



PRODIRECT™ Series Air Conditioner

13.4 SEER2

Cooling capacity: 18 - 60 kBTU/h



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Standard Features:

- R410A chlorine-free refrigerant.
- Energy-efficient compressor.
- Internally protection against high temperature motor overload conditions.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high pressure switch
- AHRI certified and ETL listed
- Optional drier filter as accessory.

Cabinet Features:

- Unique sound control top design.
- Compact design, easy installation and transportation.
- Powder-painted galvanized steel cabinet.
- Wire fan discharge grille.
- Steel louver coil guard

1 Nomenclature

H	AC	13	018	F	A
1	2	3	4	5	6

Legend		
No.	Code	Remarks
1	H	PRODIRECT
2	AC	Air Conditioner
3	13	SEER2
4	018	Capacity (MBTU/H)
5	F	Refrigerant F = R410A
6	A	1st Generation

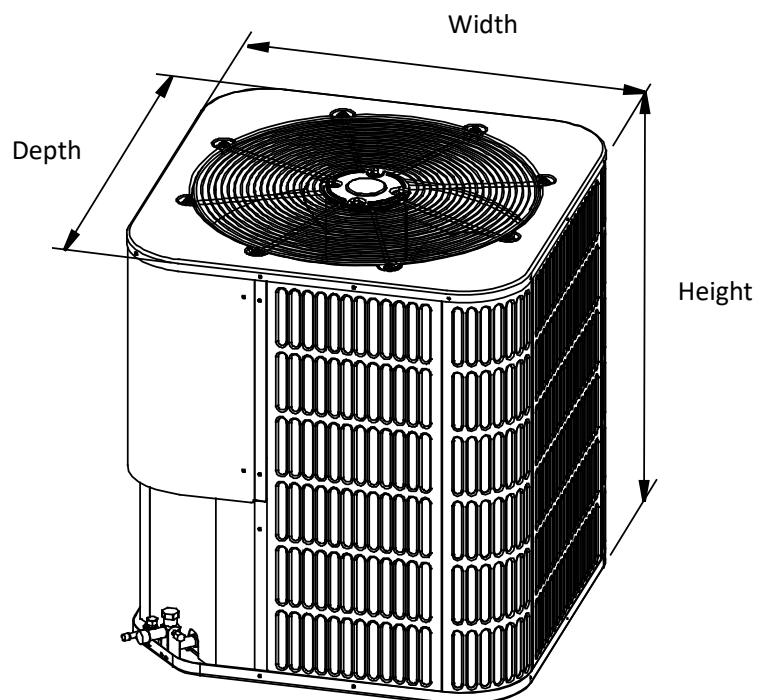
2 Specifications

	HAC13018FA	HAC13024FA	HAC13030FA	HAC13036FA
NOMINAL CAPACITY				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
Heating (BTU/h)	/	/	/	/
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253	187/253
MCA	11.9	16.3	16.3	21.1
MOP	20	25	30	35
COMPRESSOR				
Type	Rotary	Rotary	Rotary	Rotary
Stage	Single	Single	Single	Single
RLA	8.2	11.8	11.8	15.1
LRA	35.0	43.0	58.0	72.0
CONDENSER COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size(O.D)	9/32	3/16	3/16	3/16
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Capacitor(uF)	/	/	/	/
Horsepower (HP)	1-1/6	1-1/6	1-1/6	1-1/3
Full Load Amps (FLA)	1.6	1.6	1.6	2.2
REFRIGERATION SYSTEM				
Liquid Valve Size (O.D.)	3/8	3/8	3/8	3/8
Suction Valve Size (O.D.)	3/4	3/4	3/4	3/4
Liquid Line Size ("O.D.)	3/8	3/8	3/8	3/8
Suction Line Size ("O.D.)	3/4	3/4	3/4	3/4
Refrigerant Charge (lbs. - oz.)	4 LBS.-4 OZ	5 LBS.	5 LBS.-12 OZ	5 LBS.-12 OZ
Superheat(°F)	9°F	9°F	9°F	9°F
OPERATION RANGE				
Cooling(°F)	55-115	55-115	55-115	55-115
Heating(°F)	/	/	/	/
SOUND POWER (DB)	69	72	75	76

Specifications

	HAC13042FA	HAC13048FA	HAC13060FA
NOMINAL CAPACITY			
Cooling (BTU/h)	42,000	48,000	60,000
Heating (BTU/h)	/	/	/
ELECTRICAL DATA			
Voltage / Phase (60 Hz)	208/230 / 1	208/230 / 1	208/230 / 1
Min. / Max. Voltage	187/253	187/253	187/253
MCA	24.8	29.7	38.6
MOP	40	50	60
COMPRESSOR			
Type	Scroll	Scroll	Scroll
Stage	Single	Single	Single
RLA	18.5	22.4	29.5
LRA	112.3	108.0	127.9
CONDENSER COIL			
Type	Tube & Fin	Tube & Fin	Micro Channel
Tube Size(O.D)	3/16	3/16	-
FAN MOTOR			
Motor Type	PSC	PSC	PSC
Capacitor(uF)	15	15	15
Horsepower (HP)	1-1/3	1-1/3	1-1/3
Full Load Amps (FLA)	1.7	1.7	1.7
REFRIGERATION SYSTEM			
Liquid Valve Size (O.D.)	3/8	3/8	3/8
Suction Valve Size (O.D.)	3/4	7/8	7/8
Liquid Line Size ("O.D.)	3/8	3/8	3/8
Suction Line Size ("O.D.)	3/4	7/8	11/8
Refrigerant Charge (lbs. - oz.)	7 LBS.-9 OZ	7 LBS.-12 OZ	8 LBS.-3 OZ
Superheat(°F)	9°F	9°F	9°F
OPERATION RANGE			
Cooling(°F)	55-115	55-115	55-115
Heating(°F)	/	/	/
SOUND POWER (DB)	77	78	81

3 Dimensions

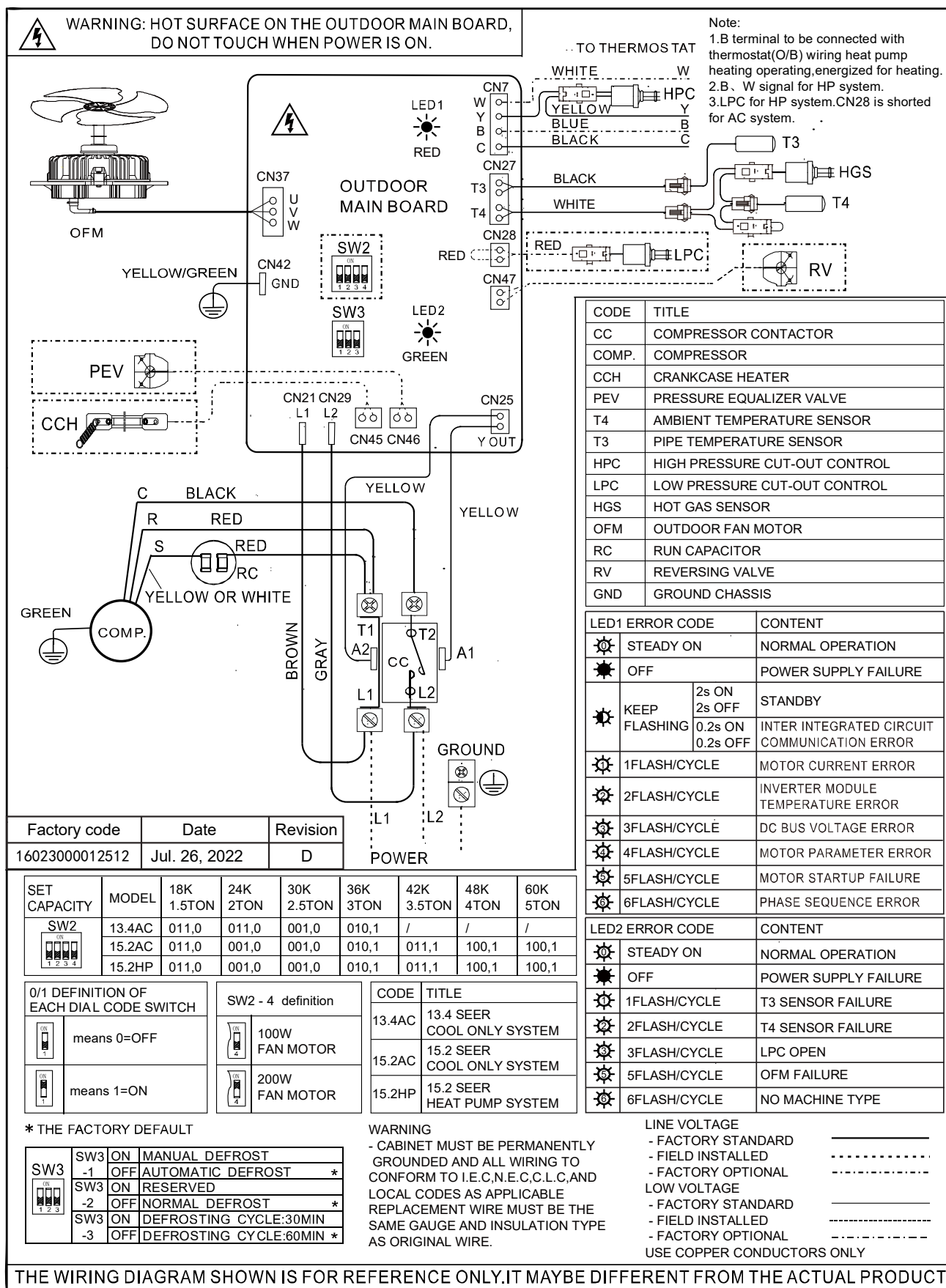


	HAC13018FA	HAC13024FA	HAC13030FA	HAC13036FA
UNIT DIMENSION AND WEIGHTS				
Height (in.)	24-15/16	24-15/16	24-15/16	24-15/16
Width (in.)	23-5/8	23-5/8	28	29-1/8
Depth (in.)	23-5/8	23-5/8	28	29-1/8
Weight (lbs.)	108	119	136	147

	HAC13042FA	HAC13048FA	HAC13060FA
UNIT DIMENSION AND WEIGHTS			
Height (in.)	33-3/16	33-3/16	33-3/16
Width (in.)	28	28	29-1/8
Depth (in.)	28	28	29-1/8
Weight (lbs.)	191	189	200

4 Wiring Diagrams

HAC13018FA, HAC13024FA, HAC13030FA, HAC13036FA



Wiring Diagrams

HAC13042FA, HAC13048FA, HAC13060FA

