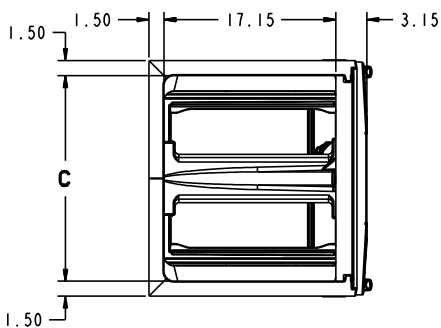
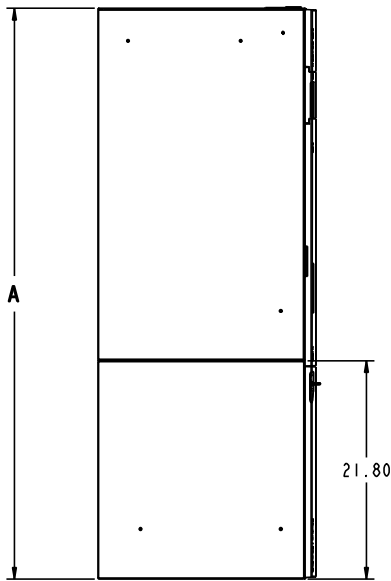
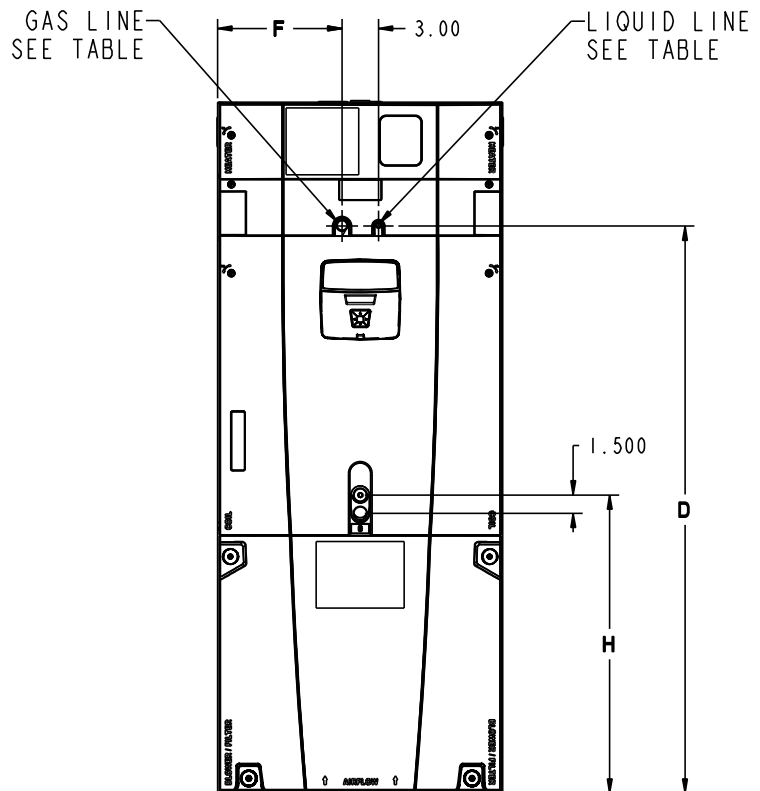
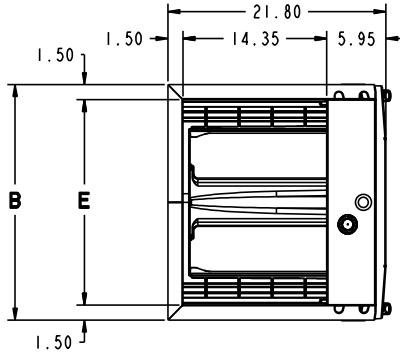


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# Submittal

## 5 Ton Variable Speed Outdoor Compatible Convertible Air Handler Black Epoxy Coil - TAM8C0C60V51EA Standard Coil - TAM8C0C60V51CB



MINIMUM UNIT CLEARANCE TABLE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)	SERVICE CLEARANCE (RECOMMENDED)
SIDES	0"	2"
FRONT	0"	21"
BACK	0"	0"
INLET DUCT	0"	
OUTLET DUCT	0"	

MODEL NO.	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAM8C0C60V51	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8

## PRODUCT SPECIFICATIONS

### PRODUCT SPECIFICATIONS

<b>MODEL</b>	<b>TAM8C0C60V51CB</b> <b>TAM8C0C60V51EA</b>
<b>RATED VOLTS/PH/HZ.</b>	200-230/1/60
<b>RATINGS</b> ①	See O.D. Specifications
<b>INDOOR COIL — Type</b>	Plate Fin
Rows — F.P.I.	4 - 14
Face Area (sq. ft.)	5.96
Tube Size (in.)	3/8
Refrigerant Control	EEV
Drain Conn. Size (in.) ②	3/4 NPT
<b>DUCT CONNECTIONS</b>	See Outline Drawing
<b>INDOOR FAN — Type</b>	Centrifugal
Diameter-Width (In.)	11 X 10
No. Used	1
Drive - No. Speeds	Direct - Variable
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1
Motor Speed R.P.M.	Variable ECM
Volts/Ph/Hz	208-230/1/60
F.L. Amps	5.5
<b>FILTER</b>	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 - 22 X 20 - 1 in.
<b>REFRIGERANT</b>	<b>R-410A</b>
Ref. Line Connections	Brazed
Coupling or Conn. Size — in. Gas	7/8
Coupling or Conn. Size — in. Liq.	3/8
<b>DIMENSIONS</b>	H x W x D
Crated (In.)	62.8 x 25.5 x 24.5
Uncrated	61.7 x 23.5 x 21.8
<b>WEIGHT</b>	
Shipping (Lbs.)/Net (Lbs.)	175/163

- ① These Air Handlers are A.H.R.I. certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.
- ② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)



Heater Attribute Data											
TAM8C0C60V51CB, TAM8C0C60V51EA											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	5.5**	7	15	-	-	5.5**	7	15
BAYEVAC04++1	1	3.84	13100	16.0	27	30	2.88	9800	13.8	24	25
BAYEVAC05++1	1	4.80	16400	20.0	32	35	3.60	12300	17.3	29	30
BAYEVAC08++1	1	7.68	26200	32.0	47	50	5.76	19700	27.7	41	45
BAYEVAC10++1	1	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	35	35	7.20	24600	20.0	31	35
BAYEVC15LG3	1-3 PH	14.40	42000	34.6	49	50	10.80	36900	30.0	44	45
BAYEVC15BK1 - Circuit 1 ① BAYEVC15BK1 - Circuit 2	2	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVC20BK1 - Circuit 1 ① BAYEVC20BK1 - Circuit 2	2	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 ② - Circuit 1 ① BAYEVCC25BK1 - Circuit 2 BAYEVCC25BK1 - Circuit 3	3	9.60	32800	40.0	57	60	7.20	24600	34.6	50	50
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: \*\* Motor Amps  
 ① MCA and MOP for circuit 1 contains the motor amps  
 ② Heater not qualified for 208V when installed in horizontal left position without Heat Pump

**Notes:**

1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

**IMPORTANT: TZONE850/950 communicating thermostats MUST be used for Variable Speed Outdoor units.**

**TAM8C0C60 AIRFLOW PERFORMANCE  
CONSTANT CFM MODE / CONSTANT TORQUE MODE**

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)						HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					
			0.1	0.3	0.5	0.7	0.9	0.1			0.3	0.5	0.7	0.9		
			1040 / 1151 94 / 119	1068 / 1056 151 / 148	1075 / 941 203 / 168	1066 / 799 247 / 175	1046 / 607 283 / 165	290 CFM/ton			1039 95	1065 151	1071 203	1063 247	1045 283	
3.5 tons	290 CFM/ton	CFM Watts	1312 / 1343 171 / 178	1332 / 1264 236 / 210	1336 / 1174 296 / 235	1329 / 1068 349 / 250	1314 / 945 392 / 251	350 CFM/ton	CFM Watts	1247 150	1266 213	1270 270	1263 321	1248 363		
	370 CFM/ton	CFM Watts	1408 / 1496 206 / 238	1425 / 1426 274 / 273	1429 / 1346 337 / 301	1423 / 1256 393 / 319	1410 / 1154 440 / 325	400 CFM/ton	CFM Watts	1407 206	1423 274	1426 337	1421 392	1409 439		
	450 CFM/ton	CFM Watts	1565 / 1650 274 / 312	1579 / 1585 348 / 348	1584 / 1512 416 / 378	1580 / 1432 477 / 398	1569 / 1343 529 / 407	450 CFM/ton	CFM Watts	1564 274	1578 348	1582 416	1578 476	1569 529		
	290 CFM/ton	CFM Watts	1186 / 1304 131 / 164	1208 / 1223 192 / 196	1213 / 1128 248 / 220	1206 / 1018 297 / 234	1189 / 887 337 / 233	290 CFM/ton	CFM Watts	1185 131	1206 192	1210 248	1203 297	1187 337		
	370 CFM/ton	CFM Watts	1480 / 1514 235 / 245	1495 / 1444 306 / 280	1499 / 1365 372 / 308	1495 / 1277 430 / 327	1482 / 1177 479 / 334	350 CFM/ton	CFM Watts	1407 206	1423 274	1426 337	1421 392	1409 439		
4 tons	400 CFM/ton	CFM Watts	1587 / 1689 285 / 332	1602 / 1625 360 / 369	1606 / 1554 429 / 399	1602 / 1475 490 / 420	1592 / 1399 543 / 430	400 CFM/ton	CFM Watts	1587 285	1600 360	1604 428	1601 490	1592 543		
	450 CFM/ton	CFM Watts	1770 / 1873 386 / 443	1784 / 1813 468 / 481	1789 / 1747 543 / 512	1788 / 1675 612 / 534	1782 / 1597 671 / 546	450 CFM/ton	CFM Watts	1770 385	1783 467	1788 543	1788 611	1782 671		
	290 CFM/ton	CFM Watts	1322 / 1431 174 / 211	1340 / 1358 240 / 245	1345 / 1274 300 / 271	1338 / 1179 353 / 288	1323 / 1089 397 / 292	290 CFM/ton	CFM Watts	1321 174	1338 240	1342 300	1336 352	1322 396		
	370 CFM/ton	CFM Watts	1646 / 1667 315 / 320	1660 / 1602 392 / 357	1665 / 1530 463 / 386	1662 / 1451 527 / 407	1653 / 1363 582 / 417	350 CFM/ton	CFM Watts	1564 274	1578 348	1582 416	1578 476	1569 529		
	400 † CFM/ton	CFM Watts	1770 / 1873 386 / 443	1784 / 1813 468 / 481	1789 / 1747 543 / 512	1788 / 1675 612 / 534	1781 / 1597 671 / 546	400 † CFM/ton	CFM Watts	1770 385	1783 467	1788 543	1788 611	1782 671		
4.5 tons ***†	450 CFM/ton	CFM Watts	1989 / 2099 535 / 612	2004 / 2042 627 / 650	2012 / 1980 712 / 681	2013 / 1913 788 / 703	2009 / 1842 855 / 716	450 CFM/ton	CFM Watts	1989 534	2003 626	2011 711	2015 788	2011 856		
	290 CFM/ton	CFM Watts	1452 / 1557 224 / 265	1469 / 1489 294 / 301	1473 / 1413 358 / 329	1468 / 1327 415 / 348	1455 / 1231 463 / 356	290 CFM/ton	CFM Watts	1452 224	1467 294	1471 358	1466 415	1454 463		
	370 CFM/ton	CFM Watts	1817 / 1826 415 / 451	1831 / 1765 499 / 451	1837 / 1698 576 / 481	1837 / 1624 647 / 503	1831 / 1544 708 / 515	350 CFM/ton	CFM Watts	1723 357	1736 437	1741 511	1740 578	1734 636		
	400 CFM/ton	CFM Watts	1964 / 2073 516 / 590	1978 / 2015 607 / 629	1986 / 1953 690 / 660	1987 / 1886 766 / 682	1983 / 1814 832 / 695	400 CFM/ton	CFM Watts	1964 515	1978 606	1985 690	1988 766	1985 833		
	450 CFM/ton	CFM Watts	2231 / 2347 741 / 842	2245 / 2292 842 / 879	2252 / 2233 934 / 908	2252 / 2171 1015 / 930	2185 / 2104 1024 / 941	450 CFM/ton	CFM Watts	2232 741	2245 842	2252 934	2252 1016	2186 1023		

- † Factory Setting
- \*\* Not an actual OD size
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.4" water column.
- If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

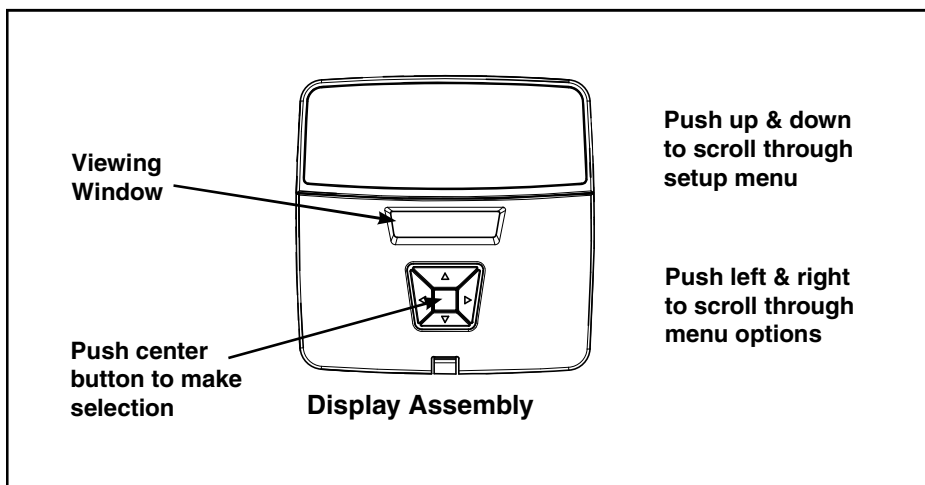
**TAM8C0C60 Minimum Heating Airflow Settings**

MODEL NO.	MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX					
	BAYEVA08BK1 BAYEVA08LG1 BAYEVA08BK1 BAYEVA08LG1	BAYEVA10BK1 BAYEVA10LG1	BAYEVAAC10LG3	BAYEVA08BK1 BAYEVA08LG1	BAYEVA08BK1 BAYEVA08LG1	BAYEVA08BK1 BAYEVA08LG1
TAM8C0C60V51	1063/1500	1125/1500	1000/1188	1125/1500	1125/1563	1500/1750
			WITHOUT HEAT PUMP / WITH HP			
			SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS			
			† Heater not qualified for 208V when installed in horizontal left position without Heat Pump			

**NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.**

# Mechanical Specifications

- Unique cabinet design
  - 2% or less air leakage
  - Precision applied - durable door seals
  - Specially designed air seal around refrigerant, condensate and conduit connections
  - Double wall foamed cabinet system
  - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
  - No loose fiber design
  - Smooth cleanable interior design
  - Sweat eliminating design
  - Composite foamed cabinet doors
  - Water proof cabinet design
  - Integrated horizontal drain pans
  - Modular cabinet
- Multi-position up/down flow horizontal left/right
- 3 Wire communication
- Display Assembly with enhanced diagnostic information and setup capability
- Side return option (sold as accessory)
- Control board protection pocket built into cabinet wall
- Premarked Conduit Connection Locations
- Alert port to view control board codes without door removal
- Alert code notification
- Low voltage terminal connection point
- Phillips head door fasteners
- **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal
- Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV
- Patented enhanced coil fin
- Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection
- Dual refrigerant compatible as shipped
- Slide in electric heaters with polarized plug connections (sold as accessory)
- Slide in hot water coils with polarized plug connections (sold as accessory)
- UVC light kit with safety switch and polarized plug connections (sold as accessory)
- Labeled panels and connections
- Molded in 1" standard filter rail
- Variable speed ECM motor
- Soft start fan motor operation
- **Comfort R™** mode
- Built in fan delay modes
- Maximum width of 23.5"
- Compact 20.8" depth with doors removed
- Fused 24v power
- Safety door switch
- **5 year warranty**
- **10-year warranty registered**
- **Optional extended warranty available**



**Ingersoll Rand**  
 6200 Troup Highway  
 Tyler, TX 75707

The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.

