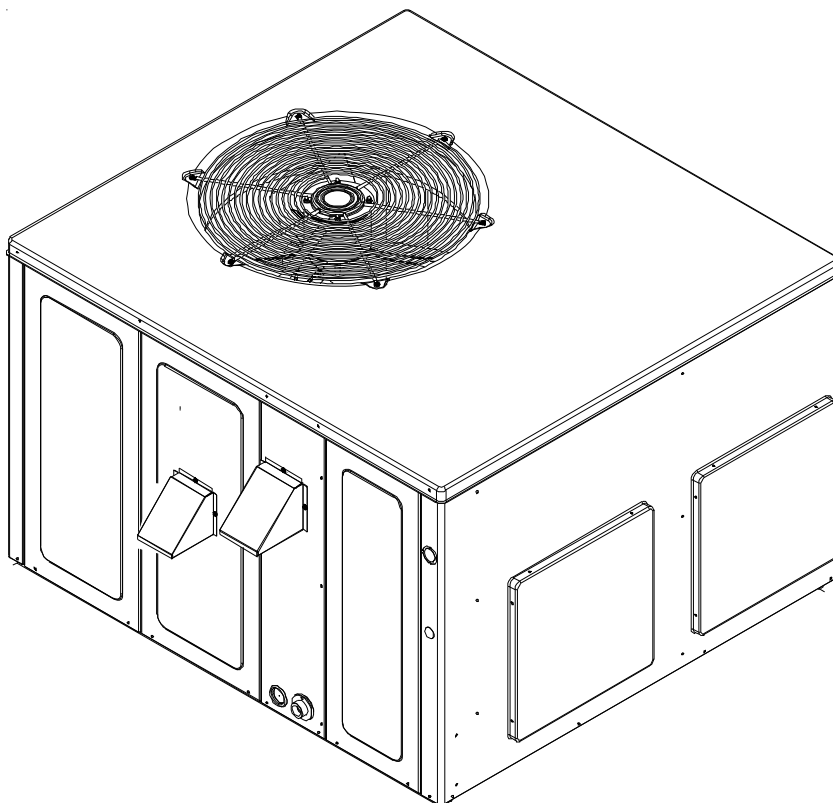


DAIKIN TECHNICAL MANUAL

DP 13 SEER 3-Phase Package Gas Units with R-410A

- Refer to Service Manual RSD6300007 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.



This manual is to be used by qualified, professionally trained HVAC technicians only. Daikin does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RTD6312005r2
March 2014

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

D	P	13	G	M	36	090	4	3	A	A
Brand									Engineering	
D - Daikin									Minor revision	
Product Type									Engineering	
P - Packaged									Major revision	
SEER									Voltage	
13 - 13 SEER									1 - 208/230 V single phase 60 Hz	
14 - Up to 14 SEER									2 - 220/240 V single phase 50 Hz	
15 - Up to 15 SEER									3 - 208/230 V three phase 60 Hz	
Unit Type									4 - 460 V three phase 60 Hz	
G - Gas/Electric									5 - 380/415 V three phase 50 Hz	
D - Dual Fuel									Refrigerant	
Configuration									4 - R-410A	
M - Multi-position									Nominal Heat Input	
H - Horizontal									045 45 MBTU/H 115 115 MBTU/H	
									070 70 MBTU/H 140 140 MBTU/H	
									090 90 MBTU/H	
									Tonnage Nominal	
									24 - 2 ton 42 - 3.5 ton	
									30 - 2.5 ton 48 - 4.0 ton	
									36 - 3 ton 60 - 5 ton	

**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.



**WARNING**

Daikin will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.

**WARNING**

ONLY individuals meeting (at a minimum) the requirements of an "Entry Level Technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) may use this information. Attempting to install or repair this unit without such background may result in product damage, personal injury, or death.

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

DP13GM3609043A*

DP13GM4809043A*

DP13GM6009043A*

DP13GM6014043A*



The United States Environmental Protection Agency ("EPA") has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.



Do not connect or use any device that is not design certified by Daikin for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.



To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.

PRODUCT DESIGN

DP13GM** Package Gas Units are designed for outdoor installations only in light commercial applications and are available in 3, 4, and 5 ton sizes. They are designed for 208-230V 3 phase applications.

The connecting ductwork (Supply and Return) can be connected for either horizontal or vertical airflow. In the vertical application, a matching Roof Curb is recommended.

A return air filter must be installed behind the return air grille(s) or provision must be made for a filter in an accessible location within the return air duct. The minimum filter area should not be less than those sizes listed in the Specification Section. Under no circumstances should the unit be operated without return air filters.

A 3/4" pipe is provided for removal of condensate water from the indoor coil. (Do not reduce the drain line size).

NOTE: Tighten drain to a maximum torque of 10 in-lbs.

Refrigerant flow control is achieved by use of restrictor orifices. DP13GM** units use the FasTest Access Fitting System which consists of a saddle that is either soldered to the suction and liquid lines or is fastened with a locking nut to the access fitting box (core) and then screwed into the saddle.

NOTE: The core must not be removed from the saddle until the refrigerant charge has been removed. Failure to do so could result in property damage or personal injury.

DP13GM** three phase units use three phase compressors. Starting components and run capacitors are therefore not required.

The outdoor fan motors are single phase permanent split capacitor type motors. DP13GM3609043A* models are equipped with a PSC type indoor blower motor. DP13GM4809043A*, DP13GM6009043A*, and DP13GM6014043A* models are equipped with EEM indoor blower motors. EEM motors are constant torque motors with very low power consumption and are energized by a 24V signal from the ignition control board. The EEM features an integrated control module.

Air for condensing (cooling cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

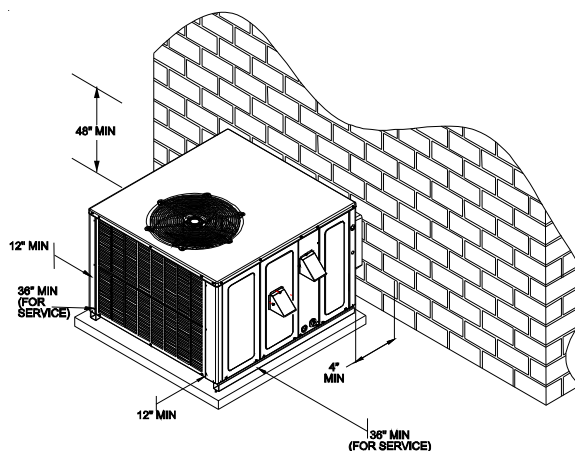
Conditioned air is drawn through the filter(s), field installed, across the coil and back into the conditioned space by the indoor blower.

Some models of the DP13GM** series package units use the Compliant Scroll compressor, there are a number of design characteristics which are different from the traditional reciprocating compressor.

- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE:** Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued floodback or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

- These Scroll compressors use "POE" or polyester oil which is NOT compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.
- Compliant scroll compressors perform "quiet" shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.
- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the "Cooling Performance Data" section.

Location and Clearances



NOTE: Roof overhang should be no more than 36" and provisions made to deflect the warm discharge air out from the overhang. Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.

In installations where the unit is installed above ground level and not serviceable from the ground (Example: Roof Top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances or in their absence with the latest edition of the National Fuel Gas Code ANSI Z223.1.

NOTE: Unit can also use roof curb (and platform for leveling, where necessary) to utilize bottom discharge.



WARNING

TO PREVENT POSSIBLE PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING IF A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.

PRODUCT DESIGN

IMPORTANT: If using bottom discharge with roof curb, ductwork should be attached to the curb prior to installing the unit.

Refer to Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

High Altitude Derate - U.S. Installations Only (Optional)

The gas/electric units naturally derate with altitude. High Altitude Derate kit may be installed if desired.

IMPORTANT NOTE: The gas/electric units naturally derate with altitude. Do not attempt to increase the firing rate by changing orifices or increasing the manifold pressure. This can cause poor combustion and equipment failure. At all altitudes, the manifold pressure must be within 0.3 inches W.C. of that listed on the nameplate for the fuel used. Up to 7,000' altitudes and with either fuel, the air temperature rise must be within the range listed on the unit nameplate. Refer to the Installation Manual provided with the LP kit for conversion from natural gas to propane gas and for altitude adjustments.

When this package unit is installed at high altitude, the appropriate High Altitude orifice kit may be installed. As altitude increases, there is a natural reduction in the density of both the gas fuel and combustion air. This kit will provide the proper design certified input rate within the specified altitude range. High altitude kits are not approved for use in Canada. For installations above 2,000 feet, use kit HA-02. The HA-02 kit is used for both Natural and LP gas at high altitudes.

Use LPT-03 propane conversion kit for propane conversions at altitudes below 2000 feet. Natural gas installations below 2000 feet do not require a kit.

For propane conversion above 2000 feet, high altitude kit HA-02 is required in addition to the LPT-03 propane conversion kit.

NATURAL GAS AND LP GAS INSTALLATIONS AT ALTITUDES > 2000 FT

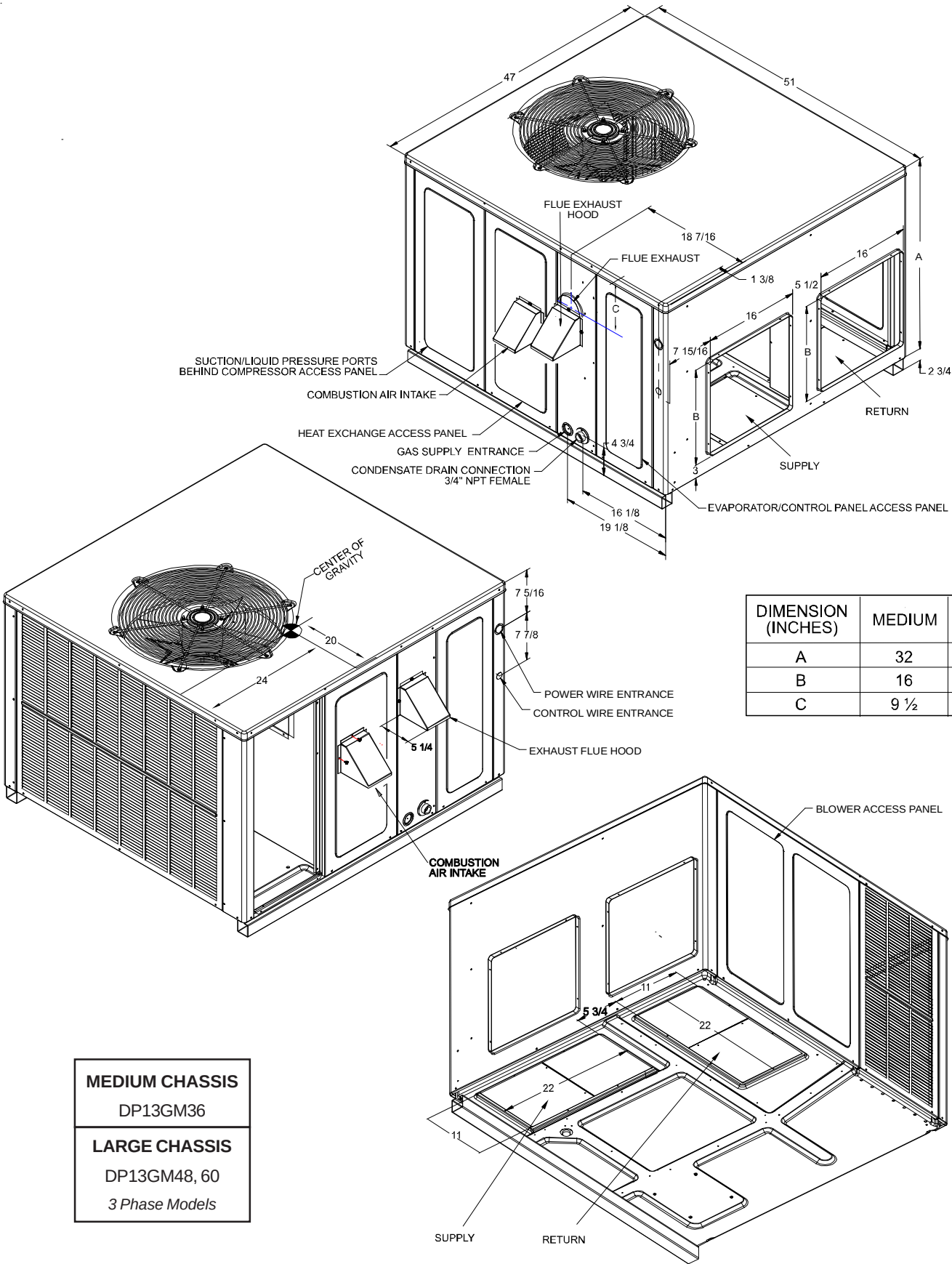
INPUT/BURNER	HIGH ALTITUDE KIT	20,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	45/55	47/55	47/56	-	47/56	48/57	48/58	49/58
CANADA BURNER ORIFICE		45/55	-	-	48/57	-	-	-	-

INPUT/BURNER	HIGH ALTITUDE KIT	22,500 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	44/55	44/55	45/56	-	45/56	46/57	47/58	47/58
CANADA BURNER ORIFICE		44/55	-	-	47/57	-	-	-	-

INPUT/BURNER	HIGH ALTITUDE KIT	25,000 BTUH NAT/20,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HA-02	43/55	43/55	44/56	-	44/56	44/56	45/57	45/57
CANADA BURNER ORIFICE		43/55	-	-	46/57	-	-	-	-

PRODUCT DIMENSIONS

UNIT DIMENSIONS



DIMENSION (INCHES)	MEDIUM	LARGE
A	32	40
B	16	18
C	9 1/2	14

MEDIUM CHASSIS

DP13GM36

LARGE CHASSIS

DP13GM48, 60

3 Phase Models

PACKAGE GAS SPECIFICATIONS

DP13GM[36-60]***43A*

		DP13GM3609043A*	DP13GM4809043A*	DP13GM6009043A*	DP13GM6014043AA
COOLING CAPACITY	COOLING CAPACITY, BTUH	36,000	46,000	57,000	57,000
	SEER	13.00	13.00	13.00	13.00
HEATING CAPACITY	HEATING INPUT BTUH (U.S. & CANADIAN)	92,000	92,000	92,000	138,000
	HEATING OUTPUT BTUH (U.S. & CANADIAN)	73,600	73,600	73,600	110,400
	AFUE (%)	80	80	80	80
	TEMPERATURE RISE (°F)	45 - 75	45 - 75	45 - 75	45 - 75
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208/230	208/230	208/230	208/230
	UNIT AMPS (TOTAL)	15.0	20.3	25.0	25.0
	MINIMUM CIRCUIT AMPACITY	17.6	23.6	29.0	29.0
	MAXIMUM OVERCURRENT PROTECTION ⁽³⁾	25	35	45	45
HEATING SECTION	NUMBER OF BURNERS	4	4	4	6
	ORIFICE SIZE NATURAL	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55
COMPRESSOR	TYPE	Scroll	Scroll	Scroll	Scroll
	RATED LOAD AMPS	10.4	13.1	16.0	16.0
	LOCKED ROTOR AMPS	73.0	83.1	134.0	134.0
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4	1/4	1/4
	RPM	830	1075	1075	1075
	FULL LOAD AMPS	1.5	1.4	1.4	1.4
	LOCKED ROTOR AMPS	3.0	2.9	2.9	2.9
CONDENSER FAN	BLADE DIAMETER (INCHES) / # OF BLADES	22/3	22/3	22/3	22/3
	CFM	3,500	3500	3250	3250
CONDENSER COIL	FACE AREA- SQ. FT.	8.7	15.4	15.4	15.4
	NUMBER OF ROWS	2	1	2	2
	FINS PER INCH	27	24	24	24
EVAPORATOR BLOWER MOTOR	TYPE	PSC	EEM	EEM	EEM
	HORSEPOWER - NO. OF SPEEDS	1/3 - 3	3/4 - 5	1 - 5	1 - 5
	FULL LOAD AMPS	3.1	5.8	7.6	7.6
	LOCKED ROTOR AMPS	4.1	N/A	N/A	N/A
	MOTOR SPEED TAP - COOLING	low	T4	T4	T4
	RPM	910	1050	1050	1050
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 x 9	11 x 10	11 x 10	11 x 10
	RATED SCFM COOLING	1250	1500	1750	1750
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5
EVAPORATOR COIL	FACE AREA- SQ. FT.	4.33	5.67	5.67	5.67
	NUMBER OF ROWS	4	4	4	4
	FINS PER INCH	14	14	14	14
	FILTER SIZE - SQ. FT. ⁽²⁾	4.2	5.1	6.3	6.3
	DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	170	170	170	170
	AUXILIARY LIMIT SETTING (°F)	150	150	150	150
	ROLL-OUT LIMIT SETTING (°F)	350	350	350	350
GENERAL INFORMATION	EXPANSION DEVICE	Orifice (.068)	Orifice (.076)	Orifice (.087)	Orifice (.087)
	REFRIGERANT CHARGE R-410A (Oz)	110.0	87.0	185.0	185.0
	POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	490	523	543	543
	OPERATING WEIGHT LBS.	514	545	565	565

(1) Units installed in Canada are certified only to 4500 feet.

(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only**.

(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

ACCESSORIES

DP13[C,G,H]M, DP14DM and DP15[G,H]M	
Part Number	Description
CDK36	3 Ton Concentric Duct Kit
CDK36515	3 Ton Flush Mount Concentric Duct Kit w/ Filter
CDK36530	3 Ton Step Down Concentric Duct Kit
CDK36535	3 Ton Step Down Concentric Duct Kit w/ Filter
CDK4872	4 - 6 Ton Concentric Duct Kit
CDK4872515	4 - 6 Ton Flush Mount Concentric Duct Kit w/ Filter
CDK4872530	4 - 6 Ton Step Down Concentric Duct Kit
CDK4872535	4 - 6 Ton Step Down Concentric Duct Kit w/ Filter
D14CRBPGCHMA	14" Curb Daikin-M Series Package Unit All Chassis
DDN25FDPGCHMM	Manual 25% M-Series Fresh Air Damper Downflow Application, Medium Chassis
DDN25FDPGCHML	Manual 25% M-Series Fresh Air Damper Downflow Application, Large Chassis
DDN25MFDPGCHMM	Motorized 25% M-Series Fresh Air Damper Downflow Application, Medium Chassis
DDN25MFDPGCHML	Motorized 25% M-Series Fresh Air Downflow Application, Large Chassis
DDNECNJPCHMM	Downflow Jade Economizer for Daikin M-Series Packaged A/C and Heat Pump, Medium Chassis
DDNECNJPCHML	Downflow jade Economizer for Daikin M-Series Packaged A/C and Heat Pump, Large Chassis
DDNECNJPGMM	Downflow Jade Economizer Daikin M-Series Gas Package Unit, Medium Chassis
DDNECNJPGML	Downflow Jade Economizer Daikin M-Series Gas Package Unit, Large Chassis
DDNIFRPGHMM	Downflow Internal Filter Rack for M-Series A/C and Heat Pump, Medium Chassis
DDNIFRPGHML	Downflow Internal Filter Rack for M-Series A/C and Heat Pump, Large Chassis
DDNIFRPGA	Downflow Internal Filter Rack for Daikin M-Series Gas Package Unit
DHZ25FDPGCHMS	Manual 25% M-Series Fresh Air Damper Horizontal Application, Small Chassis
DHZ25FDPGCHMM	Manual 25% M-Series Fresh Air Damper Horizontal Application, Medium Chassis
DHZ25FDPGCHML	Manual 25% M-Series Fresh Air Damper Horizontal Application, Large Chassis
DHZ25MFDPGCHMS	Motorized 25% M-Series Fresh Air Damper Horizontal Application, Small Chassis
DHZ25MFDPGCHMM	Motorized 25% M-Series Fresh Air Damper Horizontal Application, Medium Chassis
DHZ25MFDPGCHML	Motorized 25% M-Series Fresh Air Damper Horizontal Application, Large Chassis
DHZEENJPCHM	Horizontal Jade Economizer M-Series Package Unit All Fuels, Medium Chassis H-Series All Chassis
DHZEENJPCHL	Horizontal Jade Economizer M-Series Package Unit All Fuels, Large Chassis
DPHFRA	External Horizontal Filter Rack for Daikin M- and H-Series Package Units
HA-02	High Altitude Kit
HKR3	Electric Heat Kit
LPT-03	Propane Conversion Kit
OT18-60A	Outdoor Thermostat Kit with Lockout Stat
OT/HER 18-60A	Emergency Heat Relay Kit
SQRPG101/102	Square to Round Adapter for M-Series Package Unit w/ 16" Round Downflow Application, Medium Chassis
SQRPG103	Square to Round Adapter for M-Series Package Unit w/ 18" Round Downflow Application, Large Chassis
SQRPGH101/102	Square to Round Adapter for M-Series Package Unit w/ 16" Round Horizontal Application, Small and Medium Chassis
SQRPGH103	Square to Round Adapter for M-Series Package Unit w/ 18" Round Horizontal Application, Large Chassis

BLOWER PERFORMANCE DATA

HEATING SPEEDS

DP13GM3609043A* - Rise Range: 45° - 75°												
Unit Static	LOW				MEDIUM				HIGH			
	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE
0.1	1100	342	1.57	62	1469	494	2.24	47	1655	604	2.67	X
0.2	1037	335	1.52	66	1409	480	2.15	49	1579	587	2.68	X
0.3	991	320	1.45	69	1327	459	2.08	52	1483	567	2.62	46
0.4	926	308	1.39	74	1257	442	2.00	55	1407	547	2.53	49
0.5	831	290	1.32	X	1163	419	1.89	59	1329	522	2.44	52
0.6	773	279	1.25	X	1094	398	1.80	63	1210	498	2.35	57
0.7	669	260	1.17	X	942	363	1.65	73	1036	464	2.24	66
0.8	-	-	-	-	-	-	-	-	-	-	-	-

DP13GM4809043A* - Rise Range: 45° - 75°																			
Motor Speed	T1 (Heating Speed)				T2 (Heating Speed)				T3 (Heating Speed)				T4 (Cooling Speed)			T5 (CoolingSpeed)			
	E.S.P	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	CFM	Watts	Amps
0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	914	125	1.07	75	1,105	186	1.56	62	1,397	323	2.57	49	1,593	449	3.55	1,699	532	4.22	
0.3	822	134	1.14	X	1,024	193	1.60	67	1,346	331	2.67	51	1,545	463	3.69	1,654	539	4.25	
0.4	733	140	1.20	X	967	202	1.65	71	1,288	342	2.76	53	1,506	476	3.82	1,610	551	4.30	
0.5	664	150	1.26	X	884	214	1.76	X	1,273	352	2.82	54	1,448	481	3.87	1,545	557	4.36	
0.6	606	154	1.28	X	816	220	1.75	X	1,178	359	2.88	58	1,400	493	3.95	1,512	566	4.41	
0.7	584	162	1.32	X	769	230	1.85	X	1,120	369	2.97	61	1,341	502	4.03	1,433	578	4.59	
0.8	551	164	1.34	X	698	236	1.89	X	1,057	381	3.09	65	1,289	511	4.11	1,392	591	4.65	

DP13GM6009043A* - Rise Range: 45° - 75°																		
Motor Speed	T1 (Heating Speed)				T2 (Heating Speed)				T3 (Heating Speed)				T4 (Cooling Speed)			T5 (Cooling Speed)		
	E.S.P	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	CFM	Watts
0.1	1,125	162	1.44	61	1,466	315	2.67	47	1,780	496	3.33	X	1,942	649	4.83	2,067	792	5.81
0.2	1,049	168	1.53	65	1,384	322	2.74	50	1,730	506	3.89	X	1,883	657	4.87	2,030	811	5.85
0.3	1,000	178	1.60	69	1,347	329	2.78	51	1,664	520	4.01	X	1,859	670	4.96	1,982	814	5.88
0.4	910	184	1.64	75	1,291	341	2.83	53	1,608	526	4.03	X	1,827	675	4.97	1,909	808	5.86
0.5	857	197	1.75	X	1,237	350	2.90	55	1,568	532	4.12	X	1,749	683	4.99	1,842	798	5.85
0.6	809	201	1.83	X	1,185	362	3.05	58	1,515	546	4.14	45	1,706	693	5.10	1,789	772	5.65
0.7	739	207	1.86	X	1,134	369	3.09	60	1,477	552	4.18	46	1,655	703	5.12	1,703	763	5.58
0.8	703	218	1.96	X	1,087	382	3.21	63	1,422	562	4.23	48	1,588	705	5.11	1,618	732	5.29

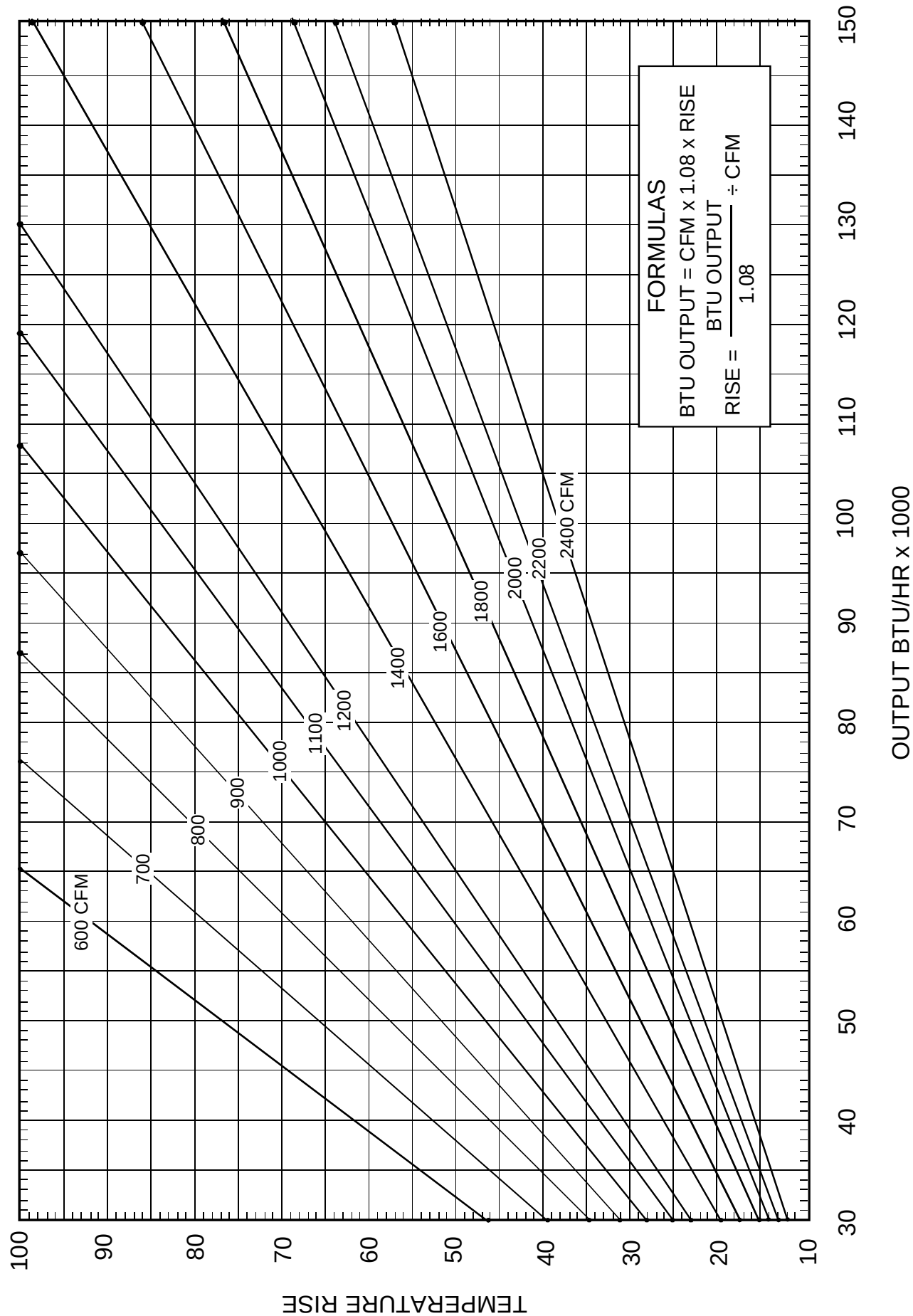
DP13GM6014043A* - Rise Range: 45° - 75°																		
Motor Speed	T1 (Heating Speed)				T2 (Heating Speed)				T3 (Heating Speed)				T4 (Cooling Speed)			T5 (Cooling Speed)		
	E.S.P	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	Rise	CFM	Watts	Amps	CFM	Watts
0.1	1,125	162	1.44	X	1,466	315	2.67	X	1,780	496	3.33	59	1,942	649	4.83	2,067	792	5.81
0.2	1,049	168	1.53	X	1,384	322	2.74	X	1,730	506	3.89	60	1,883	657	4.87	2,030	811	5.85
0.3	1,000	178	1.60	X	1,347	329	2.78	X	1,664	520	4.01	63	1,859	670	4.96	1,982	814	5.88
0.4	910	184	1.64	X	1,291	341	2.83	X	1,608	526	4.03	65	1,827	675	4.97	1,909	808	5.86
0.5	857	197	1.75	X	1,237	350	2.90	X	1,568	532	4.12	67	1,749	683	4.99	1,842	798	5.85
0.6	809	201	1.83	X	1,185	362	3.05	X	1,515	546	4.14	69	1,706	693	5.10	1,789	772	5.65
0.7	739	207	1.86	X	1,134	369	3.09	X	1,477	552	4.18	71	1,655	703	5.12	1,703	763	5.58
0.8	703	218	1.96	X	1,087	382	3.21	X	1,422	562	4.23	72	1,588	705	5.11	1,618	732	5.29

X = Heating Temperature Rise Not Recommended.

NOTE: The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.

BLOWER PERFORMANCE DATA

BTU OUTPUT vs TEMPERATURE RISE CHART



COOLING PERFORMANCE DATA

DP13GM3609043A*

COOLING OPERATION

EXPANDED PERFORMANCE DATA

MODEL: DP13GM3609043A*

IDB*		Airflow		Outdoor Ambient Temperature																																																																																															
				65																75																85																95																105																115															
				Entering Indoor Wet Bulb Temperature																																																																																															
80	1350	MBh	36.3	37.1	38.6	42.4	35.5	36.2	38.7	41.4	34.6	35.4	37.8	40.4	33.8	34.5	36.9	39.4	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7																																																									
		S/T	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64	1.00	1.00	0.85	0.64	1.00	1.00	0.85	0.64																																																									
		Delta T	25	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	22	22	20	16	20	21	19	15	20	21	19	15	20	21	19	15	20	21	19	15																																																									
		KW	2.61	2.66	2.74	2.83	2.80	2.86	2.95	3.04	2.97	3.04	3.13	3.23	3.12	3.19	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66																																																									
		AMPS	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4																																																									
		HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545	460	495	523	545	460	495	523	545	460	495	523	545	460	495	523	545																																																									
		LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	137	146	160	170	142	151	165	176	137	146	160	170	142	151	165	176																																																									
		MBh	35.3	36.0	38.5	41.1	34.4	35.2	37.6	40.2	33.6	34.3	36.7	39.2	32.8	33.5	35.8	38.3	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7																																																									
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.99	0.81	0.60	1.00	1.00	0.81	0.61	1.00	0.99	0.81	0.60	1.00	1.00	0.81	0.61	1.00	0.99	0.81	0.60	1.00	1.00	0.81	0.61																																																									
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	23	20	16	22	24	24	21	17	22	23	20	16	22	24	24	21	17	22	23	20	16																																																							
		80	1200	KW	2.59	2.64	2.72	2.81	2.78	2.84	2.93	3.02	2.95	3.01	3.11	3.21	3.10	3.17	3.27	3.37	3.23	3.30	3.40	3.51	3.33	3.41	3.52	3.63	3.23	3.30	3.40	3.51	3.33	3.41	3.52	3.63	3.23	3.30	3.40	3.51	3.33	3.41	3.52	3.63																																																							
AMPS	11.2			11.4	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3																																																									
HI PR	252			271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540	412	443	468	488	455	490	517	540	412	443	468	488	455	490	517	540																																																									
LO PR	113			120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	163	174	136	145	158	168	141	150	163	174	136	145	158	168	141	150	163	174																																																									
MBh	32.5			33.2	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1																																																									
S/T	0.89			0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.59	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59																																																									
Delta T	25			24	21	17	26	25	21	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16	26	25	21	17	24	23	20	16	26	25	21	17	24	23	20	16																																																									
KW	2.53			2.58	2.66	2.74	2.72	2.77	2.86	2.95	2.88	2.94	3.03	3.13	3.03	3.09	3.19	3.29	3.15	3.22	3.32	3.43	3.25	3.32	3.43	3.54	3.15	3.22	3.32	3.43	3.25	3.32	3.43	3.54	3.15	3.22	3.32	3.43	3.25	3.32	3.43	3.54																																																									
AMPS	10.9			11.1	11.4	11.8	11.6	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9																																																									
HI PR	244			263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523	400	430	454	474	442	475	502	523	400	430	454	474	442	475	502	523																																																									
LO PR	109			116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169	132	140	153	163	137	145	159	169	132	140	153	163	137	145	159	169																																																									

85	1350	MBh	36.9	37.7	39.4	42.1	36.1	36.8	38.5	41.1	35.2	35.9	37.6	40.1	34.4	35.0	36.7	39.1	32.6	33.3	34.9	37.2	30.2	30.8	32.3	34.4
		S/T	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	0.90	0.82	1.00	1.00	0.83	0.83
		Delta T	25	25	24	21	25	25	24	21	24	24	24	21	23	24	24	21	22	23	24	21	21	21	22	19
		KW	2.63	2.68	2.77	2.85	2.83	2.88	2.97	3.07	3.00	3.06	3.16	3.26	3.15	3.22	3.32	3.43	3.28	3.35	3.46	3.57	3.39	3.46	3.58	3.69
		AMPS	11.3	11.6	11.9	12.2	12.1	12.3	12.7	13.1	13.0	13.2	13.6	14.1	13.7	14.0	14.4	14.9	14.5	14.8	15.2	15.7	15.2	15.6	16.0	16.6
		Hi PR	257	277	292	305	288	310	328	342	328	353	373	389	374	402	425	443	420	452	478	498	464	500	528	550
	1200	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	148	161	172	144	153	167	178
		MBh	35.9	36.6	38.3	40.9	35.0	35.7	37.4	39.9	34.2	34.9	36.5	39.0	33.4	34.0	35.6	38.0	31.7	32.3	33.8	36.1	29.4	29.9	31.3	33.4
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Delta T	27	26	25	21	27	27	25	22	26	27	25	22	26	26	25	22	24	25	25	22	22	23	23	20
		KW	2.61	2.66	2.74	2.83	2.80	2.86	2.95	3.04	2.97	3.04	3.13	3.23	3.12	3.19	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66
		AMPS	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4
1050	Hi PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545	
	LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	
	MBh	33.1	33.7	35.3	37.7	32.3	33.0	34.5	36.8	31.6	32.2	33.7	36.0	30.8	31.4	32.9	35.1	29.3	29.8	31.2	33.3	27.1	27.6	28.9	30.9	
	S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76	
	Delta T	27	27	25	22	27	27	26	22	28	27	26	22	27	27	26	22	26	26	25	22	24	24	24	21	
	KW	2.55	2.60	2.68	2.76	2.74	2.79	2.88	2.97	2.90	2.96	3.06	3.15	3.05	3.11	3.21	3.32	3.17	3.24	3.34	3.45	3.28	3.35	3.46	3.57	
1050	AMPS	11.0	11.2	11.5	11.9	11.7	12.0	12.3	12.7	12.6	12.8	13.2	13.6	13.3	13.6	14.0	14.4	14.0	14.3	14.7	15.2	14.8	15.1	15.5	16.0	
	Hi PR	247	266	281	293	277	298	315	328	315	339	358	373	359	386	408	425	404	434	459	478	446	480	507	529	
	LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171	

COOLING PERFORMANCE DATA

DP13GM3609043A*

IDB*	Airflow	Outdoor Ambient Temperature															105															115																													
		65															75															85															95														
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																								
80	1350	MBh	36.3	37.1	39.6	42.4	35.5	36.2	38.7	41.4	34.6	35.4	37.8	40.4	33.8	34.5	36.9	39.4	32.1	32.8	35.0	37.4	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7	31.0	31.7	33.7	36.0	38.3	30.3	31.0	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1														
		S/T	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64	1.00	1.00	0.81	0.61	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61															
		Delta T	25	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	22	20	16	20	21	19	15	21	20	18	16	20	19	17	15	19	18	16	14	17	16	14	12	10														
		KW	2.61	2.66	2.74	2.83	2.80	2.86	2.95	3.04	3.13	3.23	3.12	3.19	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66	3.36	3.44	3.55	3.66													
		AMPS	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4	15.1	15.4	15.9	16.4	15.1	15.4	15.9	16.4	15.1	15.4	15.9	16.4	15.1	15.4	15.9	16.4	15.1	15.4	15.9	16.4															
		HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545	460	495	523	545	460	495	523	545	460	495	523	545	460	495	523	545	460	495	523	545															
		LOPR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	142	151	165	176	142	151	165	176	142	151	165	176	142	151	165	176	142	151	165	176															
		MBh	35.3	36.0	38.5	41.1	34.4	35.2	37.6	40.2	33.6	34.3	36.7	39.2	32.8	33.5	35.8	38.3	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7															
1200	1200	S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.99	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60															
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	23	20	16	22	23	20	16	22	23	20	16	22	23	20	16	22	23	20	16	22	23	20	16															
		KW	2.59	2.64	2.72	2.81	2.78	2.84	2.93	3.02	2.95	3.01	3.11	3.21	3.10	3.17	3.27	3.37	3.23	3.30	3.40	3.51	3.33	3.41	3.52	3.63	3.33	3.41	3.52	3.63	3.33	3.41	3.52	3.63	3.33	3.41	3.52	3.63	3.33	3.41	3.52	3.63	3.33	3.41	3.52	3.63															
		AMPS	11.2	11.4	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3	15.0	15.3	15.8	16.3	15.0	15.3	15.8	16.3	15.0	15.3	15.8	16.3	15.0	15.3	15.8	16.3	15.0	15.3	15.8	16.3															
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540	455	490	517	540	455	490	517	540	455	490	517	540	455	490	517	540	455	490	517	540															
		LOPR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	163	174	141	150	163	174	141	150	163	174	141	150	163	174	141	150	163	174	141	150	163	174															
		1050	1050	MBh	32.5	33.2	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1													
				S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59	1.03	0.96	0.78	0.59													
Delta T	25			24	21	17	26	25	21	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16															
KW	2.53			2.58	2.66	2.74	2.72	2.77	2.86	2.95	2.88	2.94	3.03	3.13	3.03	3.09	3.19	3.29	3.15	3.22	3.32	3.43	3.25	3.32	3.43	3.54	3.25	3.32	3.43	3.54	3.25	3.32	3.43	3.54	3.25	3.32	3.43	3.54	3.25	3.32	3.43	3.54	3.25	3.32	3.43	3.54															
AMPS	10.9			11.1	11.4	11.8	11.6	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9	14.6	14.9	15.4	15.9															
HI PR	244			263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523	442	475	502	523	442	475	502	523	442	475	502	523	442	475	502	523	442	475	502	523															
LOPR	109			116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169	137	145	159	169	137	145	159	169	137	145	159	169	137	145	159	169	137	145	159	169															

COOLING PERFORMANCE DATA

DP13GM4809043A*

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: DP13GM4809043A*

COOLING OPERATION

IDB*	Airflow	Outdoor Ambient Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		65										75										85										95										105										115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1700	MBh	45.4	47.0	51.5	-	44.3	45.9	50.3	-	43.3	44.9	49.1	-	42.2	43.8	47.9	-	40.1	41.6	45.5	-	37.2	38.5	42.2	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.69	0.48	-	0.86	0.71	0.50	-	0.89	0.74	0.51	-	0.90	0.75	0.52	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	S/T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	18	16	12	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Delta T	3.28	3.34	3.44	-	3.51	3.58	3.68	-	3.71	3.79	3.90	-	3.89	3.97	4.09	-	4.04	4.13	4.25	-	4.17	4.26	4.39	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	AMPS	15.9	16.2	16.6	-	16.9	17.2	17.6	-	17.9	18.3	18.7	-	18.9	19.2	19.7	-	19.8	20.2	20.7	-	20.7	21.1	21.7	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Hi PR	241	259	274	-	270	291	307	-	308	331	349	-	350	377	398	-	394	424	448	-	435	468	495	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1520	LOPR	115	123	134	-	122	129	141	-	126	135	147	-	133	141	154	-	139	148	162	-	144	153	167	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	S/T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	20	17	13	-	20	18	13	-	20	18	13	-	19	16	12	-	19	16	12	-	19	16	12	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Delta T	3.26	3.32	3.42	-	3.49	3.56	3.66	-	3.69	3.77	3.88	-	3.87	3.95	4.07	-	4.02	4.10	4.23	-	4.15	4.24	4.37	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	AMPS	15.9	16.1	16.5	-	16.8	17.1	17.5	-	17.9	18.2	18.6	-	18.8	19.1	19.6	-	19.7	20.1	20.6	-	20.6	21.0	21.6	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

COOLING PERFORMANCE DATA

IDB*		Airflow		Outdoor Ambient Temperature																																															
				65								75								85								95								105								115							
				59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
	1700	MBh	47.0	48.0	51.3	54.8	45.9	46.9	50.1	53.5	44.8	45.8	48.9	52.3	43.7	44.7	47.7	51.0	41.5	42.4	45.3	48.4	38.5	39.3	42.0	44.9	S/T	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.85	0.64				
		DetaT	25	24	21	16	25	24	21	17	24	24	21	17	24	24	21	17	22	23	21	17	21	21	19	15	KW	3.33	3.39	3.49	3.59	3.56	3.63	3.74	3.85	3.77	3.84	3.96	4.08	3.95	4.03	4.16	4.29	4.11	4.19	4.32	4.46	4.24	4.33	4.46	4.61
		AMPS	16.1	16.4	16.8	17.3	17.1	17.4	17.8	18.3	18.2	18.5	19.0	19.6	19.2	19.5	20.0	20.6	20.1	20.5	21.0	21.7	21.1	21.5	22.0	22.7	HI PR	246	265	279	291	276	297	314	327	314	338	357	372	357	385	406	424	402	433	457	477	444	478	505	527
		LOPR	118	125	137	145	124	132	144	154	129	137	150	160	136	144	157	168	142	151	165	176	147	156	171	182	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	47.0	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61	DetaT	26	25	22	17	26	25	22	18	26	26	23	18	26	26	23	18	25	25	22	17	23	23	20	16
		80	1520	KW	3.31	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	4.13	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58	AMPS	16.1	16.3	16.7	17.2	17.0	17.3	17.7	18.2	18.1	18.4	18.9	19.5	19.1	19.4	19.9	20.5	20.0	20.4	20.9	21.6	20.9	21.4
HI PR	244			263	277	289	274	295	311	325	312	335	354	369	355	382	403	421	399	430	454	473	441	475	501	523	LOPR	117	124	136	144	123	131	143	153	128	136	149	159	135	143	156	167	141	150	164	175	146	155	169	180
MBh	42.7			43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8	S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59
DetaT	27			25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17	KW	3.24	3.30	3.39	3.49	3.46	3.53	3.64	3.74	3.66	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47
AMPS	15.7			16.0	16.4	16.8	16.7	17.0	17.4	17.9	17.7	18.1	18.5	19.0	18.7	19.0	19.5	20.1	19.6	19.9	20.5	21.1	20.5	20.9	21.4	22.1	HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507
LOPR	113			120	131	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175																									

COOLING PERFORMANCE DATA

DP13GM60***43A*

EXPANDED PERFORMANCE DATA

MODEL: DP13GM60***43A*

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		65				75				85				95				105				115															
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
2035	MBh	56.3	58.4	64.0	-	55.0	57.0	62.5	-	53.7	55.7	61.0	-	52.4	54.3	59.5	-	49.8	51.6	56.5	-	46.1	47.8	52.4	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-				
	S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-				
	DeltaT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	20	17	13	-	18	16	12	-				
	KW	4.26	4.35	4.48	-	4.57	4.66	4.80	-	4.84	4.94	5.09	-	5.08	5.18	5.34	-	5.28	5.39	5.56	-	5.45	5.57	5.75	-	5.28	5.39	5.56	-	5.45	5.57	5.75	-				
	AMPS	18.0	18.4	18.9	-	19.2	19.6	20.2	-	20.7	21.1	21.7	-	21.9	22.3	23.0	-	23.1	23.6	24.3	-	24.3	24.9	25.6	-	23.1	23.6	24.3	-	24.3	24.9	25.6	-				
1810	Hi PR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	399	-	395	425	448	-	436	469	495	-	395	425	448	-	436	469	495	-				
	LOPR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	132	140	153	-	136	145	158	-				
	MBh	54.7	56.7	62.1	-	53.4	55.4	60.7	-	52.2	54.1	59.2	-	50.9	52.7	57.8	-	48.3	50.1	54.9	-	44.8	46.4	50.9	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-				
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-				
	DeltaT	20	18	13	-	21	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	13	-	20	18	13	-	19	16	13	-				
1590	KW	4.23	4.32	4.44	-	4.53	4.63	4.77	-	4.80	4.90	5.05	-	5.04	5.14	5.30	-	5.24	5.35	5.52	-	5.41	5.53	5.70	-	5.24	5.35	5.52	-	5.41	5.53	5.70	-				
	AMPS	17.9	18.2	18.7	-	19.1	19.5	20.0	-	20.5	20.9	21.5	-	21.7	22.2	22.8	-	22.9	23.4	24.1	-	24.1	24.7	25.4	-	22.9	23.4	24.1	-	24.1	24.7	25.4	-				
	Hi PR	239	257	272	-	268	289	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	465	491	-	391	420	444	-	432	465	491	-				
	LOPR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-	131	139	152	-	135	144	157	-				
	MBh	50.5	52.3	57.3	-	49.3	51.1	56.0	-	48.1	49.9	54.7	-	47.0	48.7	53.3	-	44.6	46.2	50.7	-	41.3	42.8	46.9	-	44.6	46.2	50.7	-	41.3	42.8	46.9	-				
70	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-				
	DeltaT	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	21	18	14	-	19	17	13	-				
	KW	4.14	4.22	4.34	-	4.43	4.52	4.66	-	4.69	4.79	4.93	-	4.92	5.02	5.18	-	5.11	5.22	5.38	-	5.28	5.39	5.56	-	5.11	5.22	5.38	-	5.28	5.39	5.56	-				
	AMPS	17.5	17.8	18.3	-	18.6	19.0	19.6	-	20.0	20.4	21.0	-	21.2	21.6	22.3	-	22.4	22.8	23.5	-	23.5	24.0	24.8	-	22.4	22.8	23.5	-	23.5	24.0	24.8	-				
	Hi PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-	379	408	431	-	419	451	476	-				
75	LOPR	105	111	122	-	111	118	129	-	115	122	134	-	121	129	140	-	127	135	147	-	131	139	152	-	121	129	140	-	131	139	152	-				

COOLING PERFORMANCE DATA

DP13GM60***43A*

		Outdoor Ambient Temperature																																																	
		65								75								85								95								105								115									
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																																																	
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71														
80	2035	MBh	58.3	59.6	63.7	68.1	57.0	58.2	62.2	66.5	55.6	56.8	60.7	64.9	54.3	55.4	59.2	63.3	51.5	52.7	56.3	60.1	47.7	48.8	52.1	55.7	43.3	44.1	45.4	46.8	46.4	4.73	48.8	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84	6.03	
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.62	2.5	24	21	17	25	24	21	17	25	25	21	17	23	24	21	17	22	22	20	16	22	22	20	16	
		Delta T	25	24	21	17	26	24	21	17	25	24	21	17	25	25	21	17	23	24	21	17	22	22	20	16	4.33	4.41	4.54	4.68	4.64	4.73	4.88	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84	6.03	
		KW	18.3	18.7	19.2	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	23.4	22.2	22.7	23.4	24.2	23.5	24.0	24.7	25.6	24.7	25.3	26.0	26.9	24.6	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527
	HI PR	2.46	2.65	2.80	2.92	2.76	2.97	3.14	3.27	3.14	3.38	3.57	3.72	3.85	3.68	3.91	4.07	4.24	4.03	4.26	4.43	4.60	4.77	4.94	5.11	5.28	5.05	5.28	5.45	5.62	5.79	5.96	6.13	6.30	6.47	6.64	6.81	6.98	7.15	7.32	7.49	7.66	7.83	8.00	8.17	8.34					
	LO PR	1.11	1.18	1.29	1.38	1.18	1.25	1.37	1.45	1.22	1.30	1.42	1.51	1.28	1.37	1.49	1.59	1.35	1.43	1.56	1.66	1.39	1.48	1.62	1.72	56.6	57.9	61.8	66.1	55.3	56.5	60.4	64.5	54.0	55.2	58.9	63.0	52.7	53.8	57.5	61.5	50.0	51.1	54.6	58.4	46.3	47.4	50.6	54.1		
	MBh	56.6	57.9	61.8	66.1	55.3	56.5	60.4	64.5	54.0	55.2	58.9	63.0	52.7	53.8	57.5	61.5	50.0	51.1	54.6	58.4	46.3	47.4	50.6	54.1	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60		
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60	26	25	22	17	26	25	22	18	26	25	22	18	25	25	22	18	24	24	20	16	22	22	20	16		
	Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	26	23	18	27	26	23	18	27	26	23	18	52.3	53.4	57.1	61.0	51.0	52.2	55.7	59.6	49.8	50.9	54.4	58.2	48.6	49.7	53.1	56.7	46.2	47.2	50.4	53.9	42.8	43.7	46.7	49.9		
	85	2035	MBh	59.3	60.5	63.3	67.6	58.0	59.1	61.9	66.0	56.6	57.7	60.4	64.4	55.2	56.3	58.9	62.9	52.4	53.5	56.0	59.7	48.6	49.5	51.9	55.3	43.3	43.3	44.1	45.4	46.8	46.4	4.73	48.8	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84
S/T			1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.95	0.77	2.5	26	25	22	26	26	25	22	26	26	25	22	26	26	23	22	24	24	21	17	22	22	20	16	
Delta T			27	26	25	22	26	27	25	22	26	26	25	22	26	26	25	22	26	26	25	22	22	22	20	16	4.36	4.45	4.58	4.72	4.67	4.77	4.91	5.07	4.95	5.06	5.21	5.38	5.20	5.31	5.47	5.65	5.41	5.52	5.70	5.88	5.59	5.71	5.89	6.08	
KW			18.4	18.8	19.3	19.9	19.7	20.1	20.7	21.3	21.2	21.6	22.2	23.0	22.4	22.9	23.6	24.4	23.7	24.2	24.9	25.8	24.9	25.5	26.2	27.1	24.6	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527	
HI PR		2.49	2.68	2.83	2.95	2.79	3.00	3.17	3.31	3.17	3.42	3.61	3.76	3.61	3.89	4.11	4.28	4.07	4.38	4.62	4.82	4.49	4.84	5.11	5.33	5.05	5.28	5.45	5.62	5.79	5.96	6.13	6.30	6.47	6.64	6.81	6.98	7.15	7.32	7.49	7.66	7.83	8.00	8.17	8.34						
LO PR		1.12	1.20	1.31	1.39	1.19	1.26	1.38	1.47	1.23	1.31	1.43	1.53	1.30	1.38	1.51	1.60	1.36	1.45	1.58	1.68	1.41	1.50	1.63	1.74	57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7		
MBh		57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77		
S/T		0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	2.5	28	27	23	28	28	26	23	27	28	26	23	27	28	26	23	24	24	21	17	22	22	20	16		
Delta T		28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	27	26	26	23	22	22	20	16	4.33	4.41	4.54	4.68	4.64	4.73	4.88	5.03	4.92	5.02	5.17	5.33	5.16	5.27	5.43	5.60	5.37	5.48	5.65	5.83	5.54	5.66	5.84	6.03		
1590		2035	KW	18.3	18.7	19.2	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	22.2	22.7	23.4	24.2	23.5	24.0	24.7	25.6	24.7	25.3	26.0	26.9	24.6	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527
	HI PR		2.46	2.65	2.80	2.92	2.76	2.97	3.14	3.27	3.14	3.38	3.57	3.72	3.85	3.68	3.91	4.07	4.03	4.26	4.43	4.60	4.77	4.94	5.11	5.28	5.05	5.28	5.45	5.62	5.79	5.96	6.13	6.30	6.47	6.64	6.81	6.98	7.15	7.32	7.49	7.66	7.83	8.00	8.17	8.34					
	LO PR		1.11	1.18	1.29	1.38	1.18	1.25	1.37	1.45	1.22	1.30	1.42	1.51	1.28	1.37	1.49	1.59	1.35	1.43	1.56	1.66	1.39	1.48	1.62	1.72	53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.2	50.7	51.7	54.1	57.7	49.5	50.4	52.8	56.3	47.0	47.9	50.2	53.5	43.5	44.4	46.5	49.6	
	MBh		53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.2	50.7	51.7	54.1	57.7	49.5	50.4	52.8	56.3	47.0	47.9	50.2	53.5	43.5	44.4	46.5	49.6	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75	
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	2.5	28	28	23	29	28	27	23	29	28	27	23	29	28	26	23	25	26	25	21	17	22	22	20	16	
	Delta T	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	29	28	26	23	22	22	20	16	4.23	4.31	4.44	4.57	4.53	4.62	4.76	4.91	4.80	4.90	5.05	5.21	5.04	5.14	5.30	5.47	5.24	5.35	5.52	5.69	5.41	5.53	5.70	5.88		
	1590	AMPS	17.9	18.2	18.7	19.3	19.1	19.5	20.0	20.7	20.5	20.9	21.5	22.2	21.7	22.2	22.8	23.6	22.9	23.4	24.1	24.9	24.1	24.6	25.4	26.2	24.3	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	430	444	463	432	464	490	511	
		LO PR	1.08	1.15	1.25																																														

COOLING PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (**Delta T**). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (**Delta T**). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

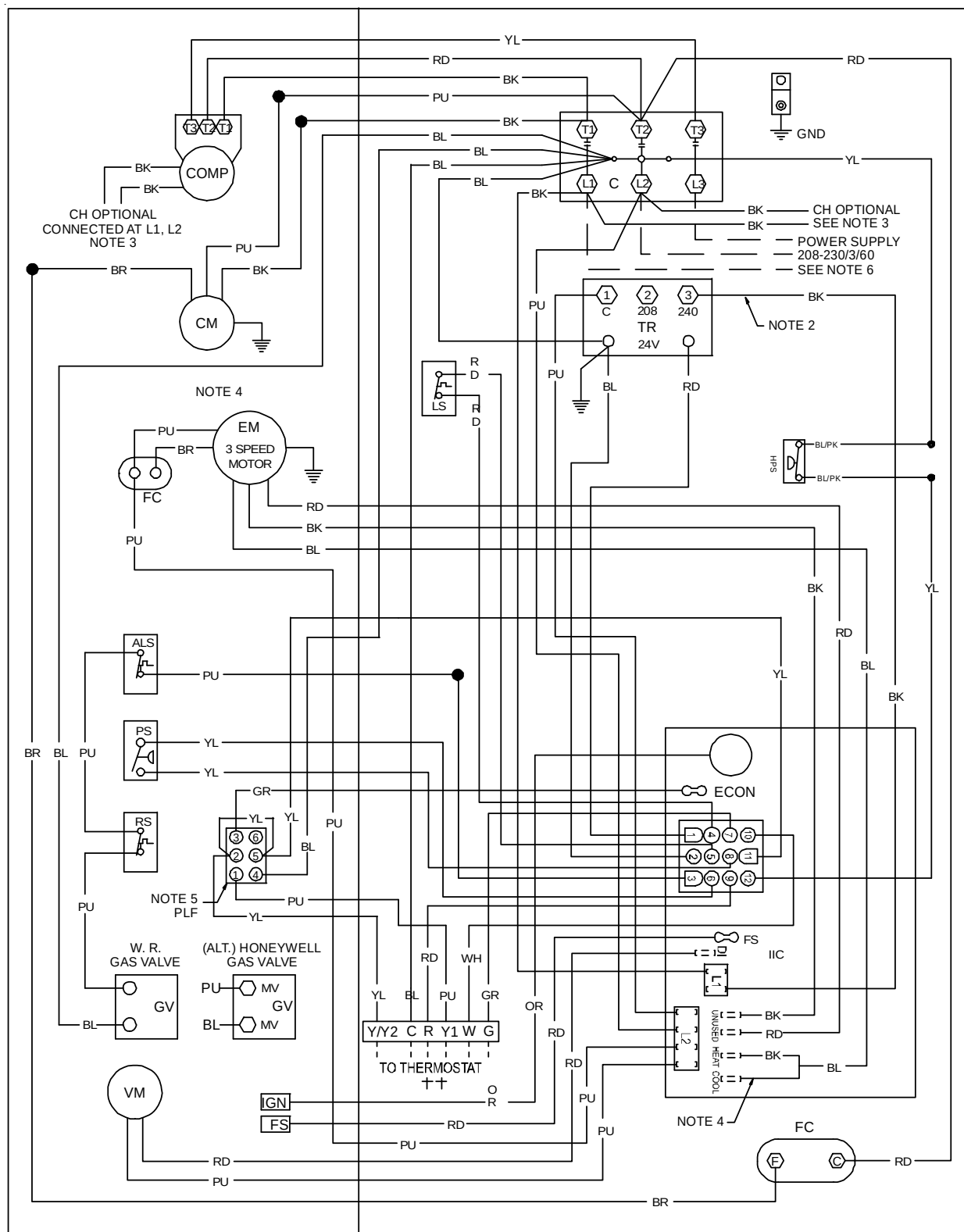
A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

WARNING

HIGH VOLTAGE!
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FOR UNITS MANUFACTURED BEFORE 3/10/14



0140G01001 REV. A

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

WIRING DIAGRAMS

DP13GM3609043A*

WARNING

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FOR UNITS MANUFACTURED BEFORE 3/10/14

COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH	---	LINE VOLTAGE
COMP	COMPRESSOR	---	LOW VOLTAGE
CM	CONDENSER MOTOR	----	OPTIONAL HIGH VOLTAGE
C	CONTACTOR		
CH	CRANKCASE HEATER		
EM	EVAPORATOR MOTOR		
F	FUSE		
FC	FAN CAPACITOR		
FS	FLAME SENSOR		
GND	EQUIPMENT GROUND		
GV	GAS VALVE		
IIC	INTEGRATED IGNITION CONTROL		
IGN	IGNITOR		
LS	LIMIT SWITCH		
PLF	FEMALE PLUG/CONNECTOR		
PS	PRESSURE SWITCH		
RS	ROLLOUT SWITCH		
TR	TRANSFORMER		
VM	VENT MOTOR		
HPS	HIGH PRESSURE SWITCH		

FIELD WIRING

---	HIGH VOLTAGE
---	LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE/PINK

NOTES

- REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL.(USE COPPER CONDUCTOR ONLY).
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
- CRANKCASE HEATER NOT SUPPLIED ON ALL UNITS.
- FOR DIFFERENT THAN FACTORY SPEED TAP. CHANGE COOLING SPEED AT COOL TERMINAL (IIC). CHANGE HEATING SPEED AT HEAT TERMINAL (IIC)

3 SPEED MOTOR

BK	- HIGH SPEED
BL	- MEDIUM SPEED
RD	- LOW SPEED

- ACCESSORY ECONOMIZER PLUG (ON SELECT MODELS) ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT.
- USE COOPER CONDUCTORS ONLY.
++ USE NEC CLASS 2 WIRE.

208-230/3/60

INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH OR OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP ANTI-CYCLE TIMER

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

---	WH	---	(W)
---	GR	---	(G)
---	RD	---	(R)
---	YL	---	(Y)
---	BL	---	(C)

2 STAGE COOLING WITH ECONOMIZER OPTION

---	WH	---	(W)
---	GR	---	(G)
---	RD	---	(R)
---	PU	---	(Y1)
---	YL	---	(Y2)
---	BL	---	(C)

0140G01001 REV. A

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

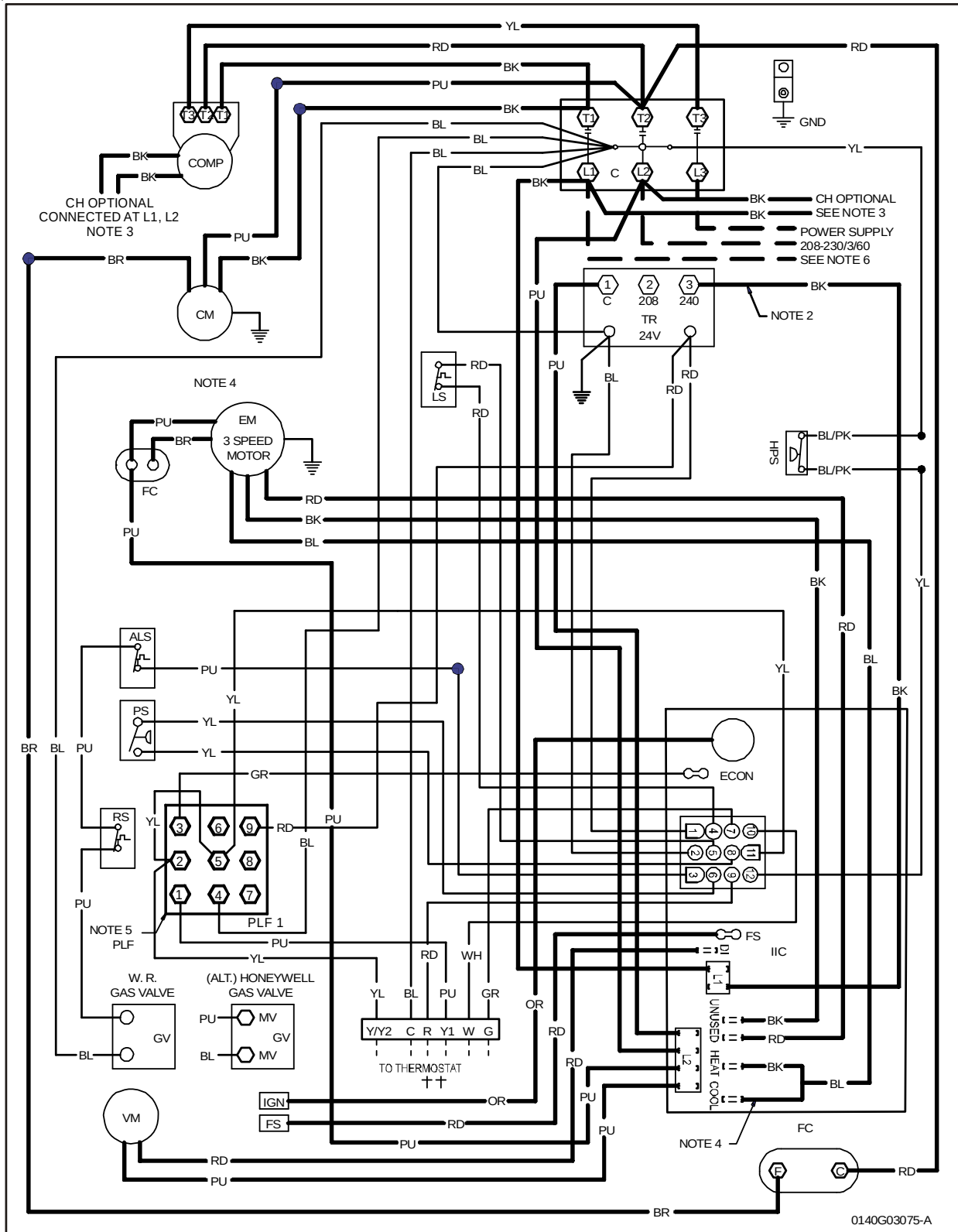
WIRING DIAGRAMS

DP13GM3609043A*

WARNING

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FOR UNITS MANUFACTURED AFTER 3/9/14



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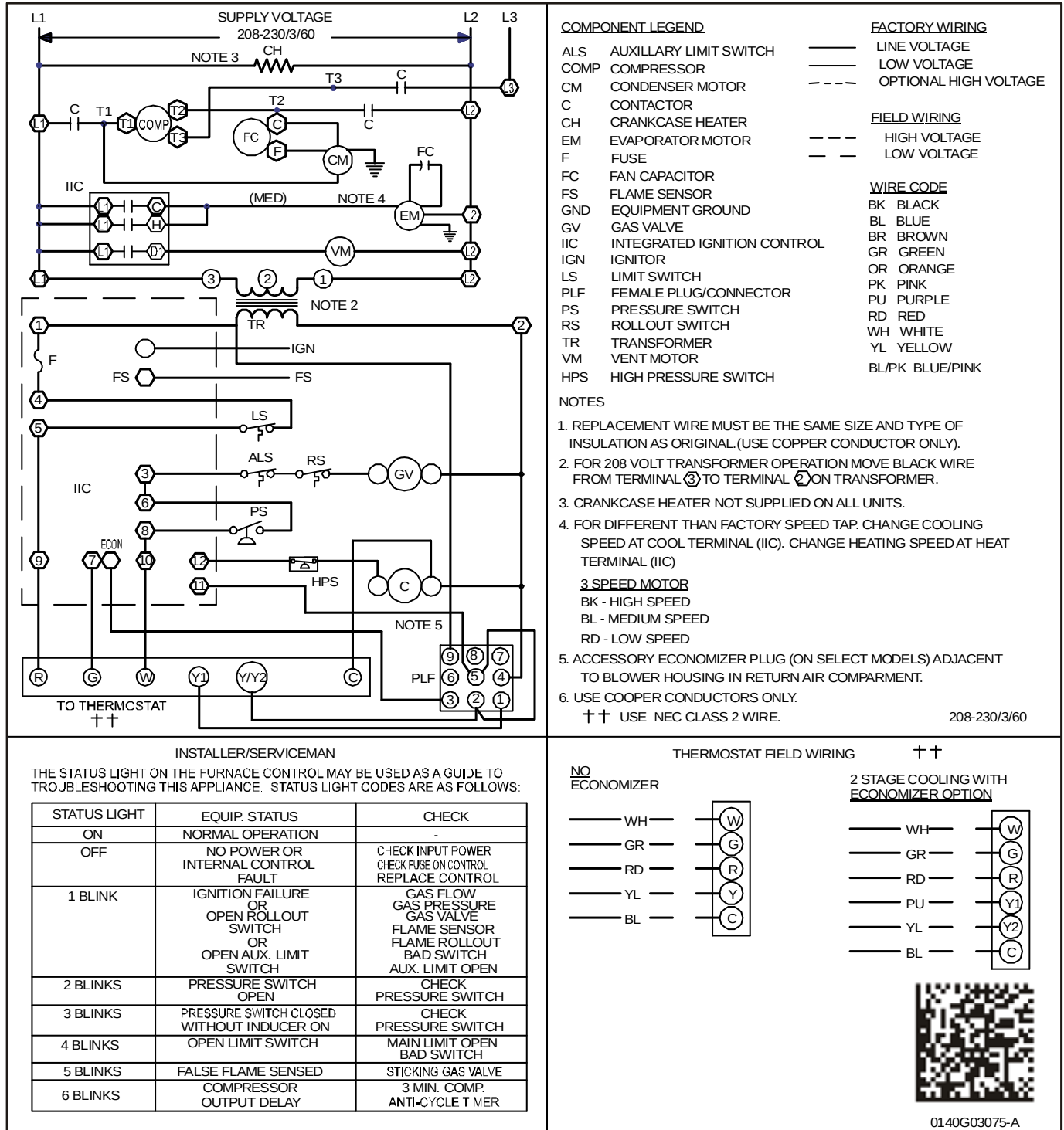
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FOR UNITS MANUFACTURED AFTER 3/9/14



WIRING DIAGRAMS

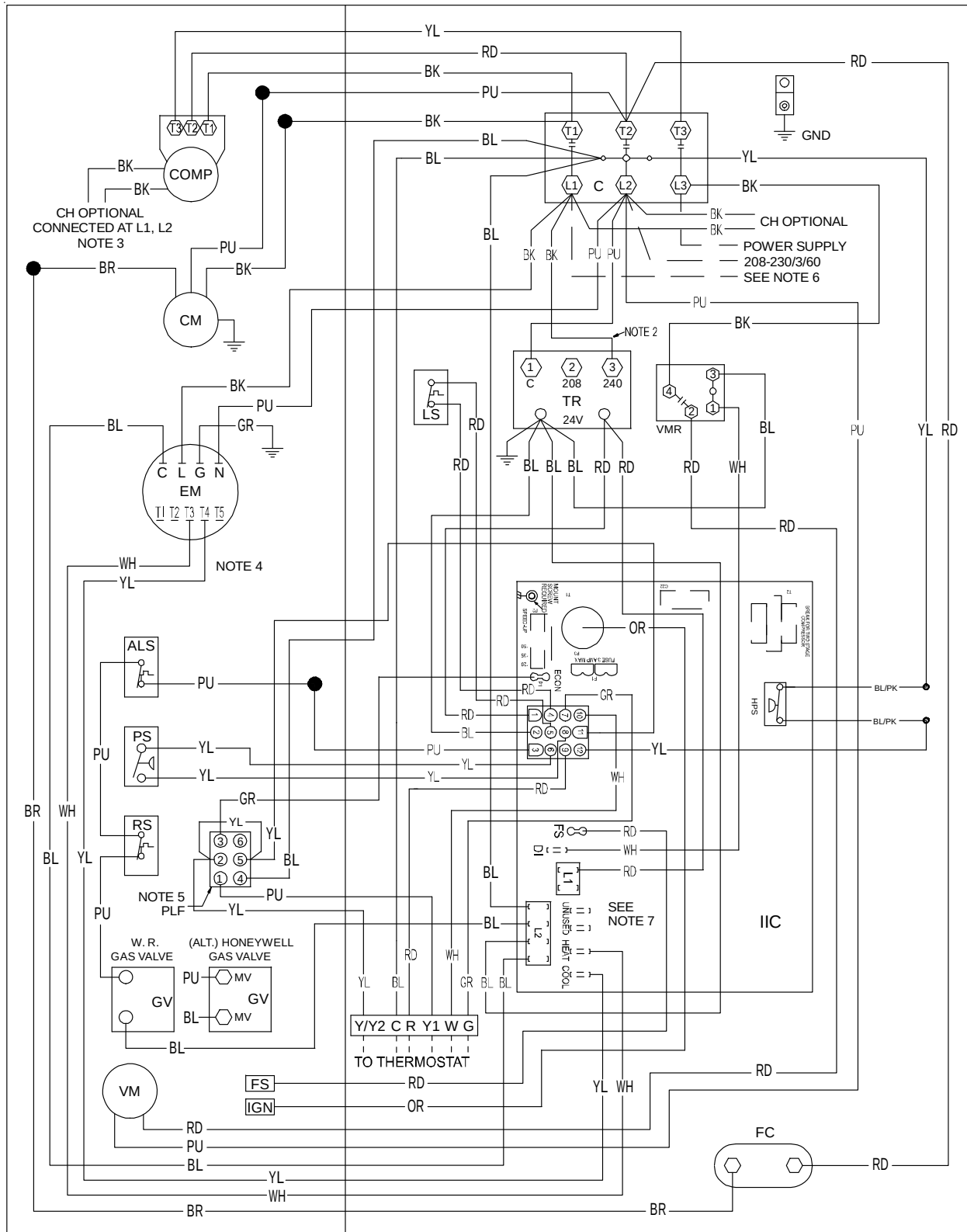
DP13GM[48-60][090-140]43A*


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FOR UNITS MANUFACTURED BEFORE 3/10/14



0140G01002 REV. A

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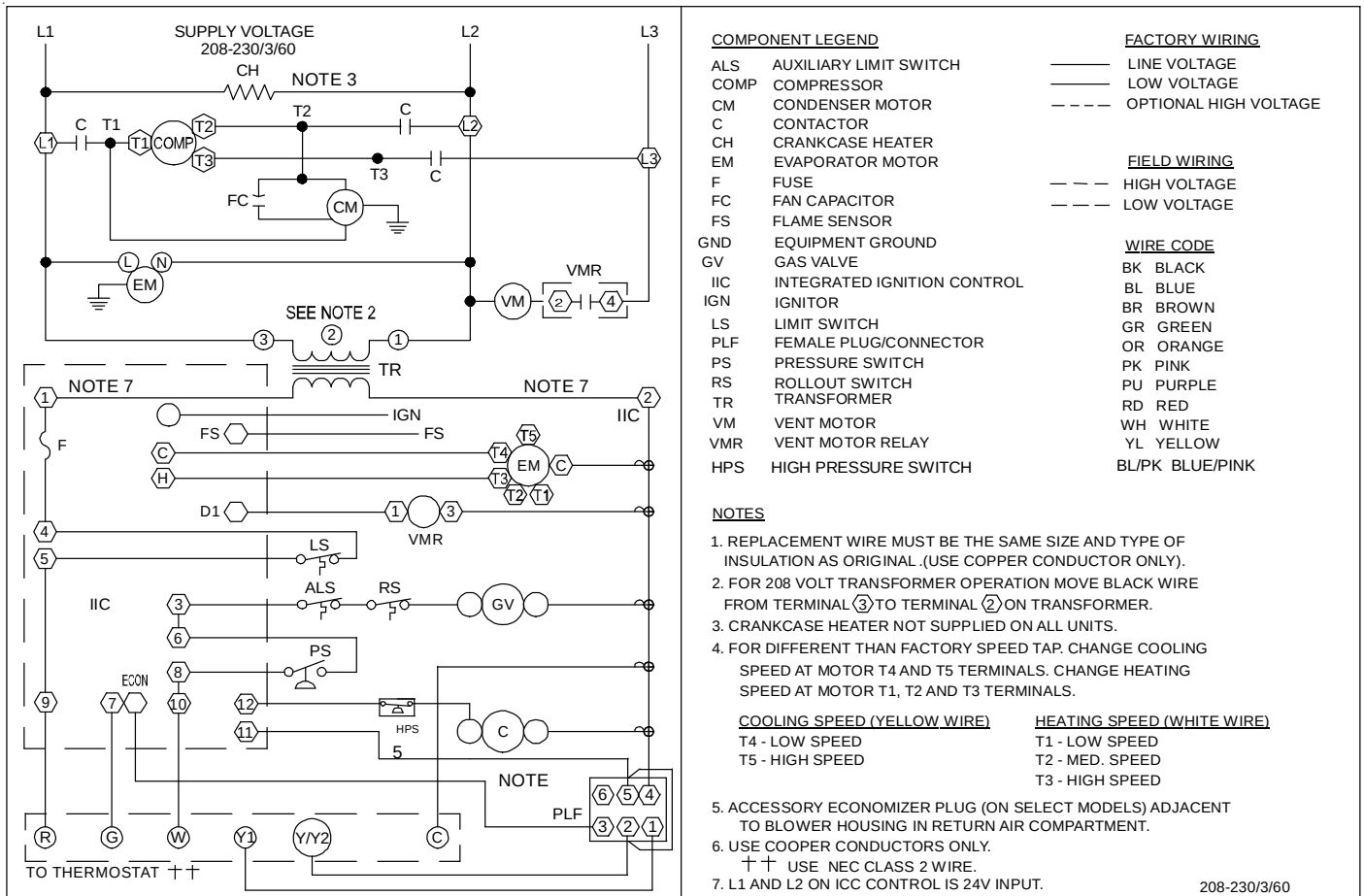
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FOR UNITS MANUFACTURED BEFORE 3/10/14



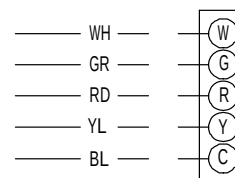
INSTALLER/SERVICEMAN

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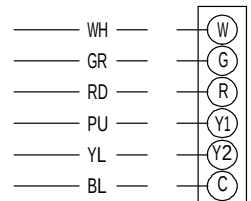
STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
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THERMOSTAT FIELD WIRING ++

NO ECONOMIZER



2 STAGE COOLING WITH ECONOMIZER OPTION



0140G01002 REV. A

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WIRING DIAGRAMS

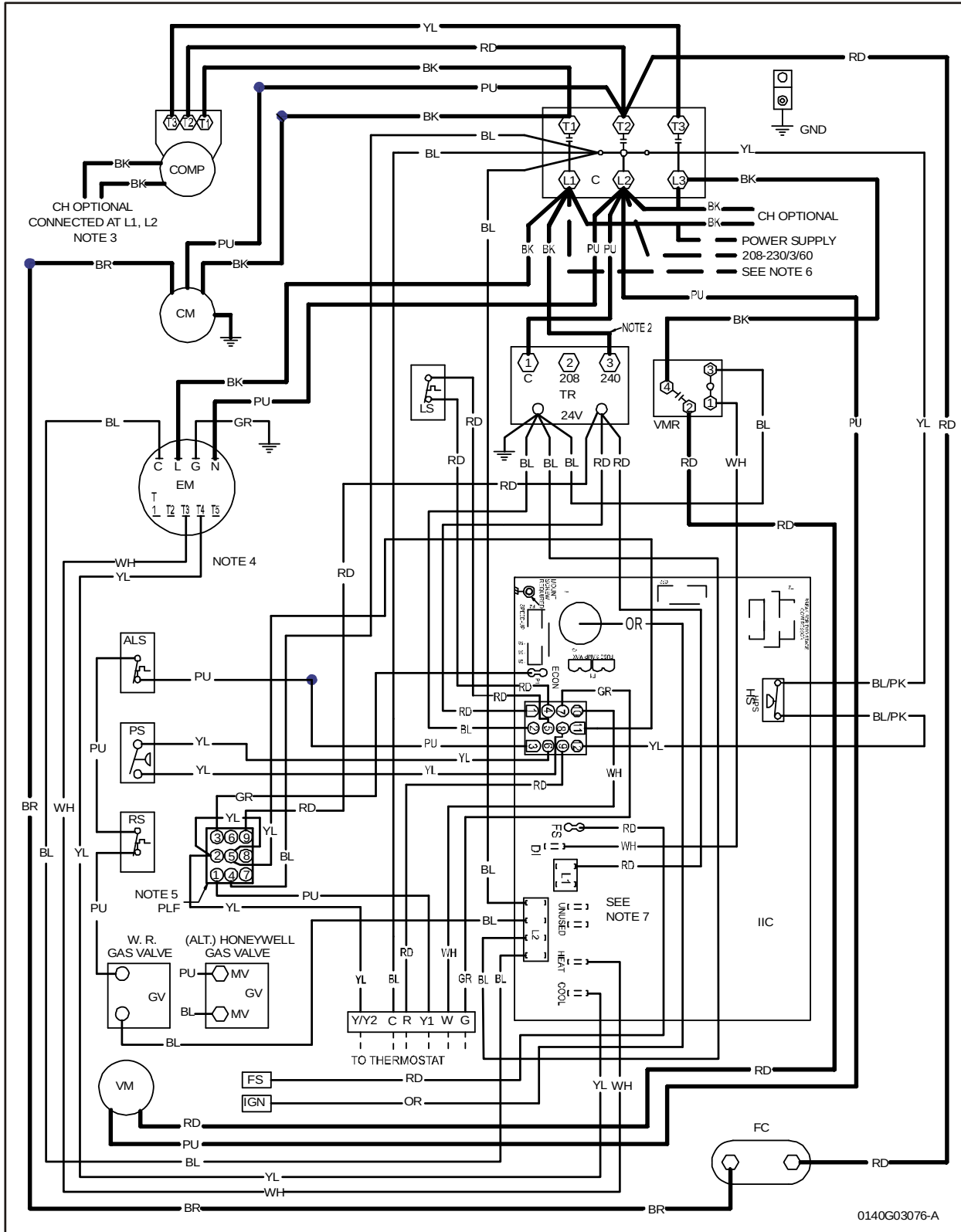
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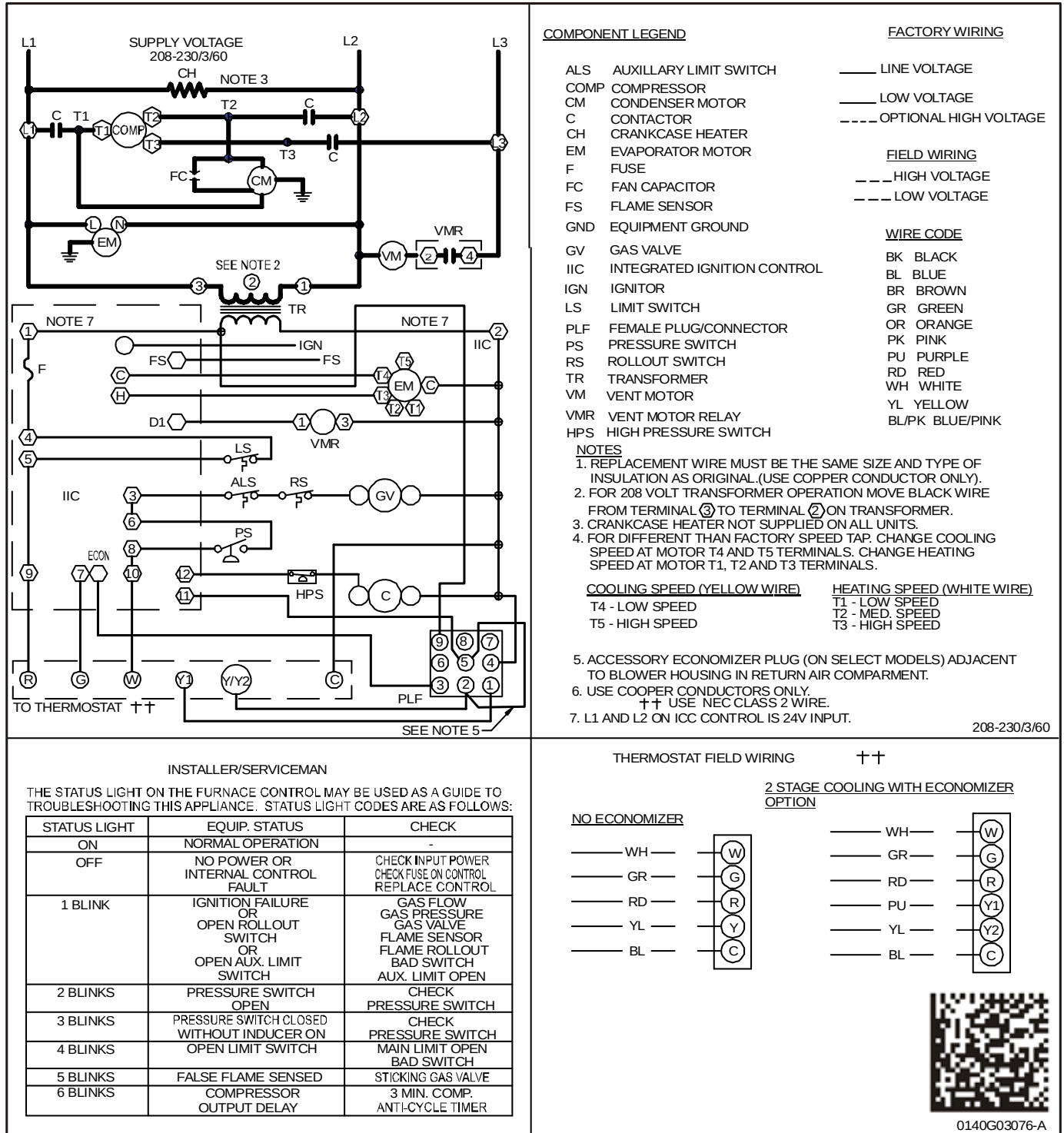
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