



GE APPLIANCES

Product Specifications

NAM**E1TA5S COMPACT AIR HANDLER

RESIDENTIAL PRODUCT SPECIFICATIONS

- Upflow/Horizontal
- Downflow with Accessory Conversion Kit
- Constant Torque Motor
- Total Corrosion Technology Designed Coil
- TXV Furnished
- R-454B
- 60Hz
- 2 to 5 Tons
- Optional Electric Heat - 5 to 20 kW

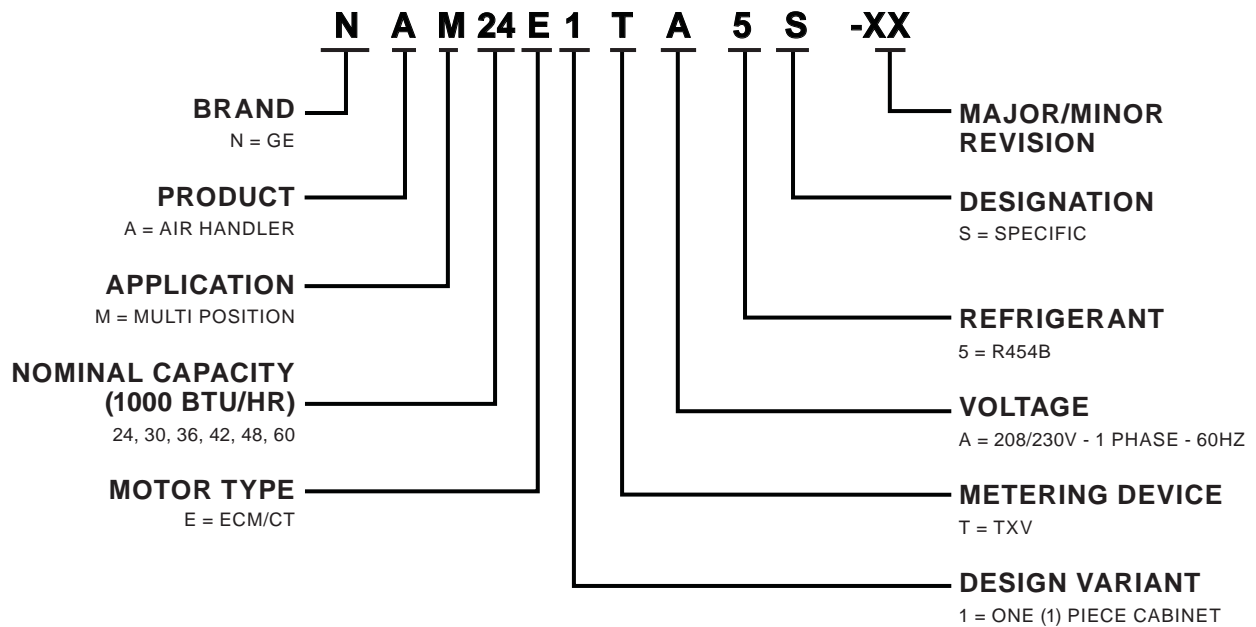


**READ CAREFULLY.
KEEP THESE INSTRUCTIONS.**

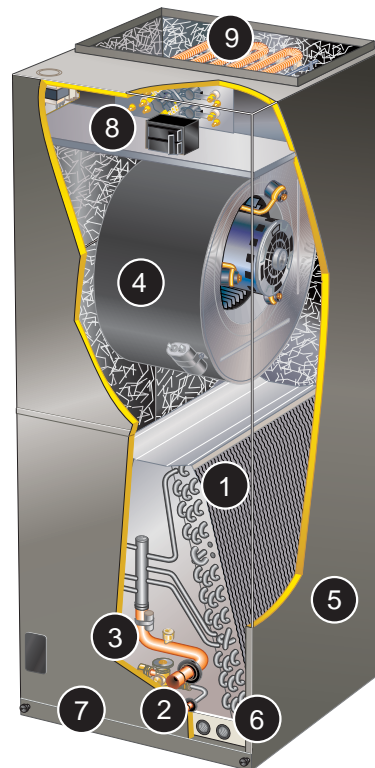
NAM**E1TA5S

PRODUCT SPECIFICATIONS

MODEL NUMBER GUIDE



1. GE Total Corrosion Technology Designed Coil
2. Mechanical or Brazed Line Set Connections
3. Check and Expansion Valve
4. Constant Torque Blower Motor
5. Heavy Gauge Steel Cabinet
6. Anti-Microbial Dual Position Drain Pans
7. Built in Filter Rack
8. Transformer and Blower Relay
9. Electric Heat (optional)



APPROVALS

- Tested with matching air conditioners and heat pump units in accordance with AHRI Standard 210/240-2023
- AHRI Certified system match-ups and expanded ratings, visit **AHRIDirectory.org**
- ETL Listed to US and Canadian safety standards and components within are bonded for grounding to meet safety standards for servicing required by NEC and CEC
- Optional electric heaters are ETL listed and rated in accordance with US Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations
- Blower performance data according to unit tests conducted in GE Appliances air test chamber
- Approved for installation in manufactured housing and mobile homes
- ISO 9001 Registered Manufacturing Quality System

APPLICATIONS

- 2 to 5 ton nominal sizes
- Upflow or horizontal applications
- **NOTE** - Downflow applications require optional conversion kit.
- Applicable to expansion valve systems in cooling applications and check and expansion valve systems in heat pump applications
- Wide-range R-454B check and expansion valve is factory installed
- Optional field installed electric heaters available in several sizes for additive heating capacity

REFRIGERANT SYSTEM

Total Corrosion Technology Designed Coil

- Enhanced aluminum alloy tube/enhanced fin coil for superior corrosion resistance
- Aluminum tubing, hairpins, distributor and header tubes
- Ripple-edged aluminum fins
- Twin coil construction assembled in a “A” configuration for large surface area
- Provides excellent heat transfer and low air resistance for maximum efficiency
- Precise circuiting for uniform refrigerant distribution
- Lanced fins provide maximum exposure of fin surface to air stream
- Axial grooved tubing provides superior heat transfer
- Coil thoroughly factory tested under high pressure to ensure leakproof construction

Mechanical or Brazed Line Set Connections

- Copper refrigerant sweat connections on both liquid and suction lines for easy brazing
- Lines extend outside of the cabinet for ease of connection
- See dimension drawings for locations

Braze-Free/Press Fitting Flexibility

- Units can accommodate braze-free or press fittings for installation versatility

R-454B Check and Expansion Valve

- For use with R-454B systems
- Wide range valve with Chatleff style fitting
- Factory installed on all models, internal to cabinet

Refrigerant Detection System (RDS) Air Handler Sensor Kit

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Consists of a factory installed Refrigerant Detection System (RDS) sensor and a Refrigerant Detection System (RDS) Blower Control Board

Refrigerant Detection System (RDS) Air Handler Sensor

- Sensor ensures safe operation for systems equipped with R-454B refrigerant
- Indoor sensor will detect any R-454B refrigerant

NOTE - Sensor must be repositioned for horizontal-right, horizontal-left, and downflow applications.

Blower Control Board

- Connects to the RDS sensor
- Used as interface between indoor unit and thermostat to control system
- Ensures safe operation for systems equipped with R-454B refrigerant
- If R-454B refrigerant is detected, the refrigerant detection system will stop compressor and/or heating operation and operate the blower to reduce concentrations in the conditioned space
- Once safe levels are reached the HVAC system will resume normal operation
- Multi-color LED for system status and as an aid in troubleshooting
 - Flashing LED codes for system status (Green/Blue) and diagnosing Sensor errors (Red)
- Alarm relay can trigger an external alarm if R-454B refrigerant is detected
- Zone relay opens all zone dampers (if part of a zoning system) if R-454B refrigerant is detected
- Power is disabled to thermostat to prevent demand if R-454B refrigerant is detected
- On system start-up blower will run for five minutes and any thermostat demands are disabled

NOTE - Refer to the Installation Instructions for additional information.

BLOWER

Constant Torque Blower Motor

- Programmable high efficiency multi-speed blower motor
- By maintaining constant torque output, blower motor can deliver more uniform (but not constant) airflow over the static pressure range
- Programmable multi-speed operation is achieved by the use of an ECM (Electronically Commutated Motor) motor
- Leadless blower motor features simple plug-in connections
- Choice of blower speeds is available
- See **Blower Data** tables
- Blower speed change is easily accomplished by a simple wiring change

Blower Assembly

- Each blower is statically and dynamically balanced as an assembly before installation in the unit
- Blower motor is resiliently mounted to blower assembly
- Blower slides out of cabinet for servicing

CABINET

- Constructed of heavy gauge galvanized steel
- Pre-painted cabinet finish
- Completely insulated with foil faced fiberglass insulation
- Removable panels provide complete service access
- Filter access door for easy filter replacement
- Thumbscrews hold filter door in place
- Electrical inlets provided in sides and top of cabinet
- See dimension drawing for locations
- Plugs in cabinet for drain connections for upflow (left and right) and horizontal applications
- See dimension drawing

Low Leakage Cabinet

- All models have less than 2% air leakage and meet **ANSI/ASHRAE Standard 193-2010** "Method of Test for Determining the Air Tightness of HVAC Equipment"

Upflow/Horizontal Capability (Optional Downflow)

- Shipped for upflow and horizontal right-hand discharge
- May be field converted to horizontal left-hand air discharge by repositioning horizontal drain pan
- Optional downflow kit required for field conversion

Anti-Microbial Dual Position Drain Pans

- Anti-Microbial additive resists growth of mold and mildew on drain pan which improves indoor air quality and reduces drain line blockage
- Drain pans designed for upflow or horizontal applications
- Deep, corrosion resistant high temperature engineered polymer drain pans have dual pipe drains
- See dimension drawing

Filter

- Disposable 1 inch filter is furnished
- Filter rack furnished in cabinet for easy filter installation
- See Specifications tables for filter sizes

Transformer

- 24 volt transformer and blower cooling relay furnished as standard
- Factory installed in the unit control box

CABINET (CONT)**Optional Accessories****Downflow Conversion Kit**

- Required for field conversion to downflow position
- Kit consists of insulated downflow drain pan, insulated drain pan drip shields, coil drip shields, seal plates and support brackets for repositioning coil and drain pan

Horizontal Support Frame Kit

- Provides support of unit in horizontal applications
- Consists of (2) 1 x 1-1/2 x 32-5/8 in. and (2) 1 x 3 x 53-7/8 in. painted heavy gauge cold rolled steel support channels with assembly and suspending holes
- Bolts and nuts furnished for field assembly
- Suspending rods must be field provided

Side Return Unit Stand (Upflow Only)

- Raises unit 16 in. above floor for side return air duct connection
- Eliminates need for wooden platform construction
- All aluminum construction
- Two adjustable frames fit all sizes

OPTIONAL ELECTRIC HEAT

- ETL listed
- Field install internal to unit cabinet
- Available in several kW sizes
- See Electric Heat tables
- Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life
- Each element equipped with accurately located limit control with fixed temperature off setting and automatic reset
- Thermal sequencer relay brings elements on and off line, in sequence and equal increments, with time delay between each
- Heating control relay(s) furnished as standard
- Factory assembled with controls installed and wired
- Electric heat control wiring plugs into mating connector on air handler unit

Circuit Breaker (CB) Models

- All "CB" model heaters are equipped with circuit breakers for overload and short circuit protection
- Factory wired and mounted on electric heat unit
- Current sensitive and temperature actuated
- Manual reset
- Flexible plastic circuit breaker cover protects circuit breaker in areas with high humidity or unconditioned areas to prevent nuisance tripping
- Circuit breakers qualify as disconnect means at unit in many areas, eliminate the need for field provided disconnect
- Consult local electrical code in your area

Optional Accessories

Single-Point Power Source Control Box

- Control Box may be used with optional electric heat when single power supply is connected to multi-circuit electric heat
- Field installs external to the unit cabinet on either side or top
- Constructed of heavy gauge steel, baked enamel finish, pre-punched mounting holes, electrical inlet knockouts, and terminal strip
- Removeable cover provides easy access
- Dimensions (H x W x D) - 7 x 7 x 4 in.

SPECIFICATIONS				
Size		024	030	036
Nominal Tonnage		2	2.5	3
Refrigerant Type		R-454B		
Connections	Liquid line (OD) sweat - in.	3/8		
	Suction line (OD) sweat - in.	3/4		7/8
	Condensate drain (FPT) - in.	(2) 3/4		
Indoor Coil	Net face area - ft. ²	3.77	4.72	5.66
	Tube diameter - in.	3/8		
	Rows	3		
	Fins - in.	15		
Blower	HP	1/2		
	Wheel nominal diameter x width - in.	10 x 8		
	Air volume range - cfm	203 - 1054	406 - 1341	422 - 1523
¹ Filters	Size - in.	15 x 20 x 1		18 x 20 x 1
Shipping Data - lbs.		127	133	169
ELECTRICAL DATA				
Line voltage data (Volts-Phase-Hz)		208/230-1-60		
² Maximum overcurrent protection (MOCP) amps (unit)		15		
³ Minimum circuit ampacity (MCA) (unit)		5.1		
Blower Motor Full Load Amps		4.1		

SPECIFICATIONS				
Size		042	048	060
Nominal Tonnage		3.5	4	5
Refrigerant Type		R-454B		
Connections	Liquid line (OD) sweat - in.	3/8		
	Suction line (OD) sweat - in.	7/8		
	Condensate drain (FPT) - in.	(2) 3/4		
Indoor Coil	Net face area - ft. ²	5.66	6.13	7.08
	Tube diameter - in.	3/8		
	Rows	3		
	Fins - in.	15		
Blower	HP	3/4	1	
	Wheel nominal diameter x width - in.	12 x 10		
	Air volume range - cfm	568 - 1656	1110 - 1895	830 - 1980
¹ Filters	Size - in.	18 x 20 x 1		
Shipping Data - lbs.		169	179	190
ELECTRICAL DATA				
Line voltage data (Volts-Phase-Hz)		208/230-1-60		
² Maximum overcurrent protection (MOCP) amps (unit)		15		
³ Minimum circuit ampacity (MCA) (unit)		8	9.5	
Blower Motor Full Load Amps		6	7.6	

¹ Disposable filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description	024, 030	036, 042, 048, 060
Downflow Conversion Kit	Y9658	Y9659
Electric Heat	See Electric Heat Data Tables on Page 12	
Horizontal Support Frame Kit	56J18	56J18
Side Return Unit Stand (Upflow Only)	45K32	45K32
Single-Point Power Source Control Box (for Electric Heat)	21H39	21H39

REPLACEMENT CIRCUIT BREAKERS

Voltage	Description	Order Number
208/240V - 1 Phase	25 amp, 2 pole	41K13
	30 amp, 2 pole	17K70
	35 amp, 2 pole	72K07
	40 amp, 2 pole	49K14
	45 amp, 2 pole	17K71
	50 amp, 2 pole	41K12
	60 amp, 2 pole	17K72

INSTALLATION CLEARANCES WITH ELECTRIC HEAT

Cabinet	0 in (0 mm)
To Plenum	0 in (0 mm)
To Outlet Duct	0 in (0 mm)
Floor	0 in (0 mm)
Service / Maintenance	See Note #1
¹ Front service access - 24 inches (610 mm) minimum. NOTE - If cabinet depth is more than 24 inches (610 mm), allow a minimum of the cabinet depth plus 2 inches (51 mm).	

BLOWER DATA**NAM24E1TA5S PERFORMANCE**

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	676	64	820	107	1015	180	1015	180	1054	194
0.20	612	71	780	114	981	188	981	188	1020	203
0.30	514	77	752	120	953	195	953	195	987	212
0.40	448	83	712	126	922	204	922	204	958	219
0.50	400	86	678	133	899	210	899	210	940	226
0.60	337	92	598	142	865	219	865	219	902	235
0.70	270	100	535	147	831	224	831	224	881	241
0.80	203	103	495	153	799	237	799	237	833	248

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

NAM30E1TA5S PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	775	87	999	160	1132	219	1132	219	1341	346
0.20	731	94	965	168	1099	229	1099	229	1309	357
0.30	690	100	936	175	1068	237	1068	237	1289	364
0.40	647	106	899	184	1041	245	1041	245	1259	376
0.50	565	115	870	191	1014	254	1014	254	1239	385
0.60	522	118	833	197	985	261	985	261	1197	389
0.70	474	125	797	208	957	269	957	269	1168	395
0.80	406	132	715	218	928	278	928	278	1139	403

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

NAM36E1TA5S PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	865	94	1303	250	1415	312	1415	312	1523	386
0.20	812	104	1268	261	1381	325	1381	325	1492	399
0.30	747	113	1234	271	1352	336	1352	336	1462	411
0.40	674	119	1199	283	1316	348	1316	348	1434	423
0.50	620	125	1153	295	1285	360	1285	360	1403	434
0.60	565	131	1117	306	1238	377	1238	377	1363	452
0.70	484	138	1047	323	1202	386	1202	386	1315	456
0.80	422	144	1004	326	1134	396	1134	396	1281	467

NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place.
Electric heaters have no appreciable air resistance.

BLOWER DATA**NAM42E1TA5S PERFORMANCE**

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	982	132	1446	390	1560	473	1560	473	1656	569
0.20	923	140	1413	402	1526	488	1526	488	1624	581
0.30	866	148	1362	411	1500	498	1500	498	1594	591
0.40	812	153	1357	420	1469	510	1469	510	1563	602
0.50	745	162	1325	429	1437	520	1437	520	1543	613
0.60	686	169	1292	438	1413	530	1413	530	1505	615
0.70	642	176	1257	448	1345	543	1345	543	1456	613
0.80	568	185	1221	458	1335	544	1335	544	1417	612
NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.										

NAM48E1TA5S PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	1277	187	1524	279	1733	395	1773	426	1899	512
0.20	1234	197	1480	295	1697	410	1741	443	1867	530
0.30	1190	208	1442	307	1661	424	1704	460	1837	544
0.40	1145	217	1400	321	1629	437	1678	472	1806	559
0.50	1099	299	1348	332	1597	449	1645	486	1775	574
0.60	1011	243	1323	344	1552	466	1612	500	1745	588
0.70	934	252	1284	356	1519	478	1577	514	1710	604
0.80	896	258	1212	372	1482	491	1546	525	1680	616
0.90	845	272	1129	385	1451	502	1509	539	1644	632
NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.										

NAM60E1TA5S PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	Tap 1		Tap 2		Tap 3		Tap 4		Tap 5	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	1147	144	1673	387	1826	496	1903	553	2010	630
0.20	1085	155	1630	402	1791	512	1876	566	1976	642
0.30	1035	164	1596	415	1762	525	1843	583	1947	656
0.40	1006	171	1563	428	1732	538	1815	596	1912	672
0.50	954	180	1526	443	1704	551	1782	613	1883	683
0.60	825	194	1495	455	1669	567	1750	627	1851	701
0.70	783	199	1464	467	1637	582	1722	641	1821	715
0.80	739	208	1436	477	1602	597	1691	655	1776	717
0.90	687	219	1406	488	1583	604	1643	656	1745	722
NOTE - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.										

ELECTRIC HEAT DATA

NAM24E1TA5S | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
	Volt	kW	¹ Btuh			
5 kW	208	3.6	12,300	4.1	27	30
ECB45-5 (27A09)	220	4.0	13,800	4.1	28	30
Terminal Block	230	4.4	15,000	4.1	29	30
ECB45-5CB (27A13)	240	4.8	16,400	4.1	30	30
30A Circuit Breaker						
7.5 kW	208	5.6	19,200	4.1	39	⁴ 40
ECB45-7.5 (27A10)	220	6.3	21,500	4.1	41	45
Terminal Block	230	6.9	23,500	4.1	43	45
ECB45-7.5CB (27A14)	240	7.5	25,600	4.1	44	45
45A Circuit Breaker						
10 kW	208	7.2	24,600	4.1	48	⁴ 50
ECB45-10 (27A11)	220	8.0	27,500	4.1	51	60
Terminal Block	230	8.8	30,000	4.1	53	60
ECB45-10CB (27A15)	240	9.6	32,700	4.1	55	60
60A Circuit Breaker						

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.

² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

³ HACR type breaker or fuse.

⁴ **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 9.**

ELECTRIC HEAT DATA

NAM30E1TA5S | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
5 kW ECB45-5 (27A09) Terminal Block ECB45-5CB (27A13) 30A Circuit Breaker	208	3.6	12,300	4.1	27	---	30	---	---	---
	220	4.0	13,800	4.1	28	---	30	---	---	---
	230	4.4	15,000	4.1	29	---	30	---	---	---
	240	4.8	16,400	4.1	30	---	30	---	---	---
7.5 kW ECB45-7.5 (27A10) Terminal Block ECB45-7.5CB (27A14) 45A Circuit Breaker	208	5.6	19,200	4.1	39	---	⁴ 40	---	---	---
	220	6.3	21,500	4.1	41	---	45	---	---	---
	230	6.9	23,500	4.1	43	---	45	---	---	---
	240	7.5	25,600	4.1	44	---	45	---	---	---
10 kW ECB45-10 (27A11) Terminal Block ECB45-10CB (27A15) 60A Circuit Breaker	208	7.2	24,600	4.1	48	---	⁴ 50	---	---	---
	220	8.0	27,500	4.1	51	---	60	---	---	---
	230	8.8	30,000	4.1	53	---	60	---	---	---
	240	9.6	32,700	4.1	55	---	60	---	---	---
12.5 kW ECB45-12.5CB (27A16) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	4.1	43	19	⁴ 45	⁴ 20	62	70
	220	10.5	35,800	4.1	45	20	⁴ 45	⁴ 20	65	70
	230	11.5	39,200	4.1	47	21	50	25	68	70
	240	12.5	42,600	4.1	49	22	50	25	70	70
15 kW ECB45-15CB (27A17) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	4.1	48	22	⁴ 50	25	70	70
	220	12.1	41,300	4.1	51	23	60	25	74	80
	230	13.2	45,100	4.1	53	24	60	25	77	80
	240	14.4	49,100	4.1	55	25	60	25	80	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.

² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

³ HACR type breaker or fuse.

⁴ **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 9.**

ELECTRIC HEAT DATA

NAM36E1TA5S | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
5 kW	208	3.6	12,300	4.1	27	---	30	---	---	---
ECB45-5 (27A09)	220	4.0	13,800	4.1	28	---	30	---	---	---
Terminal Block	230	4.4	15,000	4.1	29	---	30	---	---	---
ECB45-5CB (27A13)	240	4.8	16,400	4.1	30	---	30	---	---	---
30A Circuit Breaker										
7.5 kW	208	5.6	19,200	4.1	39	---	⁴ 40	---	---	---
ECB45-7.5 (27A10)	220	6.3	21,500	4.1	41	---	45	---	---	---
Terminal Block	230	6.9	23,500	4.1	43	---	45	---	---	---
ECB45-7.5CB (27A14)	240	7.5	25,600	4.1	44	---	45	---	---	---
45A Circuit Breaker										
10 kW	208	7.2	24,600	4.1	48	---	⁴ 50	---	---	---
ECB45-10 (27A11)	220	8.0	27,500	4.1	51	---	60	---	---	---
Terminal Block	230	8.8	30,000	4.1	53	---	60	---	---	---
ECB45-10CB (27A15)	240	9.6	32,700	4.1	55	---	60	---	---	---
60A Circuit Breaker										
12.5 kW	208	9.4	32,000	4.1	43	19	⁴ 45	⁴ 20	62	70
ECB45-12.5CB	220	10.5	35,800	4.1	45	20	⁴ 45	⁴ 20	65	70
(27A16)	230	11.5	39,200	4.1	47	21	50	25	68	70
(1) 50A and (1) 25A	240	12.5	42,600	4.1	49	22	50	25	70	70
Circuit Breaker										
15 kW	208	10.8	36,900	4.1	48	22	⁴ 50	25	70	70
ECB45-15CB (27A17)	220	12.1	41,300	4.1	51	23	60	25	74	80
(1) 60A and (1) 25A	230	13.2	45,100	4.1	53	24	60	25	77	80
Circuit Breaker	240	14.4	49,100	4.1	55	25	60	25	80	80

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.

² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

³ HACR type breaker or fuse.

⁴ **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 9.**

ELECTRIC HEAT DATA

NAM42E1TA5S | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
5 kW ECB45-5 (27A09) Terminal Block ECB45-5CB (27A13) 30A Circuit Breaker	208	3.6	12,300	6.0	29	---	30	---	---	---
	220	4.0	13,800	6.0	30	---	30	---	---	---
	230	4.4	15,000	6.0	31	---	⁴ 35	---	---	---
	240	4.8	16,400	6.0	33	---	⁴ 35	---	---	---
7.5 kW ECB45-7.5 (27A10) Terminal Block ECB45-7.5CB (27A14) 45A Circuit Breaker	208	5.6	19,200	6.0	41	---	45	---	---	---
	220	6.3	21,500	6.0	43	---	45	---	---	---
	230	6.9	23,500	6.0	45	---	45	---	---	---
	240	7.5	25,600	6.0	47	---	⁴ 50	---	---	---
10 kW ECB45-10 (27A11) Terminal Block ECB45-10CB (27A15) 60A Circuit Breaker	208	7.2	24,600	6.0	51	---	60	---	---	---
	220	8.0	27,500	6.0	53	---	60	---	---	---
	230	8.8	30,000	6.0	55	---	60	---	---	---
	240	9.6	32,700	6.0	58	---	60	---	---	---
12.5 kW ECB45-12.5CB (27A16) (1) 50A and (1) 25A Circuit Breaker	208	9.4	32,000	6.0	45	19	⁴ 45	⁴ 20	64	70
	220	10.5	35,800	6.0	47	20	50	⁴ 20	67	70
	230	11.5	39,200	6.0	49	21	50	25	70	70
	240	12.5	42,600	6.0	51	22	⁴ 60	25	73	80
15 kW ECB45-15CB (27A17) (1) 60A and (1) 25A Circuit Breaker	208	10.8	36,900	6.0	51	22	60	25	73	80
	220	12.1	41,300	6.0	53	23	60	25	76	80
	230	13.2	45,100	6.0	55	24	60	25	79	80
	240	14.4	49,100	6.0	58	25	60	25	83	90

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.

² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

³ HACR type breaker or fuse.

⁴ **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 9.**

ELECTRIC HEAT DATA

NAM48E1TA5S, NAM60E1TA5S | SINGLE PHASE

Electric Heat Model Number	Input			Blower Motor Full Load Amps	² Minimum Circuit Ampacity		³ Maximum Overcurrent Protection		Single Point Power Source	
	Volt	kW	¹ Btuh		Ckt 1	Ckt 2	Ckt 1	Ckt 2	² Minimum Circuit Ampacity	³ Maximum Overcurrent Protection
5 kW	208	3.6	12,300	7.6	31	---	⁴ 35	---	---	---
ECB45-5 (27A09)	220	4.0	13,800	7.6	32	---	⁴ 35	---	---	---
Terminal Block	230	4.4	15,000	7.6	33	---	⁴ 35	---	---	---
ECB45-5CB (27A13)	240	4.8	16,400	7.6	35	---	⁴ 35	---	---	---
30A Circuit Breaker										
7.5 kW	208	5.6	19,200	7.6	43	---	45	---	---	---
ECB45-7.5 (27A10)	220	6.3	21,500	7.6	45	---	45	---	---	---
Terminal Block	230	6.9	23,500	7.6	47	---	⁴ 50	---	---	---
ECB45-7.5CB (27A14)	240	7.5	25,600	7.6	49	---	⁴ 50	---	---	---
45A Circuit Breaker										
10 kW	208	7.2	24,600	7.6	53	---	60	---	---	---
ECB45-10 (27A11)	220	8.0	27,500	7.6	55	---	60	---	---	---
Terminal Block	230	8.8	30,000	7.6	57	---	60	---	---	---
ECB45-10CB (27A15)	240	9.6	32,700	7.6	60	---	60	---	---	---
60A Circuit Breaker										
12.5 kW	208	9.4	32,000	7.6	47	19	50	⁴ 20	66	70
ECB45-12.5CB	220	10.5	35,800	7.6	49	20	50	⁴ 20	69	70
(27A16)	230	11.5	39,200	7.6	51	21	⁴ 60	25	72	80
(1) 50A and (1) 25A	240	12.5	42,600	7.6	53	22	⁴ 60	25	75	80
Circuit Breaker										
15 kW	208	10.8	36,900	7.6	53	22	60	25	75	80
ECB45-15CB (27A17)	220	12.1	41,300	7.6	55	23	60	25	78	80
(1) 60A and (1) 25A	230	13.2	45,100	7.6	57	24	60	25	81	90
Circuit Breaker	240	14.4	49,100	7.6	60	25	60	25	85	90
20 kW	208	14.4	49,200	7.6	53	43	60	⁴ 45	96	100
ECB45-20CB (27A18)	220	16.1	55,000	7.6	55	46	60	50	101	110
(1) 60A and (1) 50A	230	17.6	60,100	7.6	57	48	60	50	105	110
Circuit Breaker	240	19.2	65,500	7.6	60	50	60	50	110	110

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

¹ Electric heater capacity only - does not include additional blower motor heat capacity.

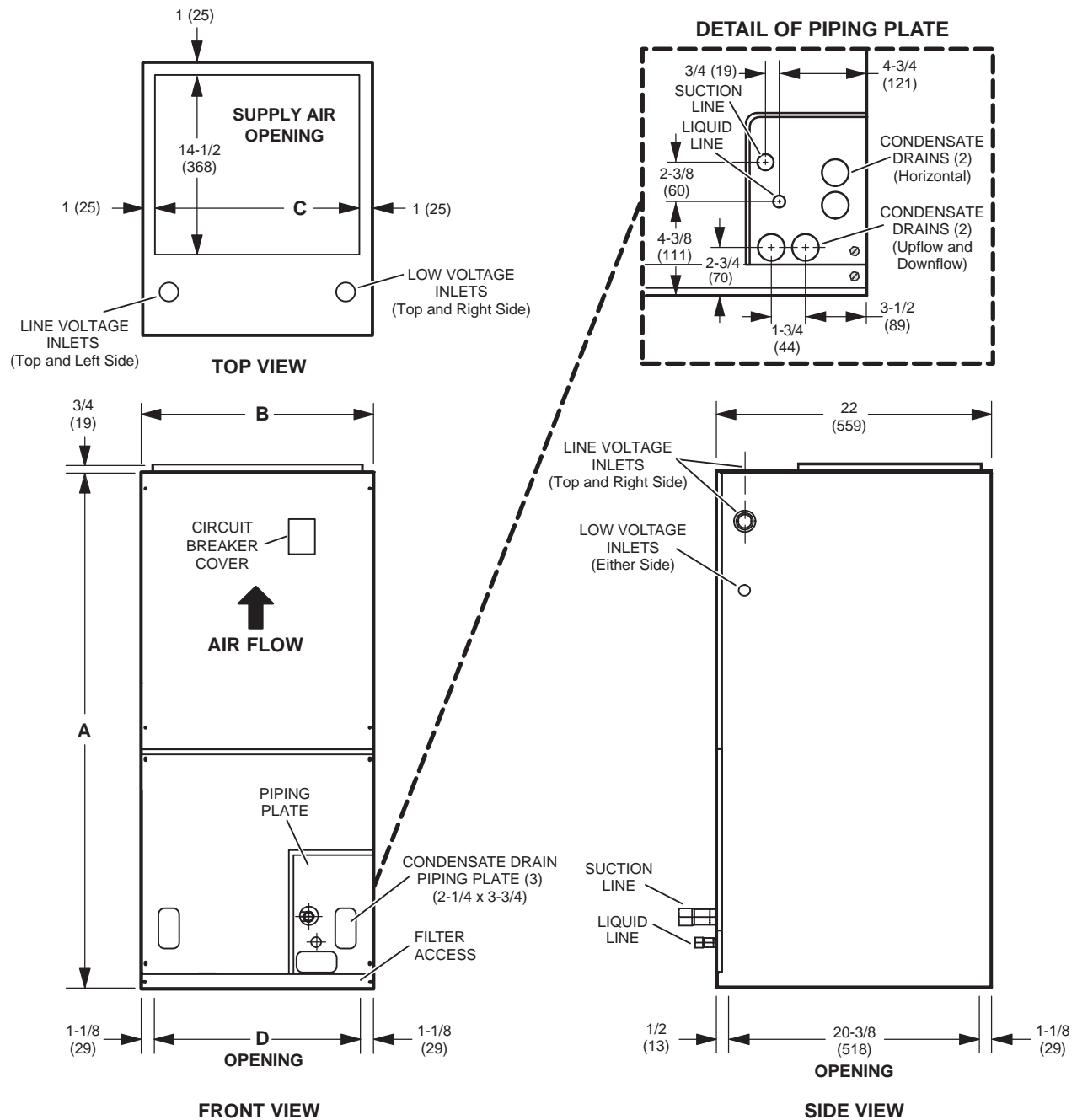
² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

³ HACR type breaker or fuse.

⁴ **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on Page 9.**

UNIT DIMENSIONS - IN. (MM)

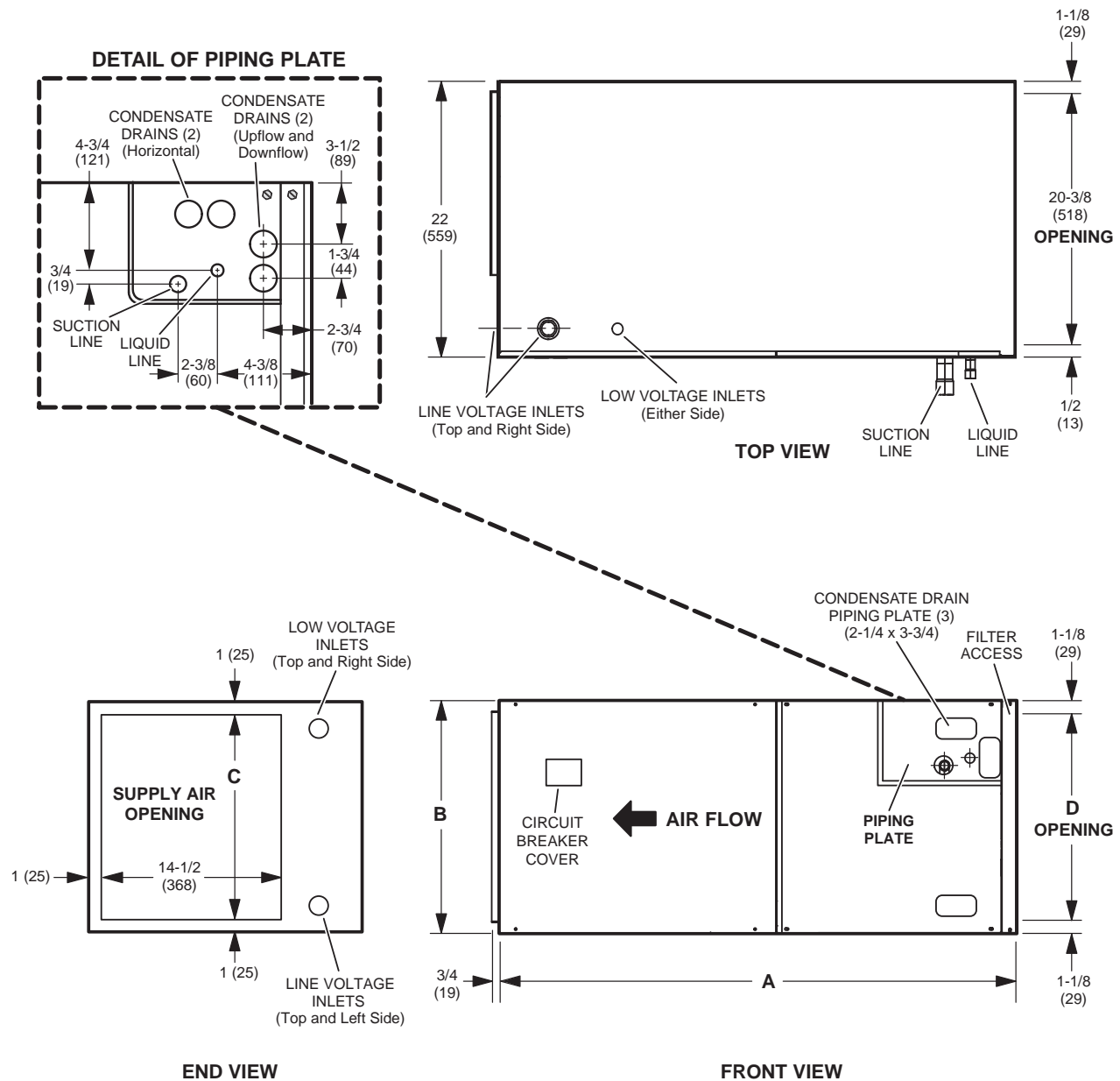
UNIT - UPFLOW POSITION



Dimension	024		030		036, 042		048		060	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	45-1/2	1156	47	1194	53-5/8	1362	55	1397	59-3/4	1518
B	18-1/2	470	18-1/2	470	21-1/2	546	21-1/2	546	21-1/2	546
C	16-1/2	419	16-1/2	419	19-1/2	495	19-1/2	495	19-1/2	495
D	16-1/4	413	16-1/4	413	19-1/4	489	19-1/4	489	19-1/4	489

UNIT DIMENSIONS - IN. (MM)

UNIT - HORIZONTAL POSITION

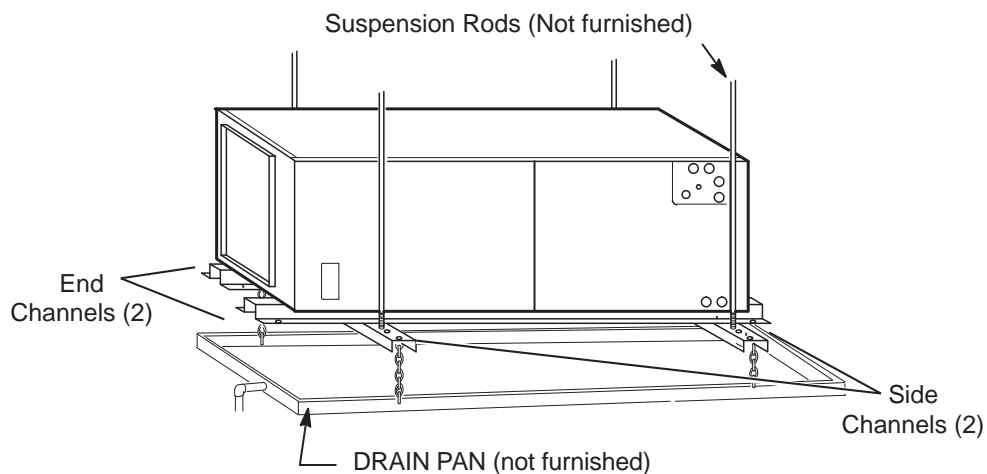


Dimension	024		030		036, 042		048		060	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	45-1/2	1156	47	1194	53-5/8	1362	55	1397	59-3/4	1518
B	18-1/2	470	18-1/2	470	21-1/2	546	21-1/2	546	21-1/2	546
C	16-1/2	419	16-1/2	419	19-1/2	495	19-1/2	495	19-1/2	495
D	16-1/4	413	16-1/4	413	19-1/4	489	19-1/4	489	19-1/4	489

UNIT DIMENSIONS - IN. (MM)

ACCESSORIES

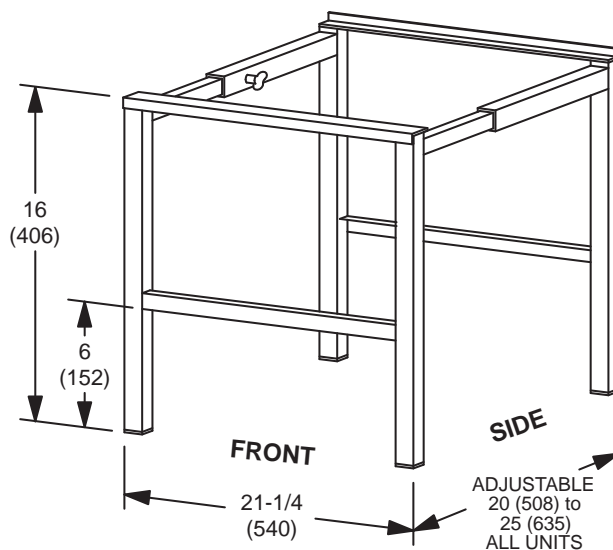
HORIZONTAL SUPPORT FRAME KIT



Includes (2) 1 x 1-1/2 x 32-5/8 in. side channels and
(2) 1 x 3 x 53-7/8 in. end channels.

SIDE RETURN UNIT STAND

(Upflow Only)





GE APPLIANCES

All specifications and illustrations subject
to change without notice and without
incurring obligations.

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