## **General Specifications**

#### Heating/Cooling Chassis.

- **Safety Compliance** -- The NAEC is a listed product eligible to bear the CSA Mark, cCSAus Mark (US and Canada Safety Compliance). The NEAC is produced in a CSA inspected factory in Cambridge, Ontario, Canada.
- **3rd Party Energy Performance Verification** -- The Cooling-Capacity and Energy Performance Verification Testing for the N Series of chassis is conducted by Intertek Labs Report No.: 101100016CRT-001 and Report No.: 10081616CRT-001 are available upon request these tests cover the full range of cooling outputs available for the N Series. Note that the performance verification testing by ETL labs is conducted with N chassis with hydronic coils in place to show the highest static pressure installation (most demanding performance conditions), thus the non-ducted and non-hydronic chassis (such as the NAEC) will have higher EER and btuh than stated in the Verification Reports. The Cooling-Capacity Tests were conducted in accordance with ANSI/ASHRAE Standard 16-1983 (RA99), ANSI/ASHRAE Standard and ISO 5151 was employed for the tests.
- **General Construction** -- Complete air cooled refrigeration system with R-410A refrigerant. Two low noise high-static pressure dual-inlet evaporator blowers tested and verified for performance with ducting and/or hydronic coils in place. One dual-inlet condensate blower (powder-coated metal housing, galvanized metal wheel) with efficient dual-action condensate removal system. Electric resistance heat (optional) uses high-mass, low-temperature tube-in-coil heaters. Power cord exists from under right side.

#### **Digital Touchpad Control**

- The NFE Digital Control is used to control the integral air conditioner and heat source via a touchpad, or optional remote 24-volt wall mounted thermostats.
- Chassis comes with standard 7 wire connection harness for thermostats; control by external thermostat is switched using dip switches.

#### Wall Sleeve

• Industry standard 16" x 42", made of galvanized, phosphatized, heavy-gauge steel. Coated with electrostatically applied, baked on, industry standard beige urethane powder paint for maximum corrosion protection.

#### **Room Cabinet**

- **Room Grille & Control Door** -- Sloped top discharge with one piece extruded machined aluminum grille powder-coated light grey. Enclosure completely encloses controls.
- **Integrated Room Cabinet** -- Integrated powder-coated 18 ga. metal front panel is removable without use of tools. Color is industry-standard beige.

### **Electric heat Section**

• Consists of high mass, low surface temperature, fin-tube type electric heater(s) with high limit cut-out.

#### **Power Cord**

• LCDI power cord is supplied with 115v and 208/230V chassis, and standard non-LCDI with 277V chassis.

#### Louvers

• Architectural type with silver powder-coating baked on. Optional stamped powder-coated aluminum grilles.

### Power Air Damper for Fresh Air (optional)

• A power motorized door for fresh air opens when evaporator blowers are energized, and automatically closes when the evaporator blower is not energized.

### 4" or 6" Skirt With Outlet (optional)

• Skirt 4" high or 6" high, with adjustable supporting feet, with electrical power outlet, mounts to bottom of sleeve. Color is industry-standard beige.

### Performance Data - 3rd Party Lab Verified by Intertek Labs

#### NAEC Air Conditioner with Electric Resistance Heat -- ANGLED-TOP Configuration

CORD-CONNECTED. LCDI full-length Cord for connection to remote receptacle.

Model	Voltage	Hz	Min. Circuit Amps	MOP* Fuse Amps	Electrical Plug (NEMA)	Cooling					Resistance Heat			Indoor	Indoor	Net Wt.
						BTU/Hr.	EER	Amps	S/T	Pts./hr.	BTU/Hr.	kW	Amps	CFM HIGH <sup>o</sup>	CFM LOW <sup>o</sup>	lbs.
NAEC07L00E6	115	60	8.3	15	#5-15P	7300	11.8	6.4	0.83	1.1	N/A	N/A	N/A	325	280	167
NAEC09L00E6	"	"	11.9		"	9600	11.3	8.4	0.79	1.9	"	"	"	380	335	
NAEC12L00E7	"	"	16.3	20	#5-20P	12600	10.6	12.0	0.71	3.3		"	"	"		
NAEC07K00E6	230 - 208		4.1	15	#6-15P	7300	11.8	3.2/3.4	0.83	1.1	"	"	"	340/315	305/265	
NAEC07K16E6		"	9.2		"	"	"		"	"	5700/4700	1.6/1.3	7.4/6.7	"	"	
NAEC07K25E6	"	"	14.2		"	"		"	"		8900/7300	2.5/2.1	11.4/10.4	"	"	
NAEC07K34E7	"	"	19.1	20	#6-20P	"	"	"	"		12000/9900	3.4/2.8	15.3/14.0	"	"	
NAEC09K00E6	"	"	5.7	15	#6-15P	9600	11.3	4.2/4.4	0.79	.1.9	N/A	N/A	N/A	390/375	345/315	
NAEC09K16E6	"	"	9.2		"			"			5700/4700	1.6/1.3	7.4/6.7	"		
NAEC09K25E6	"	-	14.2		"	"		"	-		8900/7300	2.5/2.1	11.4/10.4	"		
NAEC09K34E7	"	"	19.1	20	#6-20P			"			12000/9900	3.4/2.8	15.3/14.0	"	"	
NAEC09K50E8	"	"	27.9	30	#6-30P	"	"	"	"		17400/14300	5.0/4.1	22.3/20.3	"	"	
NAEC12K00E6	"	"	8.1	15	#6-15P	12600	10.6	6.0/6.2	0.71	3.3	N/A	N/A	N/A	"	"	
NAEC12K16E6	"	"	9.2		"		"	"	"		5700/4700	1.6/1.3	7.4/6.7	"	"	
NAEC12K25E6	"	"	14.2		"			"	"		8900/7300	2.5/2.1	11.4/10.4	"	"	
NAEC12K34E7	"		19.1	20	#6-20P	-		"	-		12000/9900	3.4/2.8	15.3/14.0		"	
NAEC12K50E8	"	"	27.9	30	#6-30P			"	"		17400/14300	5.0/4.1	22.3/20.3	"	"	
NAEC15K00E6	"	"	9.9	15	#6-15P	14800	9.8	7.5/7.7	0.67	4.4	N/A	N/A	N/A	"	"	
NAEC15K16E6	"	"			"				"		5700/4700	1.6/1.3	7.4/6.7	"	"	
NAEC15K25E6	"	"	14.2		"				"		8900/7300	2.5/2.1	11.4/10.4	"	"	
NAEC15K34E7		"	19.1	20	#6-20P					"	12000/9900	3.4/2.8	15.3/14.0		"	
NAEC15K50E8		"	27.9	30	#6-30P	"	"		"	"	17400/14300	5.0/4.1	22.3/20.3	"	"	
NAEC17K00E6	"	"	12.2	15	#6-15P	16100	8.4	9.2/9.4	0.66	5.0	N/A	N/A	N/A	435/425	395/375	
NAEC17K16E6					"	"		"		"	5700/4700	1.6/1.3	7.4/6.7	"		
NAEC17K25E6	"		14.3		"	"		"	"		8900/7300	2.5/2.1	11.4/10.4	"	"	
NAEC17K34E7			19.2	20	#6-20P	"		"		"	12000/9900	3.4/2.8	15.3/14.0	"		
NAEC17K50E8	"		28.0	30	#6-30P	"		"			17400/14300	5.0/4.1	22.3/20.3	"		

Model	Voltage	Hz	Min. Circuit Amps	MOP* Fuse Amps	Electrical Plug (NEMA)			Cooling			Resistance Heat			Indoor	Indoor	Net Wt
						BTU/Hr.	EER	Amps	S/T	Pts./hr.	BTU/Hr.	kW	Amps	HIGH®	CFM LOW <sup>o</sup>	lbs.
NAEC07R00E2	277		3.7	15	#7-20P	7300	11.8	3.0	0.90	0.7	N/A	N/A	N/A	380	335	167
NAEC07R20E2	"		9.5	"	"	"	"		"	"	7200	2.0	7.6	"	"	
NAEC07R30E2			14.0		"	"	"			"	10600	3.0	11.2	"	"	
NAEC07R40E2	"		18.5	20	"	"	"			"	14000	4.0	14.8	"	"	
NAEC09R00E2	"		5.4	15	"	9600	11.3	4.0	0.79	1.9	N/A	N/A	N/A	"	"	
NAEC09R20E2			9.5	"	"	"	"		"	"	7200	2.0	7.6	"	"	
NAEC09R30E2	"		14.0		"	"		"		"	10600	3.0	11.2	"	"	
NAEC09R40E2			18.5	20	"	"	"	"	"	"	14000	4.0	14.8	"	"	
NAEC12R00E2	"		7.2	15	"	12600	10.6	5.3	0.71	3.3	N/A	N/A	N/A	"	"	
NAEC12R20E2	"		9.5	п	"	"		"		"	7200	2.0	7.6	"	"	
NAEC12R30E2	"		14.0			"	"	"	"		10600	3.0	11.2	"	"	
NAEC12R40E2	"		18.5	20		"		"		"	14000	4.0	14.8	"	"	
NAEC15R00E2	"		8.8	15		14800	9.8	6.6	0.67	4.4	N/A	N/A	N/A	"	"	
NAEC15R20E2	"		9.5	п		"		"		"	7200	2.0	7.6	"	"	
NAEC15R30E2	"		14	"	"	"	"		"	"	10600	3.0	11.2		"	
NAEC15R40E2	"		18.5	20	"	"	"			"	14000	4.0	14.8	"	"	
NAEC17R00E2			10.4	15	"	16100	8.4	8.1	0.66	5.0	N/A	N/A	N/A	425	395	
NAEC17R20E2	"		"		"	"		"		"	7200	2.0	7.6	"	"	
NAEC17R30E2	"		14.0	п	"	"		"		"	10600	3.0	11.2	"	"	
NAEC17R40E2	"		18.5	20		"		"		"	14000	4.0	14.8	"	"	
ime Delay Fuse or H	ACR Circuit Br	eaker	°Dry Coil	277v mod	dels are perm	anently con	inected us	ing 20am	non-LCD	l cords.						
ed on ASHRAE and	AHRI test cor	ditions	of 95 degre	ees F DB / 75	degrees F W	B outside, 8	0 degrees	F DB / 67 o	degrees F	WB inside.						
ctric Heating Watts	and Amps inc	lude In	door Fan M	otor.												



### **Dimensions - Optional Decorative Skirt with Receptacle**



## **Dimensions - Wall Profile**

NOTE: Sleeve must be installed a minimum of 4" off the floor.



## **Dimensions - Chassis in Wall Sleeve with Cabinet**

NOTE: Sleeve must be installed a minimum of 4" off the floor.

### **Dimensions - Sleeve**

NOTE: Sleeve must be installed a minimum of 4" off the floor.



## Physical Data Heating/Cooling Chassis and Front Panel.....128lbs

Certified Drawing --- Type: NAEC --- 27 JAN2020 --- Applied Comfort Products Carver Inc. --- www.ptacs.com ---1.877.227.7822 -- Applied Comfort Packaged Terminal Air Conditioner with Electric Resistance Heat -- 16" x 42" Model NAEC SLOPE Top Wiring Diagram

