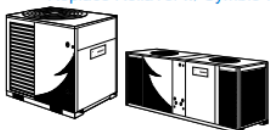
[Ⓢ] Enthalpy control not available factory installed with electro-mechanical controls.

[Ⓢ] Available for TTY 3, 4, 5, 6, 7%, 8% ton standard/high efficiency models only.



Replace with new C Split System Three Phase

Replace ReliaTel w/ Symbio 700



TTA - 6-25 Tons

- ReliaTel™ controls only
- (1) Scroll compressor
- (2) Scroll compressor (TTA072-240D) with refrigerant circuits
- Single point power
- Compressor motor on
- Compressor discharge
- Control transformer
- High and low pressure
- Liquid line filter drier, 1
- Electrical phase reverb

Model Number Description — Cooling Condenser

- Digit 1-3 — Unit Function**
- TTA = Split System Cooling**
- Digit 4-6 — Tonnage**
- 072 = 6 Tons (60Hz)**
- 090 = 7.5 Tons (60Hz)**
- 120 = 10 Tons (60Hz)**
- 150 = 12.5 Tons (60Hz)**
- 180 = 15 Tons (60Hz)**
- 240 = 20 Tons (60Hz)**
- 300 = 25 Tons (60Hz)**
- Digit 7 — Refrigerant**
- 4 = R-410A**
- Digit 8 — Voltage**
- 3 = 208-230VAC - 3 PH (60Hz)**
- 4 = 480VAC - 3 PH (60Hz)**
- W = 575VAC - 3 PH (60Hz)**
- K = 380VAC - 3 PH (60Hz)**
- Digit 9 — Refrigeration Circuit/Stage**
- A = 1 Compressor/1 Line/1 Stage (Single)**
- C = 2 Compressors/1 Line/2 Stage (Multi)**
- Digit 10 — Major Design Sequence**
- A = Current Design Sequence**
- Digit 11 — Minor Design Sequence**
- B = Current Design Sequence**
- Digit 12-13 — Service Digits**
- Digit 14 — Efficiency Generation**
- A = Generation A**
- Digit 15 — Controls**
- E = Electromechanical**
- R = ReliaTel™**
- Digit 16 — None**
- 0 = Not Used**

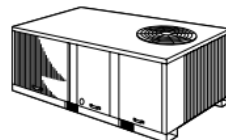
Table LSC-1-A — TTA Split System Cooling — Single Compressor — R-410 Refrigerant

Model Number	Power Supply	AHRI Net Cooling Cap. (BTU/h)	Uncrated Dimensions (in.)	Shipping Weight (lbs.)	Sound Rating	MCA*	Max. Fuse*	Connection Size (in.)
			H x W x L				OD Gas OD Liq.	
TTA07243A	208-230/3/60	76,000	46 x 45 x 38	324	84	28	45 1 1/8 1/8	
TTA09043A	208-230/3/60	94,000	45 x 45 x 38	342	83	34	50 1 1/8 1/8	
TTA07244A	460/3/60	76,000	46 x 45 x 38	324	84	12	20 1 1/8 1/8	
TTA09044A	460/3/60	94,000	45 x 45 x 38	342	83	17	25 1 1/8 1/8	
TTA0724WA	575/3/60	76,000	46 x 45 x 38	324	84	9	15 1 1/8 1/8	
TTA0904WA	575/3/60	94,000	45 x 45 x 38	342	83	13	20 1 1/8 1/8	

Table LSC-1-B — TTA Split System Cooling — Dual Manifolder Compressors with Single Refrigerant Circuits — R-410 Refrigerant



Voyager™ Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons



12½ – 20 Ton WSD—Downflow
12½ – 20 Ton WSH—Horizontal

- EER up to 10.6
- ReliaTel™ processor control features are listed on page LPC-12
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" filters for 12½ - 20 ton units
- Liquid line drier
- Built-in fork lift holes
- Operating charge of R-410A
- Quick-Access service panels slide in and out
- Scroll compressors
- Dedicated horizontal and downflow designs
- Single-side access
- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring
- Common cabinet and accessories Cooling only and Gas/Electric Heat models
- Quick-adjust idler arm pulley
- 5-year limited compressor warranty (12½ – 20 tons)

Table LPH-11-A — Standard — ReliaTel™ Units (R-410A)

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	Performance IEER	Cooling Capacity (Btu/h)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	MCA [Ⓢ]	Max Fuse Size or [Ⓢ] Max Circuit Breaker	Downflow Roofcut
12 ½	WS*150E3R0B0000	208-230/3/60	12.0	146,000	56 1/8 x 84 1/8 x 121 1/8	2455	67.0	80	BAYCURB027B
15	WS*180E3R0B0000	208-230/3/60	12.0	177,000	56 1/8 x 84 1/8 x 121 1/8	2459	73.0	90	BAYCURB027B
20	WS*240E3R0B0000	208-230/3/60	11.5	240,000	66 1/8 x 84 1/8 x 121 1/8	2641	113.0	150	BAYCURB027B
12 ½	WS*150E4R0B0000	460/3/60	12.0	146,000	56 1/8 x 84 1/8 x 121 1/8	2455	32.0	40	BAYCURB027B
15	WS*180E4R0B0000	460/3/60	12.0	177,000	56 1/8 x 84 1/8 x 121 1/8	2459	36.0	45	BAYCURB027B
20	WS*240E4R0B0000	460/3/60	11.5	240,000	66 1/8 x 84 1/8 x 121 1/8	2641	53.0	70	BAYCURB027B
12 ½	WS*150EWR0B0000	575/3/60	12.0	146,000	56 1/8 x 84 1/8 x 121 1/8	2455	25.0	30	BAYCURB027B
15	WS*180EWR0B0000	575/3/60	12.0	177,000	56 1/8 x 84 1/8 x 121 1/8	2459	29.0	35	BAYCURB027B
20	WS*240EWR0B0000	575/3/60	11.5	240,000	66 1/8 x 84 1/8 x 121 1/8	2641	45.0	50	BAYCURB027B

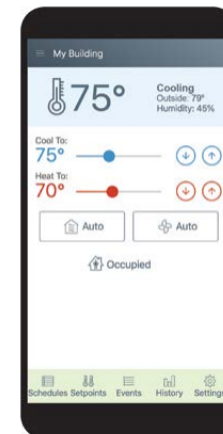
Tons	Supply Downflow W x L [Ⓢ]	Return Downflow W x L [Ⓢ]	Supply Horizontal H x W [Ⓢ]	Return Horizontal H x W [Ⓢ]	Curb Size H x W x L [Ⓢ]	Roof Opening W x L [Ⓢ]
20	28 1/8 x 69 1/2	22 1/4 x 77	46 1/8 x 26 1/2	46 1/8 x 27 1/8	14 1/8 x 81 x 117 1/8	76 1/2 x 81

- Ⓢ Dimensions are in inches. See Outline Dimensions.
- Ⓢ Interior Dimension.
- Ⓢ Measurement Includes Curb Flange.
- Ⓢ HACR type circuit breaker per NEC.
- Ⓢ Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
- * Digit 3 - H = Horizontal or D = Downflow.

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Availability

LCU Lead Time Updates & Extensions

WHAT'S HAPPENING:

In order to manage customer demand and shipment date expectations, **Trane Technologies will be updating lead times on our Light Commercial Unitary & Splits portfolio as outlined below:**

WHY THIS MATTERS TO YOU:

The lead time changes will aid in bettering our ability to meet customer order dates.

ACTION NEEDED:

Please review the below updates & continue to work with order management for order details & assistance.

Light Commercial Lead Times & Notes:

- Odyssey with Symbio from 9 weeks to 12 weeks
- Odyssey Electromechanical from 5 weeks to 6 weeks
- Small and Large Foundation from 5 weeks to 10 weeks
- Precedent non-plenum fan units are pushing from 20 to 23 weeks. Plenum fan units are pushing from 22 weeks to 27 weeks..
- 5 tons and under compliant units shipping to Southern CA (Digit 34) – TEMPORARILY SUSPENDED
- We are temporarily suspending discounts on COJO worksheets for all products
- Your order cannot be shipped without an accessory/option for later installation that is not a field installed option. This would void UL.
- Voyager 2 is 16 weeks
- Please ensure you are entering correct ship dates when they are sending jobs to COJO or orders. We are unable to meet ship dates that are within lead time.
- We will continue to uphold the guidelines of pulling from warehouses within a 500-mile radius



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Coming 2023 & Next Generation Equipment Updates

Tentative Phase In/Phase Out Gas (Y) Models

PRECEDENT

Current Model	Next Gen 2022 2nd Half Launch	Next Gen 2023 Jan Launch
YHC072F	YSJ072A	Bell, Mark: Cabinet/footprint change. BAYCURB044 to FIACURB402
YHC074F	YSJ072A	
YHC092F	YSJ090A	
YHC102F	YSJ102A	
YHC120F	YSJ120A	
YSC072H		YSJ072A
YSC090H		YSJ090A
YSC092H		YSJ090A
YSC102H		YSJ102A
YSC120H		YSJ120A

VOYAGER 2

Current Model	Next Gen 2022 2nd Half Launch	Next Gen 2023 Jan Launch
YHD150G	YSJ150A	Bell, Mark: Cabinet/footprint change. BAYCJRB027 to FIACURB403
YHD180G	YSJ180A	
YHD210G	YSJ210A	
YHD240G	YSJ240A	
YHD300G	YSJ300A	
YHH150G	YSJ150A	
YHH180G	YSJ180A	
YHH210G	YSJ210A	
YHH240G		
YHH300G		

Last Order Date = May 6, 2022

(Not building any 'extra' inventory of these models)

First Order Date = May 9, 2022

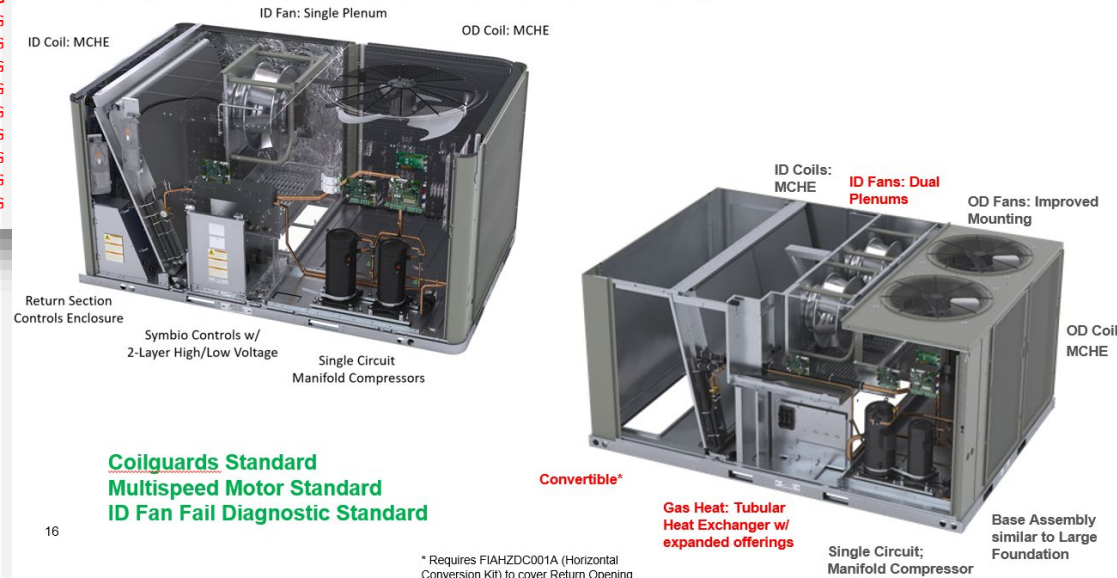
First Production = Mid/Late Oct 2022

Warehouses will be stocked with current Std Eff Models Through End of 2022
 Throughout 2023, Std Eff Models in Warehouses will be orderable until inventory depletes
 Warehouse orders limited to Max 3 units per order
 Configured' Std Eff Models will have Last Order Date = Oct 7, 2022

Symbio 700 – Features & Benefits

- Field & Factory Software Upgradeable
- Onboard I/O (Optimized)
- Expandable Equipment I/O (Symbio Options Modules)
- Expansion Module Support (Field Applied I/O)
- Electromechanical Thermostat
- Mechanical Zone Sensors
- Communicating Thermostats/Space Sensors
- BACnet EIA-485 Token Passing
- Connectivity Options (TIS, Web-Enabled T-Stat, BAS-BaFsed, etc.)
- BACnet I/P
- AirFi Wireless Support
- LonTalk Option via USB
- MODBUS Communication (Drives, Power Meters, BAS Integration, etc.)
- Data Trending
- Active & Historical Alarms
- Customer Applied/Field Programming Support (TGP2)
- Automated Testing Designed-In (Increased Speed to Market)
- Reduction in SKUs
- Poke-Yoke Factory Wiring

Subsystem Features/Consistency



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Furnace

Kellie Lindenmoyer

Upcoming Model Change

Upcoming 14th digit model number change on S9V2, S9V2-VS, and A952V families

Timing of change will depend on motor size:

- 5-ton models – Estimated first order of February 16, 2022
- 4-ton models – Estimated first order during week of March 21, 2022
- 3-ton models – Estimated first order during week of March 7, 2021

Pricing: No change from current-state price


AHRI Ratings: Minimal system rating updates. Ratings that extend to the furnace's 14th digit will be updated to only contain the 13th digit as standard with other listings.

No plans to change values on existing listings.

American Standard & Ameristar + 4TXC & 4PXC are now active
 American Standard & Ameristar + 4MXC are in process

PRODUCT BULLETIN

95% Variable Speed Furnace Update



eASPB2204 | February 4, 2022

IMPORTANT DATES:

Estimated First Order:
 5 ton models – February 14, 2022
 4 ton models – Late February
 3 ton models – Early March

First Ship:
 As current inventory is depleted

Pricing Info:
 Coming Soon
 *No changes from current models

Ratings:
 AHRI ratings available soon at AHRI.directory.org

In mid-February, the A952V models listed in the chart below will be updated to include a new blower motor. This change will take place at various times depending on the unit's motor size. The chart below details the models that are phasing out, their replacement and transition timeline.

Transition timing on 3- and 4-ton units are in the process of being finalized. We will issue a communication when firm production timelines are available.

Most AHRI system ratings will **not** be impacted with this change. A few, select ratings that extend to the 14th digit of the furnace model are in the process of being updated and will be posted to AHRI as soon as possible. Pricing will remain consistent between existing and new offerings.

Existing orders will be superseded to the new model as units become available. Orders placed on models that are phasing out will be fulfilled based upon unit availability.

All models are subject to current lead times.

Product Family	Current Model	New Model	Production Transition Timing
A952V	A952V040B03SAC	A952V040B03SAD	March 2022
	A952V060B04SAC	A952V060B04SAD	February 2022
	A952V080B04SAC	A952V080B04SAD	February 2022
	A952V080C05SAC	A952V080C05SAD	Week of February 14, 2022
	A952V100C05SAC	A952V100C05SAD	Week of February 14, 2022
	A952V120D05SAC	A952V120D05SAD	Week of February 14, 2022
	A952V040B03SAC	A952V040B03SAD	March 2022
	A952V060B03SAC	A952V060B03SAD	March 2022
	A952V080B04SAC	A952V080B04SAD	February 2022
	A952V100C05SAC	A952V100C05SAD	Week of February 14, 2022

FOR QUESTIONS:
 Antione Ford | Product Manager | Antione.Ford@tranetechnologies.com

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Check out Product Bulletins eAPB2203 & eASPB2204 for more details!



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Air Handlers

Darcy Lee

Air Handling Coil Simplicity

What's Happening

- We have been steadily working on a coil simplicity program that standardizes coil designs and minimizes coil SKUs. The goal is to reduce complexity and improve coil quality and processes
- There is no price change with the new coils
- The project facilitates ease of installation i.e., fewer SKUs to manage, fewer coils between units, and common design across product lines
- Coil sku consolidation allows ease of coil inventory - manufacturing benefits directly translate to customer benefits from reduced coil SKUs in inventory and allowance for healthier mix of inventory

Why This Matters to You

- Providing improved performance through elimination of N-coil which allows for easier service with improved performance.
- Wave 1 models will have a 0.35-inch height increase to accommodate a larger coil

Timing

- The new coils will be implemented in waves starting in a couple weeks and going through June
- Dates may move in or out dependent on a component availability and backlog

Wave	Old Model #	New Model #	Estimated First Order	Estimated First Ship
1	TEM4A0C49M41SA	TEM4A0C49M41SB	17-Mar-22	16-Apr-22
	TEM4A0C61M51SA	TEM4A0C61M51SB		
	TEM6A0C48H41SB	TEM6A0C48H41SC		
	TEM8A0C48V41DB	TEM8A0C48V41DC		
	A4AH6V48A1C30A	A4AH6V48A1C30BA		
	A4AH6E49A1C30A	A4AH6E49A1C30BA		
2	TEM4A0C43M41SA	TEM4A0C43M41SB	Apr-22	May-22
	TEM4A0C60S51SB	TEM4A0C60S51SC		
	TEM6A0C36H31SB	TEM6A0C36H31SC		
	TEM6A0C42H41SB	TEM6A0C42H41SC		
	TEM8A0C36V31DB	TEM8A0C36V31DC		
	TEM8A0C42V41DB	TEM8A0C42V41DC		
3	A4AH6E61A1C30A	A4AH6E61A1C30BA	Apr-22	May-22
	TEM4A0B31M31SA	TEM4A0B31M31SB		
	TEM6A0B24H21SB	TEM6A0B24H21SC		
	TEM6A0B30H21SB	TEM6A0B30H21SC		
	TEM8A0B24V21DB	TEM8A0B24V21DC		
	TEM8A0B30V31DB	TEM8A0B30V31DC		
4	A4AH6E31A1B30A	A4AH6E31A1B30BA	Mar-22	Apr-22
	A4AH6V24A1B30A	A4AH6V24A1B30BA		
	A4AH6V30A1B30A	A4AH6V30A1B30BA		
	TEM4A0C37S31SB	TEM4A0C37S31SC		
	TEM4A0C42S41SB	TEM4A0C42S41SC		
5	TEM4A0C48S41SB	TEM4A0C48S41SC	Apr-22	May-22
	A4AH4E42A1C30B	A4AH4E42A1C30CA		
	A4AH4E48A1C30B	A4AH4E48A1C30CA		
	A4AH4P37A1C30B	A4AH4P37A1C30CA		
	TEM4A0B18S21SB	TEM4A0B18S21SC		
	TEM4A0B19M21SA	TEM4A0B19M21SB		
	TEM4A0B24S21SB	TEM4A0B24S21SC		
	TEM4A0B30S31SA	TEM4A0B30S31SC		
	TEM4A0B36S31SB	TEM4A0B36S31SC		
6	A4AH4P18A1B60B	A4AH4P18A1B60CA	Apr-22	May-22
	A4AH4P24A1B60B	A4AH4P24A1B60CA		
	A4AH4P30A1B60B	A4AH4P30A1B60CA		
	A4AH4P36A1B30B	A4AH4P36A1B30CA		
	A4AH6E19A1B30A	A4AH6E19A1B30BA		
	TEM6A0C60H51SB	TEM6A0C60H51SC		
6	TEM8A0C60V51DB	TEM8A0C60V51DC	Apr-22	May-22
	A4AH6V60A1C30A	A4AH6V60A1C30BA		
	A4AH4E60A1C30B	A4AH4E60A1C30CA		
	A4AH6E43A1C30A	A4AH6E43A1C30BA		
	A4AH6V36A1C30A	A4AH6V36A1C30BA		

BUILT TO A HIGHER STANDARD.

Residential Packages

Charles Trammell

DOE 2023 Changes to Testing's & Ratings

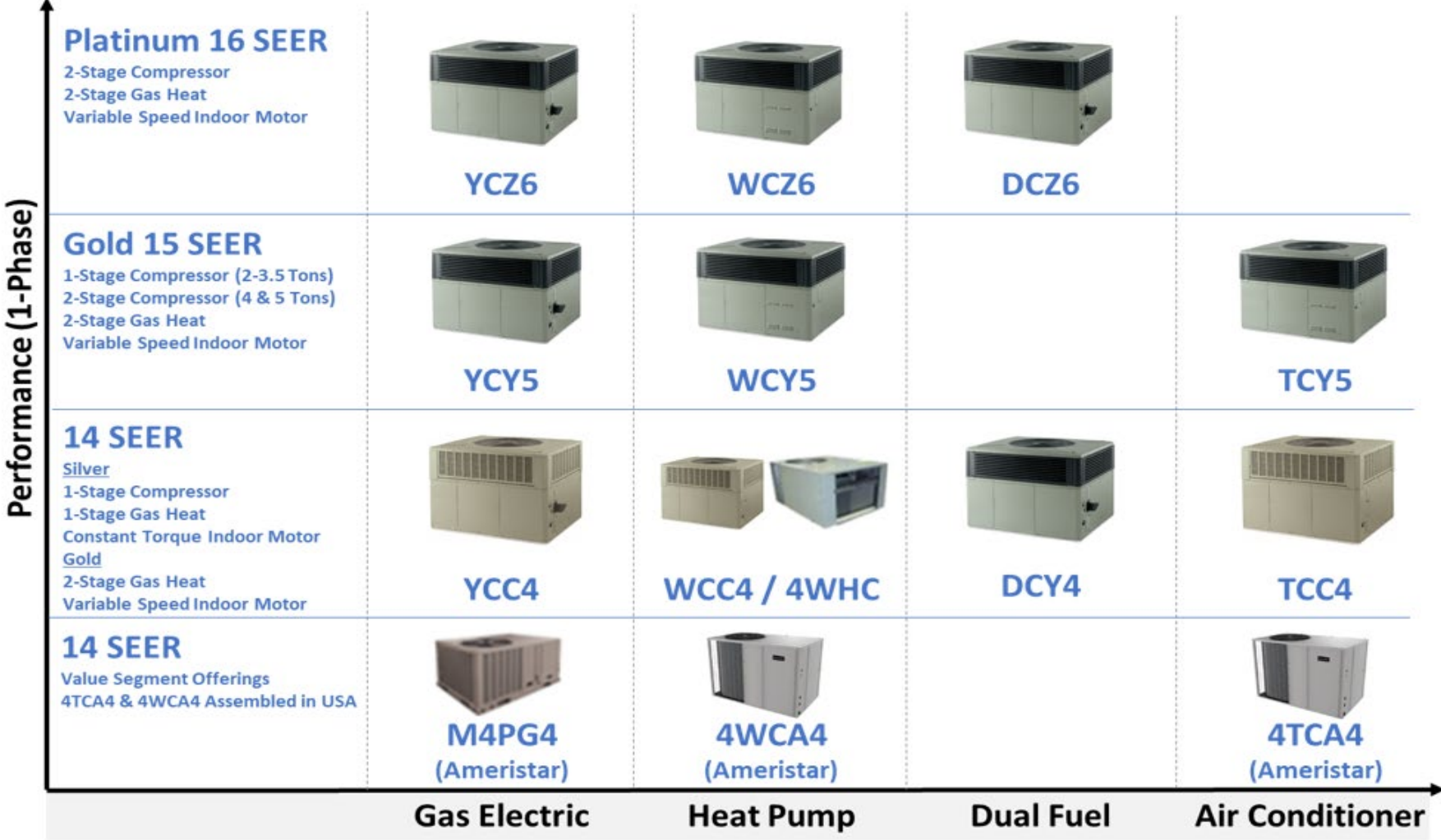
- Minimum efficiencies are changing.
- A new and more challenging test procedure was created, making it more difficult to achieve the new minimum efficiencies and reducing the ratings of existing systems. When tested using the new standard, existing equipment will not achieve the same ratings as they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

2023 DOE Minimums

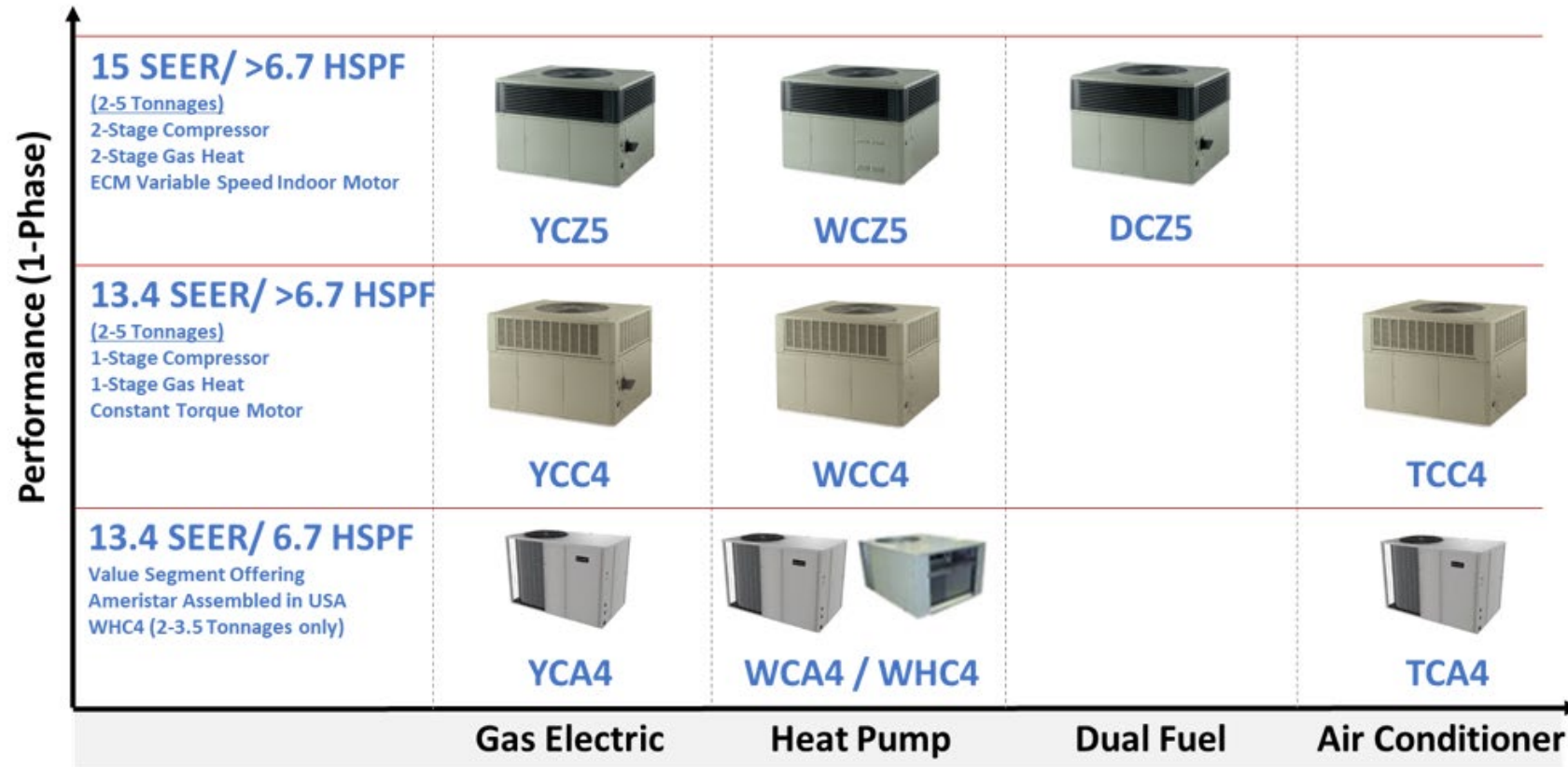
Product	Static Test Point	National		
		SEER2	HSPF2	EER2
Air Conditioner	0.5" (was 0.1"-0.2")	13.4 (was 14)		10.6 (was 11)
Gas Electric	0.5" (was 0.1"-0.2")	13.4 (was 14)		10.6 (was 11)
Dual Fuel	0.5" (was 0.1"-0.2")	13.4 (was 14)	6.7 (was 8.0)	10.6 (was 11)
Heat Pump	0.5" (was 0.1"-0.2")	13.4 (was 14)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

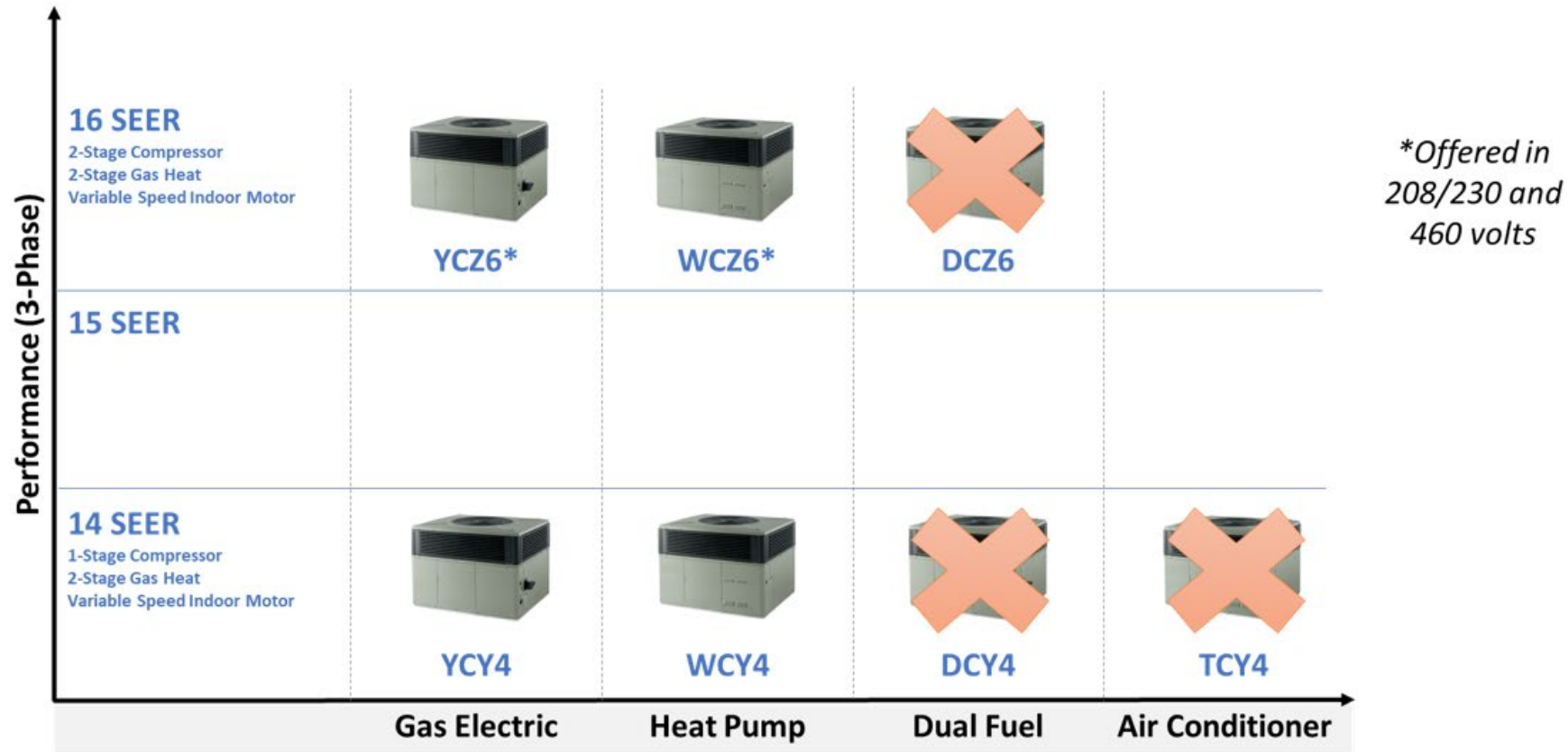


Proposed DOE 2023 Package Portfolio



We will review the phase-in/phase-out plan for DOE 2023 Res packages on the next update call.

3-Phase SKU Rationalization Project



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

BUILT TO A HIGHER STANDARD.

Coils

Austin Leigh

Upcoming Model Change

14th digit model number change from "A" to "B" on Trenton produced 4TXC, 4PXCU, and 4PXCD

Example:

4TXCB003DS3HCA→4TXCB003DS3HCB

Product Bulletin: March 2022

Timing of change: April 2022

Pricing: No change

AHRI Ratings: No change

Reason:

- More durable cabinet design
- New door allows easier access for cleaning
- Consistent with Vidalia design
- New Trenton wrapper line





BUILT TO A HIGHER STANDARD.

Indoor Environmental Quality

Jennie Bergman

AccuClean Video



**Now Available for
Download &
Sharing**

AccuClean Video

Three:20 Clips

ALLERGIES



DUST



VIRUSES



AccuClean Video

How to access the videos



Perfect for Social Media

SHARABLE LINK

<https://ircohvaca.wistia.com/medias/delnt7ticf>



Embed into a Website

EMBED LINK (FOR WEBSITE USE)

Copy the text below to embed the video within standard JavaScript embed code.

```
<script src="https://fast.wistia.com/embed/medias/delnt7ticf.jsonp" async></script><script src="https://fast.wistia.com/assets/external/E-v1.js" async></script><div class="wistia_responsive_padding" style="padding:56.25% 0 0 0;position:relative;"><div class="wistia_responsive_wrapper" style="height:100%;left:0;position:absolute;top:0;width:100%;"><div class="wistia_embed wistia_async_delnt7ticf videoFoam=true" style="height:100%;position:relative;width:100%"><div class="wistia_swatch" style="height:100%;left:0;opacity:0;overflow:hidden;position:absolute;top:0;transition:opacity 200ms;width:100%;"> /></div></div></div></div>
```



AccuClean Video

This is where you CAN'T use the videos:

- Any form of paid advertisement or promotion

Why?

*Based on the usage rights of talent and music within these videos, these videos **are not permitted** for paid advertising usage of any kind.*

Here's where you CAN use the videos:

- Your company's website
- Marketing emails
- Organic social media (Facebook, Instagram, Twitter, YouTube, LinkedIn, etc.)
- Blogs
- Newsletters
- Internal training

BUILT TO A HIGHER STANDARD.

2023 DOE Update

Mark Woodruff & Antione Ford

Sell Through

- North:
 - Sell-through is allowed for all products (AC & HP)
- South & SouthWest:
 - All legacy Heat Pumps may be sold through.
 - Air Conditioners: Three families must be sold BEFORE January 1st, 2023
 - DOE Replacements for these families are coming first!
 - All other AC families – M1 ratings will be published for legacy product in Q2 2022; with M1 hangtags



A4AC4

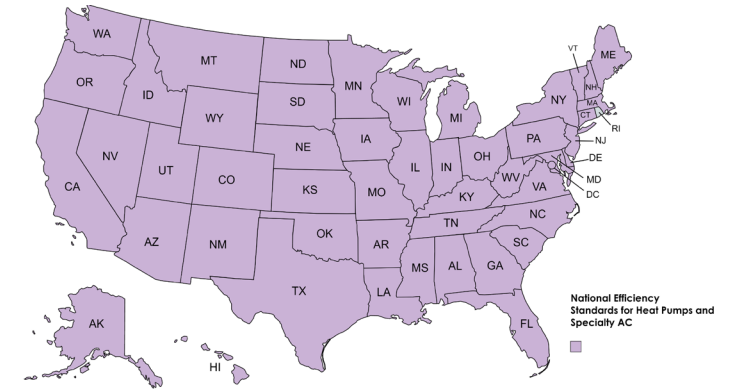


Silver 14 AC

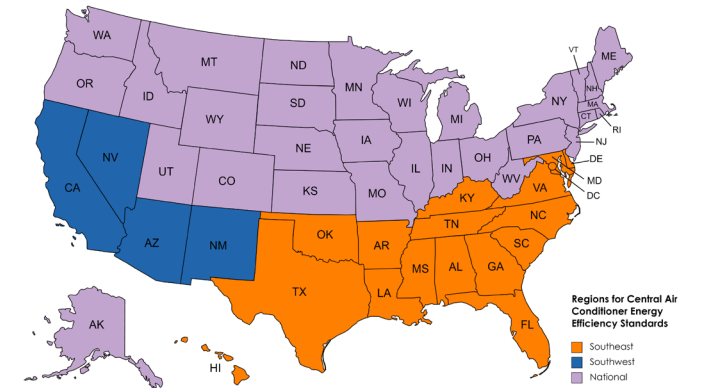


Silver 16 AC

Heat Pump



Air Conditioner



Visual Product Identification

- Fluorescent Orange labels will be applied to the three at-risk families starting March 2022.
- Visual identifier of models that need to be sold before January 1st, 2023.



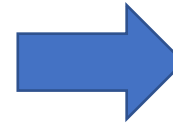
A4AC4



Silver 14 AC



Silver 16 AC



This product must be installed prior to 1/1/23 in the South & South West regional territories

AHRI Directory

- AHRI directory is now updated with 'M' and 'M1' search criteria!

The screenshot shows the AHRI Directory search interface. On the left, the 'Quick Search Criteria' section includes dropdowns for Manufacturer Type, Outdoor Unit Brand Name, Indoor Unit Brand Name, and Furnace Model Number. Below this is a 'Select Range Calculated By' section with input fields for Cooling Capacity (A2), SEER, EER (A2), IEER, and EER2 (AFull) for both AHRI 210/240 - 2017 with Addendum 1 and AHRI 210/240 - 2023. A red arrow points from the 'Clear' button in this section to the 'Clear' button in the 'AHRI 210/240 - 2017 with Addendum 1' search box.

The main search results area is titled 'Air Conditioners and Air Conditioner Coils'. It features a table with columns for AHRI Certified Reference Number, Manufacturer, Model, and various performance metrics. Two blue arrows point to specific columns: 'M' Ratings (pointing to the IEER and SEER columns) and 'M1' Ratings (pointing to the EER2 (AFull) column).

Below the search criteria is a detailed search box for 'AHRI 210/240 - 2017 with Addendum 1'. It includes input fields for Cooling Capacity (A2) - Single or High Stage (95F), SEER, EER (A2) - Single or High Stage (95F), and IEER, each with 'Min' and 'Max' values. Below this is another search box for 'AHRI 210/240 - 2023' with input fields for Cooling Capacity (AFull) - Single or High Stage (95F), btuh, SEER2, and EER2 (AFull) - Single or High Stage (95F). A 'Clear' button and a 'Search' button are at the bottom, with the text 'Conduct Advanced Search' below the search button.

To the right, a table titled 'AHRI Certified Ratings - AHRI 210/240 - 2017' and 'AHRI Certified Ratings - AHRI 210/240 - 2023' is shown. The table has columns for Cooling Capacity (A2) - Single or High Stage (95F), btuh; EER (A2) - Single or High Stage (95F); IEER; SEER; Indoor Full-Load Air Volume Rate (A2 SCFM); Indoor Cooling Intermediate Air Volume Rate (Ev SCFM); Indoor Cooling Minimum Air Volume Rate (B1 SCFM); Cooling Capacity (AFull) - Single or High Stage (95F), btuh; EER2 (AFull) - Single or High Stage (95F); SEER2; and Total Cooling Full Load Air Volume Rate (SCFM). A blue box highlights the EER (A2) - Single or High Stage (95F), IEER, and SEER columns, with a blue arrow labeled 'M' Ratings pointing to it. Another blue box highlights the EER2 (AFull) - Single or High Stage (95F) and SEER2 columns, with a blue arrow labeled 'M1' Ratings pointing to it. A blue bracket at the bottom of the table indicates that legacy AC units can be sold after Jan 1, 2023 with ratings in both columns.

Cooling Capacity (A2) - Single or High Stage (95F),btuh	AHRI Certified Ratings - AHRI 210/240 - 2017			AHRI Certified Ratings - AHRI 210/240 - 2023			Total Cooling Full Load Air Volume Rate (SCFM)
	EER (A2) - Single or High Stage (95F)	IEER	SEER	Cooling Capacity (AFull) - Single or High Stage (95F),btuh	EER2 (AFull) - Single or High Stage (95F)	SEER2	
57500	13.00	15.50	1550				
57000	12.00	14.50	1750				
56500	12.00	14.50	1650				

Legacy AC's that can be sold AFTER Jan 1, 2023 will have ratings in both columns.

Product Transition Timing

Platinum



Platinum 18



Platinum 19

HP only



Platinum 20

Gold



Oct 2022

Gold 16

Silver



AC only

Nov '22

Silver 13



AC: Aug '22
HP: Nov '22

Silver 14



Nov '22

Silver 15



AC: Oct '22
HP: Dec '22

Silver 14/15

TBD*

Take-Aways:

- August: Launching 14 SEER AC's.
- Oct – Dec: Rolling in other families.
- *Complete transition to new DOE product before January 1, 2023*



AC only

Nov '22

A4AC3



AC: Aug '22
HP: Nov '22

A4AC4
A4HP4



Nov '22

A4AC6
A4HP6

Product Transition Timing Continued...

Product	Stage	Old Family	New Family	Product Bulletin	Last Order (Old) First Order (New)	Prod Stop (Old) Prod Start (New)	Sell-Through Region Impacted
AC	1-Stage	A4AC30	A4AC30	July	August	November	--
		A4AC40	A4AC40	April	May	August	SE & SW
		A4AC60	A4AC50	July	August	November	--
		Silver 13	Silver 13	July	August	November	--
		Silver 14	Silver 14	April	May	August	SE & SW
		Silver 16	Silver 15	July	August	November	--
	Silver 16 SD	Silver (TBD) SD	August	September	September	SE & SW	
	2-Stage	Gold 17	Gold 16	June	July	October	--
VSPD	Platinum 18/20	Platinum 18/20	N/A	N/A	N/A	--	

Product	Stage	Old Family	New Family	Product Bulletin	Last Order (Old) First Order (New)	Prod Stop (Old) Prod Start (New)	Sell-Through Region Impacted
HP	1-Stage	A4HP40	A4HP40	June	July	October	--
		A4HP60	A4HP50	June	July	October	--
		Silver 14	Silver 14	June	July	October	--
		Silver 16	Silver 15	June	July	October	--
		Silver 16 SD	Silver (TBD) SD	August	September	December	--
	2-Stage	Gold 17	Gold 16	June	July	October	--
	VSPD	Platinum 19	Platinum 19	N/A	N/A	N/A	--
		Platinum 18/20	Platinum 18/20	N/A	N/A	N/A	--

Timing:

- Bulletin 30 days ahead of Last Order*
- Last Order 3 months ahead of Prod Stop*
- Ratings available at time of bulletin

*some exceptions apply, see table

Order Management

- We will be allocating our final production quantities.
 - Regional managers will reach out with details in the coming months.
- 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.

Ongoing Communication

- DOE 'Office Hours' call
 - Will begin hosting a 1-hour open office hours call, every other week beginning the week of 2/21.
 - Calls will include both brands.
 - Will discuss any new information, as well as answer any questions or cover any topic that is requested.
- DOE Portal
 - 'One Stop Shop' for DOE materials and info. Will add new info and documents over time.
 - FAQ
 - Phase-In & Phase-Out information
 - Model Number transition details
 - Regional Dealer Fliers
- Future Refrigerant

The screenshot displays the American Standard MAX Marketing Advertising Express portal. The navigation bar includes options like 'CREATE AN AD', 'IMAGE LIBRARY', 'VIDEO LIBRARY', 'INFO CENTER', 'MY LIBRARY', 'MANAGE AD', 'MANAGE CONTENT', 'REPORTS', and 'PORTAL'. The 'INFO CENTER' tab is highlighted with a red dashed box. A red arrow points from this box to the 'DOE Flyers (6) NEW' link in the left-hand navigation menu, which is also highlighted with a red dashed box. The main content area shows three PDF documents: 'Ameristar - Southwest NEW', 'Ameristar - Southeast NEW', and 'Ameristar - North NEW', each with 'Edit' and 'Download' buttons.

Questions?

Type questions into the chat window

OR

Press *6 to unmute