



*MULTI-POSITION, VARIABLE-SPEED,
ECM-BASED AIR HANDLER
WITH INTERNAL EEV
COMMUNICATING
2 TO 5 TONS*

■ **Contents**

Nomenclature	2
Product Specifications	3
Dimensions	4
Airflow Data	5
Heat Kit Data	6
Wiring Diagram	8
Accessories	9



■ **Product Features**

- Electronic Expansion Valve (EEV) for cooling and heat pump applications.
- Variable-speed ECM blower motor
- Compatible with Daikin *One+* smart thermostat and other Daikin communicating equipment
- Provides constant CFM over a wide range of static pressure conditions independent of duct system
- CFM indicator
- Thermostat provides adjustable low CFM for efficient fan-only operation
- All-aluminum evaporator coil
- Fault recall of six most recent faults
- Improved humidity and comfort control
- AHRI certified; ETL listed
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- 3 kW – 25 kW electric heater kits
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish
- Glue-less cabinet insulation retention
- Tool-less filter access



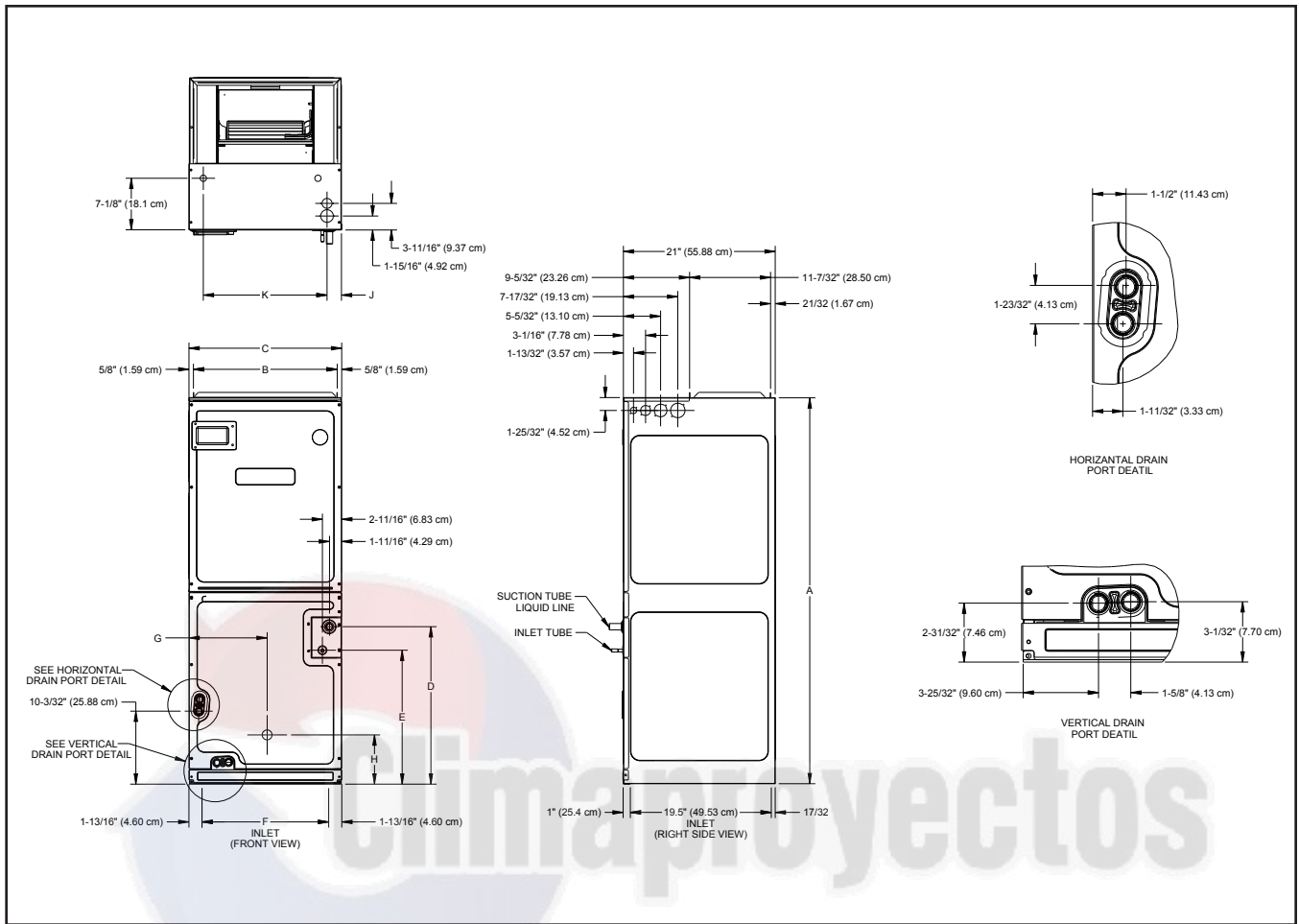
* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.

	D	V	24	P	E	C	B	1	4	AA	
	1	2	3,4	5	6	7	8	9	10	11,12	
Brand	D - Daikin Single-Piece Air Handler										Engineering*
											Major & Minor revisions *Not used for inventory management
Unit Application	V - Multi-Position Variable-Speed Motor										Refrigerant Compatibility
											4 - R-410A
Nominal Capacity Range	25 - 2 Tons 59 - 4 Tons 37 - 3 Tons 61 - 5 Tons										Electric
											1 - 208/230 V, 1 Phase 60 Hz
System Compatibility / Cabinet Finish (Painted)	F - Fit P - Non-Fit										Cabinet Width
											B - 17½" C - 21" D - 24½"
Expansion Device	E - Electronic Expansion Valve T - Thermal Expansion Valve										Communicating
											C - Yes

	HKS	X	03	X	A	AA	
	1	2	3	4	5	6,7	
Unit Type	HKS Heat Kit for Air Handlers						Revisions
							Engineering Revisions
Circuit Breaker	X No circuit breaker C Circuit Breaker						Phase
							A Single Phase 208 V E Three Phase 240 V B Single Phase 240 V F Three Phase 208/240 V C Single Phase 208/240 V G Three Phase 460 V D Three Phase 208 V
Heating Capacity @ 240 Volts	03 3.0 kW 15 14.4 kW 05 4.5 kW 19 19.2 kW wth 150F limit 06 6.0 kW 20 19.2 kW with 170F limit 08 8.0 kW 25 25.0 kW 10 9.6 kW						Cabinet Size (MAX)
							C C Cabinet D D Cabinet X All Cabinet Sizes

	DV25PEC B14A*	DV37PEC C14A*	DV59PEC D14A*	DV61PEC D14A*
NOMINAL RATINGS				
Cooling (BTU/h)	24,000	36,000	48,000	60,000
BLOWER				
Diameter	10 $\frac{5}{8}$ "	10 $\frac{5}{8}$ "	11 $\frac{5}{8}$ "	11 $\frac{5}{8}$ "
Width	6"	10 $\frac{5}{8}$ "	10 $\frac{5}{8}$ "	10 $\frac{5}{8}$ "
COIL CONNECTIONS				
Liquid	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "
Suction	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "
Coil Drain Connection (FPT)	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "
ELECTRICAL DATA				
Voltage	208/240	208/240	208/240	208/240
Electric Heat Capacity (kW)	3, 5, 6, 8, 10	5, 6, 8, 10, 15, 19	5, 6, 8, 10, 15, 20	5, 6, 8, 10, 15, 20, 25
Min Circuit Ampacity	4.9/4.9	6.5/6.5	8.6/8.6	8.6/8.6
Max. Overcurrent Device (Amps)	15/15	15/15	15/15	15/15
Minimum VAC	197	197	197	197
Maximum VAC	253	253	253	253
BLOWER MOTOR				
Full Load Amps (FLA)	3.9	5.2	6.9	6.9
Horsepower (HP)	$\frac{1}{2}$	$\frac{3}{4}$	1	1
SHIP WEIGHT (LBS.)	115	140	150	167

NOTE: Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed. Refer to unit nameplate and/or Heat Kit Data for specification with approved accessory heaters installed.



MODEL	A	B	C	D	E	F	G	H
DV25PECB14	53 ⁷ / ₁₆	16 ³ / ₈	17 ¹ / ₂	20	21 ¹ / ₂	14 ³ / ₈	9 ³ / ₈	7 ³ / ₈
DV37PECC14	53 ⁷ / ₁₆	19 ³ / ₈	21	21 ¹³ / ₁₆	18 ³ / ₈	17 ¹¹ / ₁₆	10 ¹³ / ₁₆	6 ¹³ / ₁₆
DV59PECD14	53 ⁷ / ₁₆	23 ⁵ / ₁₆	24 ¹ / ₂	21 ¹ / ₂	18 ⁵ / ₁₆	21 ³ / ₁₆	12 ³ / ₈	6 ³ / ₈
DV61PECD14	58	23 ⁵ / ₁₆	24 ¹ / ₂	26 ³ / ₈	22 ³ / ₈	21 ³ / ₁₆	12 ⁵ / ₁₆	25 ³ / ₈

MODEL	RATED AIR FLOW CFM								
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
DV25PECB14A*	700	690	690	685	680	670	665	660	655
DV37PECC14A*	1190	1170	1165	1160	1145	1130	1120	1105	1100
DV59PECD14A*	1445	1440	1430	1415	1405	1390	1380	1375	1370
DV61PECD14A*	1645	1640	1640	1635	1630	1625	1620	1620	1615

MODEL	MAXIMUM AIR FLOW CFM								
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
DV25PECB14A*	770	760	760	755	750	735	730	725	720
DV37PECC14A*	1310	1285	1280	1275	1260	1245	1230	1215	1210
DV59PECD14A*	1590	1585	1575	1560	1545	1530	1520	1515	1505
DV61PECD14A*	1810	1805	1805	1800	1790	1785	1780	1780	1775

Note:

- The chart is for information only. For satisfactory operation, external static pressure must not exceed value shown on rating plate.
- Use the CFM adjustment factors of .98 for horizontal left, .95 for horizontal right & .96 for downflow orientations.
- Airflow data indicated is at 230V without air filter in place.



HEAT KIT DATA

MODELS		CIRCUIT 1			CIRCUIT 2			SINGLE-POINT KIT		
		AMPS	MCA ¹	MOP ²	AMPS	MCA ¹	MOP ²	MCA ¹	MOP ²	
DV25PECB14AC		0.0/0.0	4.9/4.9	15/15	---	---	---	---	---	
HKSX03XC - 208 V	No Breaker	10.8	18	20	---	---	---	---	---	
HKSX05XC - 208 V		17.3	27	30	---	---	---	---	---	
HKSX06XC - 208 V		21.7	32	35	---	---	---	---	---	
HKSX08XC - 208 V		28.9	41	45	---	---	---	---	---	
HKSX10XC - 208 V		34.7	48	50	---	---	---	---	---	
HKSC05XC - 208 V	Breaker	17.3	27	30	---	---	---	---	---	
HKSC08XC - 208 V		28.9	41	45	---	---	---	---	---	
HKSC10XC - 208 V		34.7	48	50	---	---	---	---	---	
HKSX03XC - 240 V	No Breaker	12.5	21	25	---	---	---	---	---	
HKSX05XC - 240 V		20.0	30	30	---	---	---	---	---	
HKSX06XC - 240 V		25	36	40	---	---	---	---	---	
HKSX08XC - 240 V		33.3	47	50	---	---	---	---	---	
HKSX10XC - 240 V		40.0	55	60	---	---	---	---	---	
HKSC05XC - 240 V	Breaker	20.0	30	30	---	---	---	---	---	
HKSC08XC - 240 V		33.3	47	50	---	---	---	---	---	
HKSC10XC - 240 V		40.0	55	60	---	---	---	---	---	
DV37PECC14AC		0.0/0.0	6.5/6.5	15/15	---	---	---	---	---	
HKSX05XC - 208 V	No Breaker	17.3	28	30	---	---	---	---	---	
HKSX06XC - 208 V		21.7	34	35	---	---	---	---	---	
HKSX08XC - 208 V		28.9	43	45	---	---	---	---	---	
HKSX10XC - 208 V		34.7	50	50	---	---	---	---	---	
HKSC05XC - 208 V		Breaker	17.3	28	30	---	---	---	---	---
HKSC08XC - 208 V	28.9		43	45	---	---	---	---	---	
HKSC10XC - 208 V	34.7		50	50	---	---	---	---	---	
HKSC15XA - 208 V	34.7		49.8	50	17.3	21.7	25	71.5	80	
HKSC19CA - 208 V	34.7		49.8	50	34.7	43.3	45	93.2	100	
HKSC15XF - 208 V ^		0.0	6.5	15	30	38	40	---	---	
HKSX05XC - 240 V	No Breaker	20	32	35	---	---	---	---	---	
HKSX06XC - 240 V		25	38	40	---	---	---	---	---	
HKSX08XC - 240 V		33.3	48	50	---	---	---	---	---	
HKSX10XC - 240 V		40	57	60	---	---	---	---	---	
HKSC05XC - 240 V		Breaker	20	32	35	---	---	---	---	---
HKSC08XC - 240 V	33.3		48	50	---	---	---	---	---	
HKSC10XC - 240 V	40		57	60	---	---	---	---	---	
HKSC15XB - 240 V	40		56.5	60	20	25	25	81.5	90	
HKSC19CB - 240 V	40		56.5	60	40	50	50	107	110	
HKSC15XF - 240 V ^			0	6.5	15	34.6	43	45	---	---
DV59PECD14AC			0.0/0.0	8.6/8.6	15/15	---	---	---	---	---
HKSX05XC - 208 V	No Breaker	17.3	30.3	35	---	---	---	---	---	
HKSX06XC - 208 V		21.7	36	40	---	---	---	---	---	
HKSX08XC - 208 V		28.9	45	45	---	---	---	---	---	
HKSX10XC - 208 V		34.7	52	60	---	---	---	---	---	
HKSC05XC - 208 V	Breaker	17.3	30.3	35	---	---	---	---	---	
HKSC08XC - 208 V		28.9	45	45	---	---	---	---	---	
HKSC10XC - 208 V		34.7	52	60	---	---	---	---	---	
HKSC15XB ³ - 208 V		34.7	52	60	17.3	21.7	25	73.6	80	
HKSC20DH - 208 V		34.7	52	60	34.7	43.3	45	95.3	100	
HKSC15XF - 208 V ^			0.0	8.6	15	30	38	40	---	---

MODELS		CIRCUIT 1			CIRCUIT 2			SINGLE-POINT KIT	
		AMPS	MCA ¹	MOP ²	AMPS	MCA ¹	MOP ²	MCA ¹	MOP ²
HKSX05XC - 240 V	No Breaker	20	34	35	---	---	---	---	---
HKSX06XC - 240 V		25	40	40	---	---	---	---	---
HKSX08XC - 240 V		33.3	50.3	60	---	---	---	---	---
HKSX10XC - 240 V		40	59	60	---	---	---	---	---
HKSC05XC - 240 V	Breaker	20	34	35	---	---	---	---	---
HKSC08XC - 240 V		33.3	50.3	60	---	---	---	---	---
HKSC10XC - 240 V		40	59	60	---	---	---	---	---
HKSC15XB - 240 V		40	58.6	60	20	25	25	83.6	90
HKSC20DB - 240 V		40	58.6	60	40	50	50	109	110
HKSC15XF - 240 V ^		0.0	8.6	15	34.6	43	45	---	---
DV61PECD14AC			0.0/0.0	8.6/8.6	15/15	---	---	---	---
HKSX05XC - 208 V	No Breaker	17.3	30.3	35	---	---	---	---	---
HKSX06XC - 208 V		21.7	36	40	---	---	---	---	---
HKSX08XC - 208 V		28.9	45	45	---	---	---	---	---
HKSX10XC - 208 V		34.7	52	60	---	---	---	---	---
HKSC05XC - 208 V	Breaker	17.3	30.3	35	---	---	---	---	---
HKSC08XC - 208 V		28.9	45	45	---	---	---	---	---
HKSC10XC - 208 V		34.7	52	60	---	---	---	---	---
HKSC15XB ³ - 208 V		34.7	52	60	17.3	21.7	25	73.6	80
HKSC20DH - 208 V		34.7	52	60	34.7	43.3	45	95.3	100
HKSC25DA - 208 V		52	73.6	80	35	43.3	45	117	125
HKSC15XF - 208 V ^		0.0	8.6	15	30	38	40	---	---
HKSC20XF - 208 V ^	0.0	8.6	15	38	47	50	---	---	
HKSX05XC - 240 V	No Breaker	20	34	35	---	---	---	---	---
HKSX06XC - 240 V		25	40	40	---	---	---	---	---
HKSX08XC - 240 V		33.3	50.3	60	---	---	---	---	---
HKSX10XC - 240 V		40	59	60	---	---	---	---	---
HKSC05XC - 240 V	Breaker	20	34	35	---	---	---	---	---
HKSC08XC - 240 V		33.3	50.3	60	---	---	---	---	---
HKSC10XC - 240 V		40	59	60	---	---	---	---	---
HKSC15XB - 240 V		40	58.6	60	20	25	25	83.6	90
HKSC20DB - 240 V		40	58.6	60	40	50	50	109	110
HKSC25DB - 240 V		60	83.6	90	40	50	50	134	150
HKSC15XF - 240 V ^		0.0	8.6	15	34.6	43	45	---	---
HKSC20XF - 240 V ^		0.0	8.6	15	43.3	54	60	---	---

¹ Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25

--- indicates Not Required

² Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps

³ Notation is correct as XB because technically the 240V heater kit application can be used here without any issues.

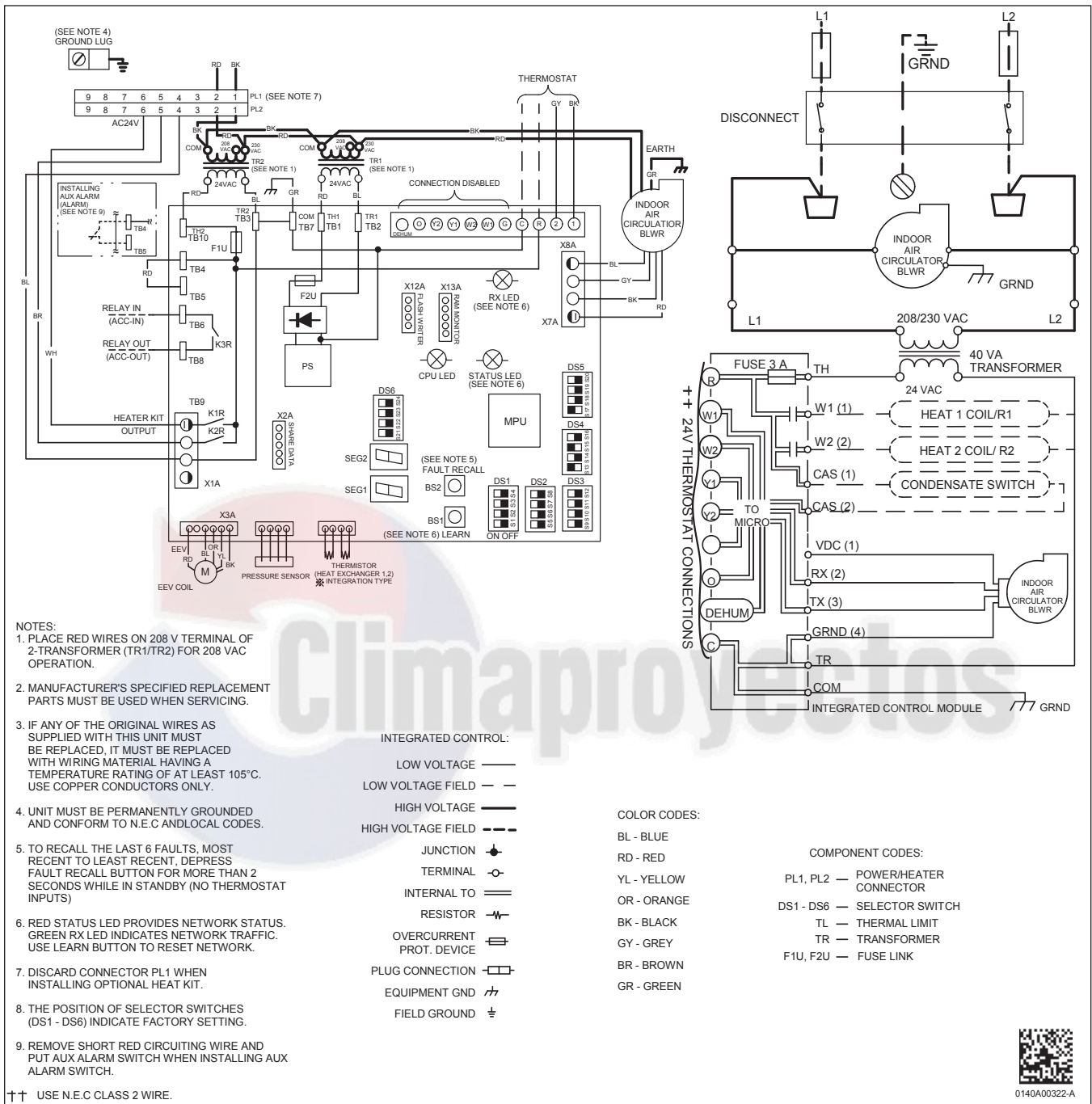
^ Three-phase Heater Kits (Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for Heater Kits)

Note: The 208 or 240 in the heat kit part number field is for clarification of the nominal voltage for this model.

HEATING KW CORRECTION FACTOR

SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1.00	0.92	0.84	0.77	0.75

Multiply the 240-volt heating capacity by correction factors.



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



DOWNFLOW KITS

DFK-B	DFK-C	DFK-D
DV25PECB14**	DV37PECC14**	DV59PECD14**
		DV61PECD14**

DRAIN PORT PLUG

Kit Number	Description	Application
DPK1	Side Drain Port Plug	All Models

CONDENSATE MANAGEMENT KITS*

CMK0008	CMK0009	CMK0010	CMK0011
DV25PECB14**	DV37PECC14**	DV59PECD14**	DV61PECD14**

*For Horizontal application only.

MERV 15 AIR CLEANERS

CHASSIS	DAIKIN PREMIUM AIR CLEANER	FILTER SIZE	REPLACEMENT FILTER PART #
B	DV15-2117-AB	21"x17"	0160M00013
C	DV15-2121-AC	21"x21"	0160M00014
D	DV15-2124-AD	21"x24"	0160M00015

PERMANENT 1" FILTERS

CHASSIS	PART#	SIZE
B	ALFH16201E	16.0" x 20.0"
C	ALFH1912201E	19.5" x 20.0"
D	ALFH20231E	23.0" x 20.0"

SINGLE POINT KIT **

MODEL	HKR-15C	HKR-20C	HKR-21C
SPW-01			

** Must be installed along with any of the above compatible heat kits. This kit will fit any DVPTC air handler as long as a compatible heat kit is installed in the unit.

15" SINGLE LAMP UV COIL PURIFIER

MODEL	LAMP	POWER MOD	REM CORD
UC18S15-24	UCP-16013	UCP-16015	UCP-16016
UC18S15-24B	UCP-16012	UCP-16014	UCP-16016





