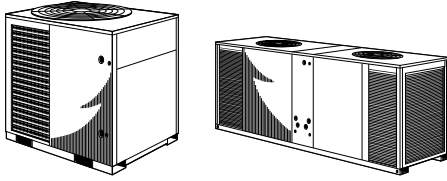


Odyssey with Symbio™ Cooling Split Systems Single Circuit, Three Phase – 6-25 Tons, R-410A



TTA – 6-25 Tons

- Symbio™ controls option
- (1) Scroll compressor (TTA072-120A)
- (2) Scroll compressors (TTA072-240D) with independent refrigerant circuits
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- All Aluminum microchannel coil
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- 5-year compressor warranty
- 1-year limited parts warranty
- Optional Extended Warranties

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 = 460VAC - 3 PH (60Hz)
 W = 575VAC - 3 PH (60Hz)

Digit 9 – Refrigeration Circuit/Stage
 A = 1 Compressor/1 Line/1 Stage (Single)
 C = 2 Compressors/1 Line/2 Stage (Manifold)

Digit 10 – Major Design Sequence
 A = Current Design Sequence

Digit 11 – Minor Design Sequence
 A = Current Design Sequence

Digit 12–13 – Service Digits

Digit 14 – Efficiency Generation
 B = Generation B

Digit 15 – Controls
 S = Symbio™

Digit 16 – None
 0 = Not Used

Digit 17 – Coil Protection

1 = Standard Coil w/ Hail Guard
 5 = Complete Coat Condenser Coil with Hail Guard (MCHE)

Digit 18-20 – None
 0 = Not Used

Digit 21 – Communications Options
 0 = No Option
 1 = BACnet® BAS Communications
 2 = LonTalk® Communications Interface (LCI)

Digit 22-40 – 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. (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound [Ⓢ] Rating	MCA*	Max. Fuse*	Connection Size (in)	
			H	W	L					OD Gas	OD Liq.
TTA07243A	208-230/3/60	76,000	46	45	38	324	84	28	45	1 ¹ / ₈	1 ¹ / ₂
TTA09043A	208-230/3/60	95,000	45	45	38	342	83	34	60	1 ³ / ₈	1 ¹ / ₂
TTA07244A	460/3/60	76,000	46	45	38	324	84	12	20	1 ¹ / ₈	1 ¹ / ₂
TTA09044A	460/3/60	95,000	45	45	38	342	83	17	25	1 ³ / ₈	1 ¹ / ₂
TTA0724WA	575/3/60	76,000	46	45	38	324	84	9	15	1 ¹ / ₈	1 ¹ / ₂
TTA0904WA	575/3/60	95,000	45	45	38	342	83	13	20	1 ³ / ₈	1 ¹ / ₂

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

Model Number	Power Supply	AHRI Net Cooling Cap. (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound [Ⓢ] Rating	MCA*	Max. Fuse*	Connection Size (in)	
			H	W	L					OD Gas	OD Liq.
TTA12043C	208-230/3/60	122,000	45	55	42	473	91	41	50	1 ³ / ₈	1 ¹ / ₂
TTA18043C	208-230/3/60	184,000	51.1	96	48	806	93	67	90	1 ⁵ / ₈	5 ⁵ / ₈
TTA24043C	208-230/3/60	250,000	51.1	96	48	879	94	98	125	1 ⁵ / ₈	5 ⁵ / ₈
TTA30043C	208-230/3/60	296,000	57.1	96	48	1013	94	102	125	2 ¹ / ₈	5 ⁵ / ₈
TTA12044C	460/3/60	122,000	45	55	42	473	91	20	25	1 ³ / ₈	1 ¹ / ₂
TTA18044C	460/3/60	188,000	51.1	96	48	806	93	32	40	1 ⁵ / ₈	5 ⁵ / ₈
TTA24044C	460/3/60	250,000	51.1	96	48	879	94	47	60	1 ⁵ / ₈	5 ⁵ / ₈
TTA30044C	460/3/60	296,000	57.1	96	48	1013	94	49	60	2 ¹ / ₈	5 ⁵ / ₈
TTA1204WC	575/3/60	122,000	45	55	42	473	91	15	20	1 ³ / ₈	1 ¹ / ₂
TTA1804WC	575/3/60	184,000	51.1	96	48	806	93	37	50	1 ⁵ / ₈	5 ⁵ / ₈
TTA2404WC	575/3/60	250,000	51.1	96	48	879	94	39	50	1 ⁵ / ₈	5 ⁵ / ₈
TTA3004WC	575/3/60	297,000	57.1	96	48	1013	94	42	50	2 ¹ / ₈	5 ⁵ / ₈

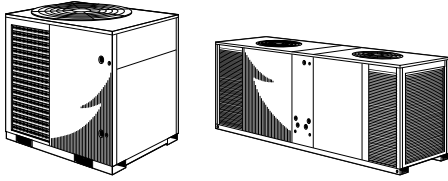
Ⓢ Sound rating shown is tested in accordance with ARI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

BUILT TO A HIGHER STANDARD[®]

American Standard[®]
HEATING & AIR CONDITIONING

Odyssey with Symbio™ Cooling Split Systems Dual Circuit, Three Phase – 6-25 Tons, R-410A



TTA – 6-25 Tons

- Symbio™ controls option
- (2) Manifolder scroll compressors
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- All aluminum microchannel coil
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- 5-year compressor warranty
- 1-year limited parts warranty
- Optional Extended Warranties

Model Number Description – Cooling Condenser

Digit 1-3 – Unit Function
TTA = Split System Cooling

Digit 4-6 – Tonnage
072 = 6.0 Tons (60Hz)
090 = 7.5 Tons (60Hz)
120 = 10 Tons (60Hz)
180 = 15 Tons (60Hz)
240 = 20 Tons (60Hz)

Digit 7 – Refrigerant
4 = R410A

Digit 8 – Voltage
3 = 208-230VAC - 3 PH (60Hz)
4 = 460VAC - 3 PH (60Hz)
W = 575VAC - 3 PH (60Hz)

Digit 9 – Refrigeration Circuit/Stage
D = 2 Compressors/2 Line/2 Stage (Duals)

Digit 10 – Major Design Sequence
A = Current Design Sequence

Digit 11 – Minor Design Sequence
A = Current Design Sequence

Digit 12-13 – Service Digits

Digit 14 – Efficiency Generation
B = Generation B

Digit 15 – Controls
S = Symbio™

Digit 16 – None
0 = Not Used

Digit 17 – Coil Protection
1 = Standard Coil with Hail Guard
5 = Complete Coat Condenser Coil with Hail Guard (MSHE)

Digit 18-20 – None
0 = Not Used

Digit 21 – Communications Options
1 = BACnet® BAS Communications
2 = LonTalk® Communications Interface (LCI)

Digit 22-40 – None
0 = Not Used

Table LSC-2-B – TTA Split System Cooling – Dual Compressors with Two Sets of Refrigerant Circuits - R-410 Refrigerant

Model Number	Power Supply	AHRI Net Cooling Cap. (BTUH)	Uncrated Dimensions(in.)			Shipping Weight (lbs.)	Sound [Ⓢ] Rating	MCA*	Max. Fuse*	Connection Size (in)	
			H	W	L					OD Gas	OD Liq.
TTA07243D	208-230/3/60	75,000	45	45	38	344	91	23	30	7/8	1/2
TTA09043D	208-230/3/60	93,000	45	45	38	380	91	33	45	1 1/8	1/2
TTA12043D	208-230/3/60	116,000	45	55	42	436	91	41	50	1 1/8	1/2
TTA15043D	208-230/3/60	150,000	52.1	55	42	504	93	55	70	1 1/8	1/2
TTA18043D	208-230/3/60	186,000	51.1	96	48	806	93	66	90	1 3/8	1/2
TTA24043D	208-230/3/60	246,000	51.1	96	48	872	94	87	110	1 3/8	1/2
TTA07244D	460/3/60	75,000	45	45	38	344	91	14	20	7/8	1/2
TTA09044D	460/3/60	91,000	45	45	38	380	91	15	20	1 1/8	1/2
TTA12044D	460/3/60	116,000	45	55	42	436	91	20	25	1 1/8	1/2
TTA15044D	460/3/60	155,000	52.1	55	42	504	93	26	35	1 1/8	1/2
TTA18044D	460/3/60	193,000	51.1	96	48	806	93	32	40	1 3/8	1/2
TTA24044D	460/3/60	246,000	51.1	96	48	872	94	40	50	1 3/8	1/2
TTA0724WD	575/3/60	75,000	45	45	38	344	91	10	15	7/8	1/2
TTA0904WD	575/3/60	93,000	45	45	38	380	91	11	15	1 1/8	1/2
TTA1204WD	575/3/60	116,000	45	55	42	436	91	14	15	1 1/8	1/2
TTA1504WD	575/3/60	150,000	52.1	55	42	504	93	19	25	1 1/8	1/2
TTA1804WD	575/3/60	186,000	51.1	96	48	806	93	25	30	1 3/8	1/2
TTA2404WD	575/3/60	246,000	51.1	96	48	872	94	31	40	1 3/8	1/2

Ⓢ Sound rating shown is tested in accordance with ARI Standard 270 or 370.

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Light Commercial
Split System Cooling

Odyssey with Symbio™ Cooling Split Systems - R410A - 6-25 Ton Condenser Accessories

Table LSC-3-A — TTA Accessories

Model	Used With
Universal Hot Gas Bypass Kit	
BAYHGBP010*	All models
Rubber Isolators	
BAYISLT004* (blue)	TTA072, TTA090
BAYISLT005* (black)	TTA120
BAYISLT009* (red)	TTA150, TTA180
BAYISLT010* (green)	TTA240, TTA300
Steel Spring Isolators	
BAYISLT023* (red)	TTA072, TTA090, TTA120**A
BAYISLT024* (black)	TTA120**C/D, TTA150, TTA180
BAYISLT025* (yellow)	TTA240, TTA300
Service Valve Kit	
BAYVALV001	TTA0724*A, TTA0904*A, TTA1204*C
BAYVALV003	TTA0724*D, TTA0904*D, TTA1204*D
BAYVALV004	TTA1504*D
BAYVALV005	TTA1804*D, TTA2404*D
BAYVALV007	TTA1804*C, TTA2404*C
BAYVALV008	TTA3004*C
Low Ambient — On/Off Fan Control (External mount, small cabinets)① ② ③	
BAYLOAMS10* (External Mount, small cabinets)④	(all voltages) TTA072, TTA090
BAYLOAMS20* (Internal mount, large cabinets)	(all voltages) TTA120, TTA150, TTA180, TTA240, TTA300
Transducer Kit for Head Pressure Control (BAYLOAM10*)	
BAYLOTR001*④	TTA120**D, TTA150**D
LonTalk Communications Interface⑤	
BAYLTIC005*	All Models
Expansion Module Kit	
BAYMODU002* (XM30)	All Models
BAYMODU004* (XM32)	All Models

① Cycles fan on/off (no modulating).

② When BAYLOAM is used, the Evaporator Defrost Control (EDC) must be disabled in the Symbio 700 controller configuration.

③ Kit mounts external to the outdoor unit and operates by sensing ambient and liquid line temperatures.

④ BAYLOTR001* is required when BAYLOAMS10* kits are used with units that have 2 compressors (dual circuit) and 1 condenser fan.

⑤ Field installed LonTalk interface requires installation of Symbio control board with Advanced Diagnostics (not included).

Split System Cooling Three Phase – 6-25 Tons

Table LSC-4-A – Symbio™ Control Options

Model Number	Description	Used With
BAYSENS107	Zone Sensor, Set Point Adj, Fan, System, EH, ED	TTA072-TTA300 with Symbio™ Controls
BAYSENS109	Zone Sensor, 2 Set Point Adj, Fan, System, EH, ED	TTA072-TTA300 with Symbio™ Controls
BAYSENS119	Digital Programmable Zone Sensor	TTA072-TTA300 with Symbio™ Controls
BAYSENS135	Digital Non-Programmable Zone Sensor	TTA072-TTA300 with Symbio™ Controls
BAYSENS106	Zone Sensor, Set Point, Fan, System	TTA072-TTA300 with Symbio™ Controls
BAYSENS108	Zone Sensor, 2 Set Point, Fan, System	TTA072-TTA300 with Symbio™ Controls
BAYSENS110	Zone Sensor, 2 Set Point, Fan, System, ED	TTA072-TTA300 with Symbio™ Controls

Table LSC-4-B – Electromechanical Control Options

Model Number	Description	Used With
TCONT102AN11AA	1H/1C Non-Programmable Thermostat	TTA072A, TTA090A
TCONT103AN21HA	2H/1C Non-Programmable Thermostat	TTA072A, TTA090A
TCONT402AN32DA	3H/2C Non-Programmable Thermostat	ALL
TCONT202AS11MA	1H/1C Programmable Thermostat	TTA072A, TTA090A
TCONT302AS42DA	4H/2C Touchscreen Programmable Thermostat	ALL
TCONT303AS42DA	4H/2C Touchscreen Programmable Thermostat, Humidity Sensor	ALL
BAYSTAT814A	Picot Smart Thermostat	ALL