Product Value Guide 2012-2013





Even More from Payne.

Since 1914, Payne Heating and Cooling has offerred well-built, affordable options that perform.

And now with added models to the Payne line, you have even more ways to meet your customers' needs. This Product Value Guide provides all the details you'll need to sell with confidence.

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Air Conditioners













2-Stage Air Conditioner with R-410A Refrigerant

Up to 17.2 SEER / 13.2 EER

Available in 24-60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 73 dBA

As low as 71 dBA with accessory compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Two-stage scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



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CONTROLS

Title	Model	Voltage	Refrigerant	Cooling Capacity	Variations	Series	Variations
Product #/ Letter	PA17	N	А	0 3 6	00G	А	B, AA
Descriptions	17 SEER Air	N-208/	A-R-410A	024-2 tons	Dense Wire		
	Conditioner with	230-60-1		036-3 tons	Coil Guard		
	R-410A Refrigerant			048-4 tons			
				060-5 tone			

PERFORMANCEE-

Up to 16.5 SEER / 13.2 EER

Available in single-phase 18-60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 76 dBA

As low as 71 dBA with accessory compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



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Title	Model	Voltage	Refrigerant	Cooling Capacity	Variations	Series	Variations
Product #/ Letter	PA16	N	А	018	00G	А	B, AA
Descriptions	16 SEER Air	N-208-30-1	A-R-410A	024-2 tons	Dense Wire		
	Conditioner with	or 60-1		036-3 tons	Coil Guard		
	R-410A Refrigerant			048-4 tons			
				NAN-5 tone			



PERFORMANCE



PA17NA PA16NA

Payne A	Air Co	nditio	ners
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Fe	eatures	PA17NA	PA16NA
	Efficiency (SEER) (nominal)	up to 17	up to 16
	Efficiency (EER) (up to)	up to 13	up to 12
¥	Energy Star® Compliant	•	•
2	R-410A Refrigerant	•	•
	R-22		
Ĺ.	Nominal Cooling Capacity (tons)	2 to 5	1.5 to 5
	Protective Components:		
Noice	B = Baked-on powder paint DF = Louver coil guard SL = Steel louver coil quard	В	В
5	SG = Standard dense coil grille	SG	SG
	SM = Sheet metal construction SW = Standard wide wire coil quard	SM	SM
	Sound Reduction Components:		
ONOOS	SP = Split post compressor grommets ECM = ECM OD condenser fan motor PSC(BB) = PSC ball bearing fan motor PSC = PSC condenser fan motor	PSC (BB)	PSC (BB)
	F = Forward-swept condenser fan blade CB = Compressor sound hood	СВ	СВ
	Operating Sound Level (dBA)	as low as 71	as low as 74
CON LACES	In-Home Control	Thermostat	Thermostat
	Compressor	2-Stage Scroll	Scroll
	Field-installed filter drier	•	•
5	Front seating service valve	•	•
2	High pressure switch	•	•
	Low pressure switch	•	•
۳.	Internal pressure relief valve	•	•

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Long Line accessory connections Indoor air quality accessories

Limited Compressor Warranty	10 year	10 year
Limited Parts Warranty (upon registration)	10 year	10 year

Physical Data (PA17NA / PA16NA)

Unit Size	Width (In.)	Depth (In.)	Height (In.)	Shipping Weight (lbs.)	Liquid Line Req.	Vapor Line Req.
018	— / 31-3/16	— / 31-3/16	28-7/16 / —	— / 163	3/8	1/2 / 5/8 / 3/4
024	31-3/16 / 31-3/16	31-3/16 / 31-3/16	38-5/8 / 28-7/16	227 / 163	3/8	5/8 / 3/4 / 7/8
030	— / 31-3/16	— / 31-3/16	— / 31-13/16	_ / 171	3/8	5/8 / 3/4 / 7/8
036	31-3/16 / 35	31-3/16 / 35	38-5/8 / 28-5/16	227 / 204	3/8	5/8 / 3/4 / 7/8
042	— / 35	— / 39-1/8	— / 39-1/8	— / 254	3/8	3/4 / 7/8 / 1-1/8
048	35 / 35	35 / 35	38-5/8 / 39-1/8	295 / 274	3/8	3/4 / 7/8 / 1-1/8
060	35 / 35	35 / 35	45-7/16 / 45-15/16	346 / 310	3/8	3/4 / 7/8 / 1-1/8

Up to 13 SEER / 12 EER

PERFORMANCEE

Available in single-phase $18-60 \, \text{K}$ and three phase $36 \, \text{K}$, $48 \, \text{K}$ and $60 \, \text{K}$ sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Standard grille guard

Levels as low as 76 dBA

As low as 74 dBA with accessory compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



PA13PA

(shown with optional dense wire coil guard)

Nomenclature

Title	Model	Voltage	Refrigerant	
Product #/ Letter	PA13	N	А	
Descriptions	13 SEER Air Conditioner with R-410A Refrigerant	N-208/230-60-1 P-208/230-60-3	A-R-410A	

Cooling Capacity	Variations	Series	Variations	
018	00G	А	B, AA	
018-1.5 tons	Dense Wire Coil Guard			
024-2 tons				
030-2.5 tons				
036-3 tons				
042-3.5 tons				
048-4 tons				
060-5 tons				

PERFORMANCE

Up to 13 SEER / 12 EER

Available in single-phase 18-60K and three phase 36K, 48K and 60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 76 dBA

As low as 74 dBA with accessory compressor sound hood

System supports standard thermostat controls

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



PA13NR PA13PR

Title	Model	Voltage	Refrigerant	Cooling Capacity	Variations	Series	Variations
Product #/ Letter	PA13	N	R	0 3 6	00G	А	A, AA
Descriptions	Electric Air	N-208/230-60-1	R-R22 capable	018-1.5 tons	Dense Wire Coil Guard		
	Conditioner	P-208/230-60-3		024-2 tons			
	shipped with dry			030-2.5 tons			
	nitrogen charge			036-3 tons			
				042-3.5 tons			
12				048-4 tons			
14				060 5 tops			

10 year

10 year



PA13NA* PA13PA* PA13NR PA13PR

Internal pressure relief valve Long Line accessory connections Indoor air quality accessories

Limited Compressor Warranty

Limited Parts Warranty (upon registration)

eatures	PA13(N,P)A	PA13(N,P)R
Efficiency (SEER) (nominal)	up to 13	up to 13
Efficiency (EER) (up to)	up to 12	up to 12
Energy Star® Compliant		
Efficiency (EER) (up to) Energy Star® Compliant R-410A Refrigerant R-22	•	
R-22		•
Nominal Cooling Capacity (tons)	1.5 to 5	1.5 to 5
Protective Components:		
B = Baked-on powder paint DF = Louver coil guard SL = Steel louver coil guard SG = Standard dense coil grille	В	В
SM = Sheet metal construction SW = Standard wide wire coil guard	SM SW	SM SW
Sound Reduction Components: SP = Split post compressor grommets ECM = ECM 0D condenser fan motor PSC(BB) = PSC ball bearing fan motor PSC = PSC condenser fan motor F = Forward-swept condenser fan blade CB = Compressor sound hood	PSC (BB) CB	PSC (BB) CB
Operating Sound Level (dBA)		
In-Home Control	Thermostat	Thermostat
Compressor	Scroll	Scroll
Field-installed filter drier	•	•
Front seating service valve	•	•
Front seating service valve High pressure switch Low pressure switch	•	•
Low pressure switch	•	•

10 year

10 year

Physical Data	(PA13NA/PA/	PA13NR/PRJ
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Unit Size	Width (In.)	Depth (In.)	Height (In.)	Shipping Weight (lbs.)	Liquid Line Req.	Vapor Line Req.
018	23-1/8	23-1/8	24-13/16	124 / 120	3/8	1/2 / 5/8 / 3/4
024	23-1/8	23-1/8	24-13/16 / 28-7/16	127 / 123	3/8	5/8 / 3/4 / 7/8
030	23-1/8	23-1/8	28-7/16	130 / 126	3/8	5/8 / 3/4 / 7/8
036	23-1/8 / 31-3/16	23-1/8 / 31-3/16	35-3/16 / 24-13/16	144 / 157	3/8	5/8 / 3/4 / 7/8
042	31-3/16	31-3/16	31-13/16	195 / 188	3/8	3/4 / 7/8 / 1-1/8
048	31-3/16	31-3/16	35-3/16 / 42	206 / 208	3/8	3/4 / 7/8 / 1-1/8
060	31-3/16	31-3/16	28-7/16 / 35-13/16	224 / 233	3/8	3/4 / 7/8 / 1-1/8

^{*}shown with optional dense wire coil guard

Heat Pumps













2-Stage Heat Pump with R-410A Refrigerant

Up to 17 SEER / up to 9.5 HSPF

Available in 24-60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 71 dBA

Compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Two-stage scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



Nomenclature

Title	Model	Voltage	Refrigerant	Cooling Capacity	Variations	Series	Variations
Product #/ Letter	PH16	N	А	0 1 8	00G	А	B, AA
Descriptions	16 SEER Heat	N-208/	A-R-410A	024-2 tons	Dense Wire		
	Pump with	230-60-1		036-3 tons	Coil Guard		
	R-410A Refrigerant			048-4 tons			
				040-5 tone			

PERFORMANCEE -

Up to 15.5 SEER / up to 9 HSPF

Available in single-phase 18-60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 70 dBA

Compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



Nomenclature

Title	Model	Voltage	Refrigerant	
Product #/ Letter	PH15	N	В	
Descriptions	15 SEER Heat Pump with R-410A Refrigerant	N-208/230-60-1	B-R-410A	

Cooling Capacity	Variations	Series	Variations
018	000	А	A, AA
018-1.5 tons	000-Variations		
024-2 tons	00G-Dense Grille		
030-2.5 tons			
036-3 tons			
048-4 tons			
060-5 tons			

13 SEER / up to 8.2 HSPF

Available in single-phase 18-60K and three phase 48 K and 60 K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Standard grille guard (Dense wire coil guard option)

Levels as low as 76 dBA

Compressor sound hood

System supports standard thermostat controls

R-410A Refrigerant

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



111131 B

060-5 tons

(shown with optional dense wire coil guard)

Nomenclature

Title	Model	Voltage	Refrigerant	Cooling Capacity	Variations	Series	Variations
Product #/ Letter	PH13	N, P	В	018	000	А	A, AA
Descriptions	13 SEER Heat	N-208/230-60-1	B-R-410A	018-1.5 tons	000-Variations		
	Pump with	P-208/230-60-3		024-2 tons	00G-Dense Grille		
	R-410A Refrigerant			030-2.5 tons			
				036-3 tons			
				042-3.5 tons			

Single-Stage Heat Pump for use with R-22 Refrigerant

PERFORMANCE

13 SEER / up to 8.0 HSPF

Available in single-phase 18-60K and three phase 48K and 60K sized units

10-year limited compressor warranty

10-year parts limited warranty upon registration

Solid, durable sheet metal construction

Baked-on powder paint

Dense wire coil guard

Levels as low as 76 dBA

Compressor sound hood

System supports standard thermostat controls

Scroll compressor

Filter drier

Front seating service valves

High pressure switch, low pressure switch



PH13NR PH13PR

Nomenclature

CONTROLS

Title	Model	Voltage	Refrigerant	
Product #/ Letter	PH13	N, P	R	
Descriptions	Heat Pump	N-208/230-60-1	R-R22 capable	
		P-208/230-60-3		

Cooling Capacity	Variations	Series	Variations
0 1 8	000	А	A, AA
018-1.5 tons	000-Variations		
024-2 tons	00G-Dense Grille		
030-2.5 tons			
036-3 tons			
042-3.5 tons			
048-4 tons			
060-5 tons			





PH16NA PH15NB

atures	PH16NA	PH15NB
Efficiency (SEER) (nominal)	up to 17	up to 15.5
Efficiency (HSPF) (up to)	up to 9.5	up to 9
Energy Star® Compliant	•	•
R-410A Refrigerant	•	•
R-22		
Nominal Cooling Capacity (tons)	2 to 5	1.5 to 5
Protective Components:		
B = Baked-on powder paint SG = Standard dense coil grille SM = Sheet metal construction	B SG SM	B SG SM
SW = Standard wide wire coil guard		
Sound Reduction Components: SP = Split post compressor grommets ECM = ECM OD condenser fan motor PSC(BB) = PSC ball bearing fan motor		
PSC = PSC condenser fan motor F = Forward-swept condenser fan blade	PSC (BB)	PSC (BB)
CB = Compressor sound hood	СВ	СВ
Operating Sound Level (dBA)	as low as 71	as low as 70
In-Home Control	Thermostat	Thermostat
Compressor	2-Stage Scroll	Scroll
E: 11: 10: 10: 10: 1:		

_			
	Compressor	2-Stage Scroll	Scroll
	Field-installed filter drier	•	•
√	Front seating service valve	•	•
	High pressure switch	•	•
ECHNO	Low pressure switch	•	•
Ä	Internal pressure relief valve	•	•
	Long Line accessory connections	•	•
	Indoor air quality accessories	•	•
_			
≱			
N N	Limited Compressor Warranty	10 year	10 year
AR	Limited Parts Warranty (upon registration)	10 year	10 year
>			

Limited Compressor Warranty	10 year	10 year
Limited Parts Warranty (upon registration)	10 year	10 year

Physical Data	(PH16NA/PH15NB)
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Unit Size	Width (In.)	Depth (In.)	Height (In.)	Shipping Weight (lbs.)	Liquid Line Req.	Vapor Line Req.
018	— / 31-3/16	— / 31-3/16	— / 28-15/16	— / 207	3/8	1/2 / 5/8
024	35 / 35	35 / 35	38-5/8 / 32-15/16	304 / 233	3/8	5/8 / 3/4
030	— / 35	— / 35	— / 32-5/16	— / 242	3/8	5/8 / 3/4 / 7/8
036	35 / 35	35 / 35	38-5/8 / 35-3/4	305 / 257	3/8	5/8 / 3/4 / 7/8
042	— / 35	— / 39-1/8	— / 28-15/16	— / 290	3/8	3/4 / 7/8
048	35 / 35	35 / 35	38-5/8 / 28-15/16	313 / 303	3/8	3/4 / 7/8 / 1-1/8
060	35 / 35	35 / 35	45-7/16 / 39-1/8	318 / 345	3/8	3/4 / 7/8 / 1-1/8

PSC (BB)

СВ

as low as 76

Thermostat

Scroll



PH13NB* PH13PB* PH13NR PH13PR

*shown with optional dense wire coil guard

Р	ayne Heat Pumps		
F	eatures	PH13(N,P)B	PH13(N,P)R
PERFORMANCE	Efficiency (SEER) (nominal)	13	13
	Efficiency (HSPF) (up to)	up to 8.2	up to 8.0
MA	Energy Star® Compliant		
F.	R-410A Refrigerant	•	
Ë	R-22		•
Ī	Nominal Cooling Capacity (tons)	1.5 to 5	1.5 to 5
	Protective Components:		
DESIGN	B = Baked-on powder paint SG = Standard dense coil grille SM = Sheet metal construction SW = Standard wide wire coil guard	B SM SW	B SG SM
	Sound Reduction Components:		

PSC (BB)

СВ

as low as 76

Thermostat

Scroll

SP = Split post compressor grommets ECM = ECM OD condenser fan motor PSC(BB) = PSC ball bearing fan motor PSC = PSC condenser fan motor F = Forward-swept condenser fan blade

F = Forward-swept condenser fan blade CB = Compressor sound hood Operating Sound Level (dBA)

operating Sound Level (aB/1)

In-Home Control

Compressor
Field-installed filter drier
Front seating service valve
High pressure switch
Low pressure switch

Internal pressure relief valve
Long Line accessory connections

Indoor air quality accessories

Limited Compressor Warranty
Limited Parts Warranty (upon registration)

 10 year
 10 year

 10 year
 10 year

Physical Data (PA13NA/PA / PA13NR/PR)

Unit Size	Width (In.)	Depth (In.)	Height (In.)	Shipping Weight (lbs.)	Liquid Line Req.	Vapor Line Req.
018	23-1/8	23-1/8	28-7/16	134 / 131	3/8	1/2 / 5/8 / 3/4
024	23-1/8	23-1/8	35-3/16 / 31-13/16	143 / 132	3/8	5/8 / 3/4
030	31-3/16	31-3/16	28-7/16	183 / 147	3/8	5/8 / 3/4 / 7/8
036	31-3/16	31-3/16	31-13/16 / 28-7/16	198 / 175	3/8	5/8 / 3/4 / 7/8
042	31-3/16	31-3/16	38-5/8 / 31-13/16	223 / 205	3/8	3/4 / 7/8
048	31-3/16	31-3/16	28-7/16	230 / 220	3/8	3/4 / 7/8 / 1-1/8
060	31-3/16	31-3/16	42 / 31-13/16	298 / 243	3/8	3/4 / 7/8 / 1-1/8

Fan Coils



Variable-Speed ECM	
Direct Expansion	
	<u>i.</u>
Base Apartment	

Variable-Speed Fan Coil with R-410A Refrigerant

Factory installed R-410A Refrigerant TXV (FV4)

15 to 20 degree significantly warmer supply air temperature when installed with the Payne Thermidistat™ Control

Unique cabinets meet 2% air leakage

High-efficiency, variable speed blower motor (ECM)

Field-installed heater packages available

Multipoise fan coil design for installation flexibility

Modular cabinet design available

Available with optional tin-plating for enhanced corrosion resistance



FV4C

Title	Product	Туре	Position	Series	Electrical
Product #/ Letter	F	V	4	C	N
Descriptions	F=Fan Coil	V=R-410A Refrigerant	4=Multipoi:		N=208/230v-1ph-60hz

Cabinet/	Nom
Insulation	Capa
F, B	003
B=Modular	002=
F=Single piece	003=
	005=

Nominal Capacity (Btu)
003
002=18,000-36,000

24,000-42,000 30,000-48,000 006=36,000-60,000

Heating Size 000 000=no heat 005=5kW 075=7.5kW 008=8kW 010=10kW

011=11kW 015=15kW

T00=Tin plated coil protection

FV4C Variable Speed

F	Payne Fan Coils	Variable Speed	
	eatures	FV4C	
ERAN	R-410A Refrigerant Compatible	•	
REFRIGERANT	R-410A Refrigerant TXVs factory installed	•	
	Nominal Cooling Capacit (BTUH)	1.5 to 5	
	Pre-painted, 20-gauge galvanized sheet metal cabinet	•	
	Multipoise fan coil design for installation flexibility	•	
	Modular units available	003/005/006	
NS	Field-installed heater packages available	•	
DESIGN	Factory installed heater packages available		
٩	Factory supplied washable filter	•	
	Factory supplied power plug	•	
	Factory installed disconnects available		
	TDR (Time-Delay Relay) factory installed	•	
	40-va transformer	•	
	Replaceable 5-amp auto-type fuse protects control board	•	
~	High-efficiency variable speed blower motor	•	
MOTOR	High-efficiency fixed speed blower motor		
Σ	Standard-efficiency fixed speed blower motor		
Ī	Smart Diagnostics—self-configuring, easy troubleshooting		
	Connections for electronic air cleaners and humidifiers	•	
FEATURES	Cabinet funnly insulated with high density 1-inch thick (R4.2) insulation	•	
Ē	Unique cabinets meet 2% air leakage	•	
	Condensate pan constructed of engineered polymer and brass drain connections	•	
	Multiple electric entry for application flexibility (high and low voltage)	•	
	15 to 20 degree significantly warmer supply air temperatures when installed with the Payne Thermidistat™ Control	•	
SE	Enhanced humidity control when installed with Payne Thermidistat™	•	
DRMAN	Constant CFM Airflow independent of static pressure	•	
PERFORM	Easy Select Board allows simple configuration to maximize comfort, efficiency, and safe operation	•	
	Ultra low power consumption during fan only operation	•	
L	HUD acceptable for manufactured housing	•	
	Available with tin-plating for enhanced corosion resistance	10 year (coil only)	
	Limited Parts Warranty	10 year	

Air Conditioners

Heat Pumps

Evaporator Coils

Small Packaged Products

Fixed-Speed Fan Coil with R-410A Refrigerant

Factory installed R-410A Refrigerant TXV (FB4)

Pre-painted 20-gauge galvanized sheet metal cabinet

Factory supplied power plug

Unique cabinets meet 2% air leakage

High-efficiency, fixed speed blower motor (ECM)

Field-installed or factory-installed heater packages available

Multipoise fan coil design for installation flexibility

High-efficiency (ECM) motor

Available with optional tin-plating for enhanced corrosion resistance



FB4C

Nomenclature

Title	Product	Туре	Position	Series	Electrical		Cabinet/ nsulation	Nominal Capacity (Btu)	Heating Size
Product #/ Letter	F	B	4	С	N	F		036	T00
Descriptions	F=Fan Coil	B=R-410A Refrigerant	4=Multip		N=208/230v-1ph-60hz	F	=Single piece	036=36,000 042=42,000 048=48,000 060=60,000	000=no heat 005=5kW 075=7.5kW 008=8kW 010=10kW 011=11kW 015=15kW
36									T00=Tin plated coil protection

FB4C Fixed-Speed

Į	Payne Fan Coils	Fixed Speed					
	eatures	FB4C					
REFRIGERANT	R-410A Refrigerant Compatible R-410A Refrigerant TXVs factory installed	•	Air Conditioners				
Ī	Nominal Cooling Capacit (BTUH)	1.5 to 5	Vir C				
	Pre-painted, 20-gauge galvanized sheet metal cabinet	•	4				
	Multipoise fan coil design for installation flexibility	•					
	Modular units available						
S	Field-installed heater packages available	•	sdc				
DESIGN	Factory installed heater packages available	•	Heat Pumps				
	Factory supplied washable filter		a t				
	Factory supplied power plug	•	Ī				
	Factory installed disconnects available						
	TDR (Time-Delay Relay) factory installed	•					
	40-va transformer	•					
	Replaceable 5-amp auto-type fuse protects control board						
A.	High-efficiency variable speed blower motor						
MOTOR	High-efficiency multi speed blower motor	•	Coil				
	Standard-efficiency fixed speed blower motor		Fan Coils				
	Smart Diagnostics—self-configuring, easy troubleshooting						
	Connections for electronic air cleaners and humidifiers						
FEATURES	Cabinet funnly insulated with high density 1-inch thick [R4.2] insulation	•	S				
Ē	Unique cabinets meet 2% air leakage	•	Coil				
	Condensate pan constructed of engineered polymer and brass drain connections	•	Evaporator Coils				
	Multiple electric entry for application flexibility (high and low voltage)		Evap				
	15 to 20 degree significantly warmer supply air temperatures when installed with the Payne Thermidistat™ Control						
E E	Enhanced humidity control when installed with Payne Thermidistat™		Products				
DRMAN	Constant CFM Airflow independent of static pressure						
PERFORM	Easy Select Board allows simple configuration to maximize comfort, efficiency, and safe operation		Small Packaged				
	Ultra low power consumption during fan only operation		0,				
	HUD acceptable for manufactured housing						
	Available with tin-plating for enhanced corosion resistance	•					
	Limited Parts Warranty	10 year					

Direct Expansion Fan Coil with R-410A Refrigerant

Factory installed R-410A Refrigerant TXV

Factory supplied washable filter

Field-installed heater packages available

Factory installed heater packages available

Factory installed Time-Delay Relay

Pre-painted, 20-gauge galvanized sheet metal cabinet

Unique cabinets meet 2% air leakage

Multipoise fan coil design for installation flexibility

Modular cabinet design available

Available with optional tin-plating for enhanced corrosion resistance

High Efficiency (ECM) Motor



PF4M

Nomenclatur

Title Product #/ Letter	Product P	<u>Туре</u> Е	Position 4	Series M	Electrical N	Nominal Capacity 019		Heating Size 000
Descriptions	Fan Coil, 1	Multipoise wil	th R-410A		N=208/230v-1ph-60hz	018=18,0 024=24,0 030=30,0 042=42,0 048=48,0 060=60,0	000 000 000 000	000=no heat T00=Tin plate

PF4MDirect Expansion

Payne Fan Coils		Direct Expansion	
F	eatures	PF4M	
ERA	R-410A Refrigerant Compatible	•	
REFRIGERANT	R-410A Refrigerant TXVs factory installed	•	
	Nominal Cooling Capacit (BTUH)	1.5 to 5	
	Pre-painted, 20-gauge galvanized sheet metal cabinet	•	
	Multipoise fan coil design for installation flexibility	•	
	Modular units available	060	
S	Field-installed heater packages available	•	
DESIGN	Factory installed heater packages available		
	Factory supplied washable filter	•	
	Factory supplied power plug	•	
	Factory installed disconnects available		
	TDR (Time-Delay Relay) factory installed	•	
	40-va transformer	•	
	Replaceable 5-amp auto-type fuse protects control board	•	
~	High-efficiency variable speed blower motor		
MOTOR	High-efficiency fixed speed blower motor		
Σ	Standard-efficiency fixed speed blower motor	•	
	Smart Diagnostics—self-configuring, easy troubleshooting	•	П
	Connections for electronic air cleaners and humidifiers	•	
FEATURES	Cabinet funnly insulated with high density 1-inch thick (R4.2) insulation	•	
Ä	Unique cabinets meet 2% air leakage	•	
	Condensate pan constructed of engineered polymer and brass drain connections	•	
	Multiple electric entry for application flexibility (high and low voltage)	•	
	15 to 20 degree significantly warmer supply air temperatures when installed with the Payne Thermidistat™ Control		
빙	Enhanced humidity control when installed with Payne Thermidistat™		
ORMAN	Constant CFM Airflow independent of static pressure		
PERFORM	Easy Select Board allows simple configuration to maximize comfort, efficiency, and safe operation		
	HUD acceptable for manufactured housing	•	
	Available with tin-plating for enhanced corosion resistance	10 year (coil only)	
	Limited Parts Warranty	10 year	

Air Conditioners

Heat Pumps

Evaporator Coils

Small Packaged Products

Base Apartment Fan Coil with R-410A Refrigerant

Factory installed R-410A Refrigerant TXV

Factory installed Time-Delay Relay

Pre-painted, 20-gauge galvanized sheet metal cabinet

Factory supplied power plug

Field-installed heater packages available

Factory installed heater packages available

High Efficiency (ECM) Motor (019/025/031/037)

Standard Efficiency Motor (018/024/030/036)



FF1ENP

Nomenclature

Title Product #/ Letter	Product F	Туре . F	Position 1	Series E	Electrical N	
Descriptions	F=Fan Coil	 			N=208/230v-1ph-60hz	
		 	1=Upflow	E=Series	5	
		F=Through	the-Wall			

Refrigerant	Nominal Capacity (Btu)	Heating Size
Р	018	005
P=R-410A	018=18,000	005=5kW
Refrigerant	019=19,000	075=7.5kW
	024=24,000	011=kW
	025=25,000	
	030=30,000	
	031=31,000	
	036=36,000	
	037=37,000	



FFIENPBase Apartment

Payne Fan Coils		Base Apartment	
	eatures	FF1ENP	
REFRIGERANT	R-410A Refrigerant TXVs factory installed	•	
Ī	Nominal Cooling Capacit (BTUH)	1.5 to 3	
	Pre-painted, 20-gauge galvanized sheet metal cabinet	•	
	Multipoise fan coil design for installation flexibility		
	Modular units available		
SN SN	Field-installed heater packages available	•	
DESIGN	Factory supplied washable filter		
	Factory supplied power plug Factory installed disconnects available	•	
	TDR (Time-Delay Relay) factory installed	·	
	40-va transformer		
	Replaceable 5-amp auto-type fuse protects control board	•	
	The control of the co		
MOTOR	High-efficiency variable speed blower motor High-efficiency multi speed blower motor	19, 25, 31, 37	
.O W	Standard-efficiency fixed speed blower motor	18, 24, 30, 36	
	Smart Diagnostics—self-configuring, easy troubleshooting	10, 24, 00, 00	
	Connections for electronic air cleaners and humidifiers		
FEATURES	Cabinet funnly insulated with high density 1-inch thick (R4.2) insulation		
FE	Unique cabinets meet 2% air leakage		
	Condensate pan constructed of engineered polymer and brass drain connections		
L	Multiple electric entry for application flexibility (high and low voltage)		
	15 to 20 degree significantly warmer supply air temperatures than conventional heat pump systems when installed with the Carrier Infinity TM Control		
	15 to 20 degree significantly warmer supply air temperatures when installed with the Payne Thermidistat™ Control		
NCE	Enhanced humidity control when installed with Payne Thermidistat $^{\text{TM}}$		
PERFORMANCE	Constant CFM Airflow independent of static pressure		
PEI	Easy Select Board allows simple configuration to maximize comfort, efficiency, and safe operation		
	Ultra low power consumption during fan only operation		
	HUD acceptable for manufactured housing	•	
	Available with tin-plating for enhanced corosion resistance	NA	
	Limited Parts Warranty	5 year	

Shipping Weight (lbs.)

122

122

146

157

157

185

201

175

Physical Da	ta (FV40

		Nominal Cooling				Shippir
Catalog Ordering Number	Field Installed Heat (kW)	Capacity (Btuh)	Height (In.	.) Width (In.)	Depth (In.)	Weight (II
FV4CNB003	5, 8, 9, 10, 15, 18, 20	24,000 to 42,000	53-7/16	21-1/8	19-1/4	150
FV4CNB005	5, 8, 9, 10, 15, 18, 20, 24, 30	30,000 to 48,000	53-7/16	21-1/8	19-1/4	172
FV4CNB006	8, 9, 10, 15, 18, 20, 24, 30	36,000 to 60,000	59-3/16	24-11/16	22-3/4	207
FV4CNF002	5, 8, 9, 10, 15, 20	18,000 to 36,000	42-11/16	17-5/8	15-3/4	135
FV4CNF003	5, 8, 9, 10, 15, 18, 20	24,000 to 42,000	53-7/16	21-1/8	19-1/4	150
FV4CNF005	5, 8, 9, 10, 15, 18, 20, 24, 30	30,000 to 48,000	53-7/16	21-1/8	19-1/4	172

6th digit: B=Modular cabinet and 1-in. thick insulation, F=Super thick 1-in. insulation with 1-piece cabinet 10th digit: 0=Standard, T=Tin plated

Physical Data (PF4M)

Catalog Ordering Number Field Installed Heat (kW) Capacity (Btuh)
Catalog Order ind Nutriber Field installed field (KW) Cabacity ibidii
PF4MNB019 3, 5, 8, 10 18,000
PF4MNB025 3, 5, 8, 10, 15 24,000
PF4MNB031 5, 8, 10, 15, 20 30,000
PF4MNB037 5, 8, 9, 10, 15, 20 36,000
PF4MNB045 5, 8, 9, 10, 15, 18, 20 42,000
PF4MNB049 5, 8, 9, 10, 15, 18, 20, 24, 30 48,000
PF4MNB061 5, 8, 9, 10, 15, 18, 20, 24, 30 60,000

6th digit: B=Modular cabinet, F=Single piece cabinet, D=Disconnect 10th digit: O=Standard, T=Tin plated

Physical Data (FB4C)

Catalog Ordering Number	Field Installed Heat (kW)	Nominal Cooling Capacity (Btuh)
FB4CNF018000 (T00)	5, 8,	18,000
FB4CNF024000 (T00)	5 ,10	24,000
FB4CNF030000 (T00)	8,10	30,000
FB4CNF036000 (T00)	10, 15	36,000
FB4CNF042000 (T00)	10, 15	42,000
FB4CNF048000 (T00)	10, 15	48,000
FB4CNF060000 (T00)	15	60,000

10th digit: O=Standard, T=Tin plated

Physical Data (PF4M)

Catalog Ordering Number	Field Installed Heat (kW)	Nominal Cooling Capacity (Btuh)
PF4MNA018	3, 5, 8, 10	18,000
PF4MNA024	3, 5, 8, 10, 15	24,000
PF4MNA030	5, 8, 10, 15, 20	30,000
PF4MNA036	5, 8, 9, 10, 15, 20	36,000
PF4MNA042	5, 8, 9, 10, 15, 18, 20	42,000
PF4MNA048	5, 8, 9, 10, 15, 18, 20, 24, 30	48,000
PF4MNA060	5, 8, 9, 10, 15, 18, 20, 24, 30	60,000

Physical Data (FFIENP)

Catalog Ordering Number	Field Installed Heat (kW)	Nominal Cooling Capacity (Btuh)
FF1ENP0180	5, 7.5, 11	18,000
FF1ENP0240	5, 7.5, 11	24,000
FF1ENP0300	5, 7.5, 11	30,000
FF1ENP0360	5, 7.5, 11	36,000
FF1ENP0190	7.5, 11	18,000
FF1ENP0250	5, 7.5, 11	24,000
FF1ENP0310	5, 7.5, 11	30,000
FF1ENP0370	5, 7.5, 11	36,000

6th digit: E=R-22, P=R-410A

Height (In.)	Width (In.)	Depth (In.)	Shipping Weight (lbs.)
42-11/16	14-15/16	22-1/16	112
42-11/16	14-15/16	22-1/16	112
49-5/8	17-5/8	22-1/16	122
49-5/8	17-5/8	22-1/16	122
49-5/8	21-1/8	22-1/16	157
49-5/8	21-1/8	22-1/16	157

Depth (In.)

15-3/4

15-3/4

15-3/4

15-3/4

15-3/4

15-3/4

15-3/4

22-1/16

Width (In.)

17-5/8

17-5/8

21-1/8

21-1/8

21-1/8

24-11/16

24-11/16

21-1/8

53-7/16

Height (In.)	Width (In.)	Depth (In.)	Shipping Weight (lbs.)
42-11/16	14-5/16	22-1/16	100
47-11/16	17-5/8	22-1/16	117
47-11/16	17-5/8	22-1/16	117
53-7/16	21-1/8	22-1/16	144
49-5/8	21-1/8	22-1/16	150
53-7/16	21-1/8	22-1/16	170
59-3/16	24-11/16	22-1/16	198

Height (In.)	Width (In.)	Depth (In.)	Shipping Weight (lbs.)
38-1/16	22-1/8	15-3/16	80
38-1/16	22-1/8	15-3/16	84
38-1/16	22-1/8	15-3/16	84
43-3/16	22-1/8	18-3/8	100
38-1/16	22-1/8	15-3/16	90
38-1/16	22-1/8	15-3/16	92
43-3/16	22-1/8	18-3/8	105
43-3/16	22-1/8	18-3/8	110

Evaporator Coils



Upflow/Downflow Vertical N-Coil Transition Upflow/Downflow N-Coil Horizontal N-coil	
Upflow/Downflow Uncased Vertical N-Coil	
Upflow/Downflow Uncased A-Coil	
Slab Coil Cased Horizontal	

Payne Evaporator Coils

Upflow/Downflow Vertical N-Coil—CNPV(P,T) Horizontal N-Coil—(CNPHP)

Factory installed TXVs (R-410A or R-22 refrigerant)

Teflon ring for preventing refrigerant leaks

Plastic-sloped drain pans (with brass inserts)

Unique design for smallest coil in the industry

Corrosion-resistant, all aluminum coil design



CNPVP CNPVT



Nomenclature

Title	Component	Coil Type	Refrigerant Type	Coil Configuration	Cabinet Finish	Unit Capacity	Cabinet Width	Revision Level	Tubing Design	Variations
Product #/ Letter	С	Ń.	P	V	P, T	18	14	А	C	А
	С	N	Р	Н	Р	24	17	Α	С	А
Descriptions	C=Coil	N=N-Coil	P=R-410A -T R=R-22 -TXV	H=Horizontal	P=Painted U=Uncased T=Transition	18=1.5 ton 24=2 ton 30=2.5 ton 31=2.5 ton 36=3 ton 42=3.5 ton 48=4 ton 60=5 ton	14=14" wide cabinet 17=17" wide cabinet 21=21" wide cabinet 24=24" wide cabinet	A=Revision	C=Copper Coil T=Tin Plated Coil L=Aluminum	A=Basic





CNPVPCased Vertical N-Coil

CNPVT

Cased Transition N-Coil

CNPHP

Cased Horizontal N-Coil

P	ayne Evaporator Coils	Cased Vertical N-Coil	Cased Transition Coil	Cased Horizontal N-Coil
Fe	eatures	CNPVP	CNPVT	CNPHP
Ē				
ZAN	R-410A Refrigerant Compatible	•	•	•
<u> </u>	R-22 Refrigerant Compatible	•	•	•
REFRIGERANT	Factory Installed TXVs	•	•	•
	Both upflow and downflow apps., one SKU	•	•	
DESIGN	Nominal Cooling Capacity (tons)	1.5 to 5	1.5 to 5	1.5 to 5
	Painted cabinets to match furnace color	•	•	•
	Sturdy 22-gauge cabinets	•	•	•
	High-tech fin technology	•	•	•
	Plastic - sloped - drain pans w/ brass inserts	•	•	•
	Uncased coil designed to fit the industry furnaces			
L	Split delta plates			
	Foil faced insulation	•	•	•
S	Corrosion resistant all aluminum coil	•	•	•
2	Cabinets meet 2% air leakage			
FEATURES	One size screw, same as on furnaces			
-	Dedicated line for horizontal application flexibility			•
IΤΥ				
RANTY	Limited Parts Warranty (with registration)	10 year	10 year	10 year

ysical Data (CNPVP)

Model (CNPVPXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
1814ACA / 1814ATA / 1814ALA	1.5	12-5/8	14-3/16	21	36/38
1917ACA / 1917ATA / 1917ALA	1.5	17	17-1/2	21	36/39
2414ACA / 2414ATA / 2414ALA	2	14-5/8	14-3/16	21	39.5 / 40
2417ACA / 2417ATA / 2417ALA	2	14-5/8	17-1/2	21	39.5 / 42
3014ACA / 3014ATA / 3014ALA	2.5	17	14-3/16	21	46.5 / 50
3017ACA / 3017ATA / 3017ALA	2.5	17	17-1/2	21	47 / 49.5
3117ACA / 3117ATA / 3117ALA	2.5	23-1/4	17-1/2	21	46 / 50
3617ACA / 3617ATA / 3617ALA	3	17	17-1/2	21	48.5 / 51
3717ACA / 3717ATA / 3717ALA	3	27-3/16	17-1/2	21	45 / 52
3621ACA / 3621ATA / 3621ALA	3	17	21	21	48 / 51
4217ACA / 4217ATA / 4217ALA	3.5	21-1/8	17-1/2	21	52 / 55
4221ACA / 4221ATA / 4221ALA	3.5	19	21	21	56.5 / 59.5
4324ACA / 4324ATA / 4324ALA	3.5	27	24-1/2	21	58 / 60
4821ACA / 4821ATA / 4821ALA	4	22-1/16	21	21	65.5 / 68
4824ACA / 4824ATA / 4824ALA	4	22-1/16	24-1/2	21	62 / 65
6024ACA / 6024ATA / 6024ALA	5	26-7/8	24-1/2	21	78 / 80.5
6124ACA / 6124ATA / 6124ALA	5	32-7/16	24-1/2	21	84/87

	l Data I		

lons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
2	17-1/2	19	20-3/4	39 / 41.5
2.5	17-1/2	22-1/16	20-3/4	50 / 53
2.5	17-1/2	27-1/2	20-3/4	44
3	17-1/2	22-1/16	20-3/4	49.5 / 52.5
3.5	21	22-1/16	20-3/4	59 / 62
3.5	21-1/16	30-1/8	20-3/4	59
4	21	28-1/16	20-3/4	71 / 73.5
5	24-1/2	29	20-3/4	81 / 84
5	24-9/16	29-1/16	20-3/4	88
	2 2.5 2.5 3 3.5 3.5 4 5	2 17-1/2 2.5 17-1/2 2.5 17-1/2 3 17-1/2 3.5 21 3.5 21-1/16 4 21 5 24-1/2	2 17-1/2 19 2.5 17-1/2 22-1/16 2.5 17-1/2 27-1/2 3 17-1/2 22-1/16 3.5 21 22-1/16 3.5 21-1/16 30-1/8 4 21 28-1/16 5 24-1/2 29	2 17-1/2 19 20-3/4 2.5 17-1/2 22-1/16 20-3/4 2.5 17-1/2 27-1/2 20-3/4 3 17-1/2 22-1/16 20-3/4 3.5 21 22-1/16 20-3/4 3.5 21-1/16 30-1/8 20-3/4 4 21 28-1/16 20-3/4 5 24-1/2 29 20-3/4

Physical Data (CNPVT)

Model (CNPVPXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
3617ATA / 3617ALA	3	19-13/16	17-1/2	21	48.5 / 51
4221ATA / 4221ALA	3.5	21-13/16	21	21	62 / 64.5
4821ATA / 4821ALA	4	24-7/8	21	21	71 / 73.5
6024ATA / 6024ALA	5	29-1/8	24-1/2	21	78 / 80.5

Payne Evaporator Coils

Upflow/Downflow Uncased N-Coil

Factory installed TXVs (R-410A or R-22 refrigerant)

Teflon ring for preventing refrigerant leaks

Plastic-sloped drain pans (with brass inserts)

Unique design for smallest coil in the industry

Dedicated line for uncased applications

Corrosion-resistant, all aluminum coil design



CNPVU CNRVU

Nomenclature										
Title	Component	Coil Type	Refrigerant Type	Coil Configuration	Cabinet Finish	Unit Capacity	Cabinet Width	Revision Level	Tubing Design	Variations
Product #/ Letter	С	Ň.	P	V	P	18	14	Α	С	A
	С	N	R	V	Р	18	17	Α	С	Α
Descriptions	C=Coil		P=R-410A -T R=R-22 -TXV	XV	P=Painted U=Uncased T=Transition	18=1.5 ton 24=2 ton 30=2.5 ton 36=3 ton 42=3.5 ton 48=4 ton 60=5 ton	14=14" wide cabinet 17=17" wide cabinet 21=21" wide cabinet 24=24" wide cabinet	A=Revision	C=Copper Coil T=Tin Plated Coil L=Aluminum Coil	A=Basic



CNPVU Unased N-Coil

CNRVU Uncased N-Coil

Payne	Evaporator	Coils
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Features

REFRIGERANT

Uncased N-Coil

(CN	I۲۱	/U/	CN	IKVU	

R-410A Refrigerant Compatible	
R-22 Refrigerant Compatible	

Factory Installed TXVs (R-410A Refrigerant or R-22)

Refrigerant line connections out top of unit

Horizontal, upflow, downflow apps., one SKU Both upflow and downflow apps., one SKU

Nominal Cooling Capacity (tons) Completely new A-coil design

1.5 to 5

Painted cabinets to match furnace color Sturdy 22-gauge cabinets

High-tech fin technology

Fiberglass Reinforced Thermoset Polyester (FRTP - sloped - drain pan/pans

Plastic - sloped - drain pans w/ brass inserts Uncased coil designed to fit the

industry furnaces

Split delta plates

Foil faced insulation

UV light knockouts in cabinets from the factory

Corrosion resistant all aluminum coil

Cabinets meet 2% air leakage

Non-sweat cabinets at extreme conditions

One size screw, same as on furnaces

Dedicated line for horizontal application flexibility

Limited Parts Warranty

Easy slide out coils for inspection/replacement

Easy inspection and coil cleaning from front of unit

Limited Parts Warranty (with registration)

10 year

5 year — R-22

1814ACA / 1814ATA / 1814ALA 1.5 13 12-1/2 19-3/8 17 2414ACA / 2414ATA / 2414ALA 2 15 12-9/16 19-3/8 21 2417ACA / 2417ATA / 2417ALA 2 15 15-15/16 19-3/8 23 3014ACA / 3014ATA / 3014ALA 2.5 16-9/16 12-5/8 19-3/8 23 3017ACA / 3017ATA / 3017ALA 2.5 16-9/16 15-15/16 19-3/8 25 3617ACA / 3617ATA / 3617ALA 3 16-13/16 15-15/16 19-3/8 26 3621ACA / 3621ATA / 3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4824ATA / 4824ALA 4 20-7/16 19-5/16 19-3/8 33 4024ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35 4024ATA / 4824ATA / 4824ALA 5 20-7/16 22-7/8 19-3/8 35 4024ATA / 4824ATA / 4824ATA / 4824ATA / 4824ATA 4 20-7/16 22-7/8 19-3/8 35 4024ATA / 4824ATA	Model (CNPVUXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
2417ACA / 2417ATA / 2417ALA 2 15 15-15/16 19-3/8 23 3014ACA / 3014ATA / 3014ALA 2.5 16-9/16 12-5/8 19-3/8 23 3017ACA / 3017ATA / 3017ALA 2.5 16-9/16 15-15/16 19-3/8 25 3617ACA / 3617ATA / 3617ALA 3 16-13/16 15-15/16 19-3/8 26 3621ACA / 3621ATA / 3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	1814ACA / 1814ATA / 1814ALA	1.5	13	12-1/2	19-3/8	17
3014ACA / 3014ATA / 3014ALA 2.5 16-9/16 12-5/8 19-3/8 23 3017ACA / 3017ATA / 3017ALA 2.5 16-9/16 15-15/16 19-3/8 25 3617ACA / 3617ATA / 3617ALA 3 16-13/16 15-15/16 19-3/8 26 3621ACA / 3621ATA / 3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	2414ACA / 2414ATA / 2414ALA	2	15	12-9/16	19-3/8	21
3017ACA/3017ATA/3017ALA 2.5 16-9/16 15-15/16 19-3/8 25 3617ACA/3617ATA/3617ALA 3 16-13/16 15-15/16 19-3/8 26 3621ACA/3621ATA/3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA/4221ATA/4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA/4821ATA/4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA/4824ATA/4824ALA 4 20-7/16 22-7/8 19-3/8 35	2417ACA / 2417ATA / 2417ALA	2	15	15-15/16	19-3/8	23
3617ACA / 3617ATA / 3617ALA 3 16-13/16 15-15/16 19-3/8 26 3621ACA / 3621ATA / 3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	3014ACA/3014ATA/3014ALA	2.5	16-9/16	12-5/8	19-3/8	23
3621ACA / 3621ATA / 3621ALA 3 16-13/16 19-5/16 19-3/8 28 4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	3017ACA / 3017ATA / 3017ALA	2.5	16-9/16	15-15/16	19-3/8	25
4221ACA / 4221ATA / 4221ALA 3.5 18-9/16 19-5/16 19-3/8 29 4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	3617ACA / 3617ATA / 3617ALA	3	16-13/16	15-15/16	19-3/8	26
4821ACA / 4821ATA / 4821ALA 4 20-7/16 19-5/16 19-3/8 33 4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	3621ACA / 3621ATA / 3621ALA	3	16-13/16	19-5/16	19-3/8	28
4824ACA / 4824ATA / 4824ALA 4 20-7/16 22-7/8 19-3/8 35	4221ACA / 4221ATA / 4221ALA	3.5	18-9/16	19-5/16	19-3/8	29
	4821ACA / 4821ATA / 4821ALA	4	20-7/16	19-5/16	19-3/8	33
602/ΔCΔ / 602/ΔTΔ / 602/ΔLΔ 5 20-7/8 22-7/8 19-3/8 35	4824ACA / 4824ATA / 4824ALA	4	20-7/16	22-7/8	19-3/8	35
00247 107 17 00247 127 1 0 20 770 22 770 17 070	6024ACA / 6024ATA / 6024ALA	5	20-7/8	22-7/8	19-3/8	35

Model (CNPVUXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
1814ATA / 1814ALA	1.5	13	12-1/2	19-3/8	17
2414ATA / 2414ALA	2	15	12-9/16	19-3/8	21
2417ATA / 2417ALA	2	13	16-1/4	19-3/8	25
3014ATA / 3014ALA	2.5	16-9/16	12-5/8	19-3/8	23
3017ATA / 3017ALA	2.5	16-13/16	16-1/4	19-3/8	26
3617ATA / 3617ALA	3	16-13/16	15-15/16	19-3/8	26
3621ATA / 3621ALA	3	16-5/8	19-5/8	19-3/8	29
4221ATA / 4221ALA	3.5	18-9/16	19-5/16	19-3/8	29
4821ATA / 4821ALA	4	20-7/16	19-5/16	19-3/8	33
4824ATA / 4824ALA	4	20-1/4	23-1/8	19-3/8	37
6024ATA / 6024ALA	5	20-7/8	22-7/8	19-3/8	35

Payne Evaporator Coils

Upflow/Downflow Uncased A-Coil

Factory installed TXVs (R-410A or R-22 refrigerant)

Easy slide out coils for inspection/replacement

Split delta plates for easy service

Uncased coil design

Corrosion resistant, all aluminum coil design



CAPVU

Nomenclature										
Title	Component	Coil Type	Refrigerant Type	Coil Configuration	Cabinet Finish	Unit Capacity	Cabinet Width	Revision Level	Tubing Design	Variations
Product #/ Letter	С	A	P	V	U	18	14	А	С	А
Descriptions	C=Coil	A=A-Coil	P=R-410A -T R=R-22 -TXV	XV	U=Uncased P=Painted	18=1.5 ton 24=2 ton 30=2.5 ton 36=3 ton 42=3.5 ton 48=4 ton 60=5 ton	14=14" wide cabinet 17=17" wide cabinet 21=21" wide cabinet 24=24" wide cabinet	A=Revision	C=Copper Coil L=Aluminum	A=Basic



CAPVUUncased Vertical A-Coil

P	ayne Evaporator Coils	Uncased Vertical A-Coil
Features		CAPVU
F	D /404 D (*) 10 (*)	
ER/	R-410A Refrigerant Compatible	•
RIG	R-22 Refrigerant Compatible	
- REFRIGERANT	Factory Installed TXVs	
	Both upflow and downflow apps., one SKU	•
	Nominal Cooling Capacity (tons)	1.5 to 5
	A-coil design	•
_	High-tech fin technology	•
DESIGN	Fiberglass Reinforced Thermoset Polyester (FRTP - sloped - drain pan/pans	•
	Plastic - sloped - drain pans w/ brass inserts	
	Uncased coil designed to fit the industry furnaces	•
	Split delta plates	·
	Foil faced insulation	
	Cabinets meet 2% air leakage	
	Non-sweat cabinets at extreme conditions	
ES	One size screw, same as on furnaces	
FEATURES	Dedicated line for horizontal application flexibility	
Ŀ	Easy slide out coils for inspection/replacement	
	Easy inspection and coil cleaning from front of unit	•
	Corrosion resistant all aluminum coil	•
Y		
RRANTY	Limited Parts Warranty (with registration)	10 year

Physical Data (CAPVU)

Model (CNPVPXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
1814ACA / 1814ALA	1.5	13-5/8	13	20-1/8	22
2414ACA / 2414ALA	2	17-3/4	13	20-1/8	26.5
2417ACA / 2417ALA	2	17-1/4	16-5/16	20-1/8	29
3014ACA / 3014ALA	2.5	21-7/8	13	20-1/8	33
3017ACA / 3017ALA	2.5	21-7/16	16-5/16	20-1/8	33
3614ACA / 3614ALA	3	23-15/16	13	20-1/8	32
3617ACA / 3617ALA	3	23-9/16	16-5/16	20-1/8	36.5
3624ACA / 3621ALA	3	23	19-13/16	20-1/8	37.5
4221ACA / 4221ALA	3.5	25-1/16	19-13/16	20-1/8	40
4224ACA / 4224ALA	3.5	24-1/2	23-5/16	20-1/8	43.5
4817ACA / 4817ALA	4	29-7/8	16-5/16	20-1/8	52
4821ACA / 4821ALA	4	25-5/16	19-13/16	20-1/8	49
4824ACA / 4824ALA	4	24-13/16	23-5/16	20-1/8	50.5
3021ACA / 6021ALA	5	31-1/2	16-5/16	20-1/8	59
6024ACA / 6024ALA	5	31-1/16	23-5/16	20-1/8	57

Payne Evaporator Coils

Horizontal Slab Coil

Factory installed TXVs (R-410A refrigerant)

Fiberglass Reinforced Thermoset Polyester (FRTP) sloped drain pans

UV light holes in cabinets — from the factory

Easy slide out coils for inspection/replacement

Sturdy 22-gauge cabinets

Refrigerant line connections out of top of unit

Corrosion-resistant, all aluminum coil design



CSPHP

Cabinet Width Title Component Coil Type Refrigerant Coil Cabinet Configuration Finish Unit Capacity Revision Tubing Design Variations Level Product #/ Letter 24=2 ton 30=2.5 ton 36=3 ton 42=3.5 ton 48=4 ton 60=5 ton H=Horizontal P=Painted 12=12" wide cabinet Descriptions A=Revision L=Aluminum P=R-410A -TXV

67



CSPHPCased Slab Coil

<u>P</u>	ayne Evaporator Coils	Horizontal Slab Coil
Fe	eatures	CSPHP
F	D (40) D (1)	
ERA	R-410A Refrigerant Compatible	•
RG	Factory Installed TXVs Refrigerant line connections out top of unit	
REFRIGERANT	reingerant tine connections out top of unit	·
Ī	Horizontal, upflow, downflow apps., one SKU	
	Both upflow and downflow apps., one SKU	
	Nominal Cooling Capacity (tons)	1.5 to 5
	Completely new A-coil design	110 00 0
	Painted cabinets to match furnace color	•
_	Sturdy 22-gauge cabinets	
DESIGN	High-tech fin technology	•
8	Fiberglass Reinforced Thermoset Polyester (FRTP - sloped - drain pan/pans	•
	Plastic - sloped - drain pans w/ brass inserts	
	Uncased coil designed to fit the industry furnaces	
	Split delta plates	
L		
	Foil faced insulation	•
	UV light knockouts in cabinets from the factory	•
	Tin plating for enhanced corrosion resistance	•
	Cabinets meet 2% air leakage	•
	Non-sweat cabinets at extreme conditions	•
ES	One size screw, same as on furnaces	•
FEATURES	Dedicated line for horizontal application flexibility	•
-	Dedicated line for manufactured housing applications	
	Easy slide out coils for inspection/replacement	•
	Easy inspection and coil cleaning from front of unit	•
	Corrosion resistant all aluminum coil	•
WARRANTY		
RRA	Limited Parts Warranty (with registration)	10 year
MA		

Physical Data (CSPHP)

Model (CNPVPXXXX)	Tons	Height (in)	Width (in)	Depth (in)	Shipping Weight (lbs)
2412ALA	2	28-3/8	11-3/4	24-1/16	55
3012ALA	2.5	28-3/8	11-3/4	24-1/16	56
3612ALA	3	28-3/8	11-3/4	28-13/16	61
4212ALA	3.5	28-3/8	11-3/4	28-13/16	63
4812ALA	4	30-3/8	11-3/4	28-13/16	65
6012ALA	5	30-3/8	11-3/4	38-15/16	82.5

Small Packaged Products

Small Packaged Products









Heat Pumps





Gas Heat / Electric Air Conditioner



Up to 13.5 SEER / 11.2 EER

Available in 24-60K sized units

10-year parts limited warranty to original owner upon timely registration, otherwise 5 years*

*For owner occupied residential applications

Contoured top, base rails, individual access panels

Rust-proof base with integrated drain pan

Levels as low as 75 dBA

System supports standard thermostat controls

R-410A Refrigerant

Built-in Thermostatic Expansion Valve (TXV)

Scroll compressor

Direct-drive PSC (Permanent Split Capacitor) condenser fan motors

Filter drier

High and low pressure switches



DESIGN

Title	Model	Voltage	NOx	Cooling Capacity	Variations	Minor Series	Optio
Product #/ Letter	PA3G	N	А	024	000	А	TP
Descriptions	Single Packaged	N-208/230-1-60	Low NOx Indicator	024-2 tons	Heat Input size		TP-Base
	Air Conditioner	P-208/230-3-60	A-Standard	030-2.5 tons	N/A		with tin-
	System	E-460-3-60	N-Low NOx	036-3 tons		ir	ndoor coil
				042-3.5 tons			
				048-4 tons			
70				060-5 tons			

70

il hairpins

Up to 13.5 SEER / 11.5 EER

Available in 24-60K sized units

10-year parts limited warranty to original owner upon timely registration, otherwise 5 years*

*For owner occupied residential applications

Rust-proof base with integrated drain pan

Louvered grill

DESIGN

Levels as low as 72 dBA

System supports standard thermostat controls

R-410A Refrigerant

Direct-drive PSC (Permanent Split Capacitor) condenser fan motors

Scroll compressor

Filter drier

High pressure switch



Series

TP-Tin Plated

PA3Z

Title

Litle	Model	Voltage	NUx	Cooling Capacity	Variations
Product #/ Letter	PA3Z	N	А	024	000
Descriptions	Single Packaged	N-208/230-1-60	Low NOx Indicator	024-2 tons	Heat Input size
	Air Conditioner		A-Standard	030-2.5 tons	N/A
	System		N-Low NOx (N/A)	036-3 tons	
				042-3.5 tons	
				048-4 tons	
72				060-5 tons	

Up to 13.5 SEER / 11.5 EER / 7.8 HSPF

Available in single and three phase 24-60K sized units

10-year parts limited warranty to original owner upon timely registration, otherwise 5 years*

*For owner occupied residential applications

Contoured top, base rails, individual access panels

Rust-proof base with integrated drain pan

Levels as low as 74 dBA

System supports standard thermostat controls

R-410A Refrigerant

Built-in Thermostatic Expansion Valve (TXV)

Scroll compressor

Direct-drive PSC (Permanent Split Capacitor) condenser fan motors

Filter drier

High pressure and loss of charge switch



PH3G

Nomenclature

DESIGN

Title	Model	Voltage	NOx	
Product #/ Letter	PH3G	N	А	
Descriptions	Single Packaged Heat Pump System	N-208/230-1-60 P-208/230-3-60	Low NOx Indicator (N/A)	

Cooling Capacity	Heat Pump Size (Btuh)	Series	Options	
0 24	040	А	TP	
024-2 tons	040-40,000		TP-Base unit	
030-2.5 tons	060-60,000		with tin plated	
036-3 tons	090-90,000		indoor coil hairpins	
042-3.5 tons	115-115,000			
048-4 tons	130-130,000			

Up to 13.5 SEER / 11.5 EER / 7.7 HSPF

Available in single-phase 24-60K units

10-year parts limited warranty to original owner upon timely registration, otherwise 5 years*

*For owner occupied residential applications

Rust-proof base with integrated drain pan

Louvered grille

DESIGN

Levels as low as 73 dBA

System supports standard thermostat controls

R-410A Refrigerant

Scroll compressor

Direct-drive PSC (Permanent Split Capacitor) condenser fan motors

Filter drier

High pressure and loss of charge switch



PH3Z

Nomenclature

Title	Model	Voltage	NOx	
Product #/ Letter	PH3Z	N	А	
Descriptions	Single Packaged Heat Pump System	N-208/230-1-60	Low NOx Indicator A-Standard N-Low NOx (N/A)	

Cooling Capacity	Heat Pump Size (Btuh)	Series	Options
024	000	А	TP
024-2 tons	N/A		TP-Tin Plated
030-2.5 tons			
036-3 tons			
042-3.5 tons			
048-4 tons			
060-5 tons			

Sing Con Furn R-4

Single-Packaged Air Conditioner and Gas Furnace System with R-410A Refrigerant

Up to 13.5 SEER / 11.2 EER / 80.4% AFUE

Available in single and three phase 24-60K sized units

10-year parts limited warranty to original owner upon timely registration, otherwise 5 years*

20-year parts limited warranty on aluminized heat exchanger upon timely registration, otherwise 5 years*

*For owner occupied residential applications

Contoured top, base rails, individual access panels

Rust-proof base with integrated drain pan

Levels as low as 75 dBA

DESIGN

SOUND

CONTROLS

System supports standard thermostat controls

R-410A Refrigerant

Turbo-tubular™ heat exchangers

Scroll compressor

Built-in Thermostatic Expansion Valve (TXV)

Direct-drive PSC (Permanent Split Capacitor) condenser fan motors

Filter drier

High pressure and loss of charge switch



PY3G

Nomenclature				
Title	Model	Voltage	NOx	
Product #/ Letter	PY3G	N	А	
Descriptions	Single Packaged Air Conditioner and Gas Furnace System	N-208/230-1-60 P-208/230-3-60 E-460-3-60	Low NOx Indicator A-Standard N-Low NOx	

Cooling Capacity	Heat Pump Size (Btuh)	Series	Options
024	060	А	TP
024-2 tons	040-40,000		TP-Base unit with
030-2.5 tons	060-60,000		tin plated indoor
036-3 tons	090-90,000		coil hairpins
042-3.5 tons	115-115,000		
048-4 tons	130-130,000		
060-5 tons			





PA3G PA3Z

atures	PA3G	PA3Z
Efficiency (SEER) (nominal)	up to 13.5	up to 13.5
Efficiency (EER)	up to 11.2	up to 11.5
Energy Star® Compliant		
R-410A Refrigerant	•	•
Nominal Cooling Capacity (tons)	2 to 5	2 to 5
Protective Components:	2.00	2 10 0
Contoured top	•	
Rust-proof base	•	•
Integrated drain pan	•	•
Metal duct covers	•	
Duct configuration	Convertible	Horizontal only
Louvered grille		•
Sound Reduction Components:		
PSC condenser fan motor	•	•
Forward-swept condenser fan blade		•
Operating Sound Level (dBA)	as low as 75	as low as 72
In-Home Control	Thermostat	Thermostat
Compressor	Scroll	Scroll
Thermostatic Expansion Valve (TXV)	•	•
High and low pressure switches	•	
Internal pressure relief valve	•	•
Compressor start kit	•	•
Crankcase heater	•	•
Economizer	•	
Electric heaters	•	•
Filter rack	•	
Flat roof curbs	•	
Low ambient kit	•	•
Manual outside air damper	•	
Square-to-round duct transition kit	•	
Time Guard II	•	•
Limited Parts Warranty on copper coil [upon registration]*	10 year	10 year
Limited Parts Warranty on tin-plated coil (upon registration)*	10 year	10 year
Limited Parts Warranty (upon registration)*	10 year	10 year

^{*}for owner occupied, residential applications

Physical Data (PA3G/PA3Z)

Unit Size	Width (In.)	Depth (In.)	Height (In.)	Unit Weight (lbs.)
024	48-3/16 / 51	32-5/8 / 32	40-1/8 / 30-1/8	302 / 237
030	48-3/16 / 51	32-5/8 / 32	42-1/8 / 30-1/8	307 / 249
036	48-3/16 / 51	32-5/8 / 32	46-1/8 / 30-1/8	324 / 279
042	48-3/16 / 51	44-1/8 / 32	39-15/16 / 34-1/8	382 / 303
048	48-3/16 / 51	44-1/8 / 32	41-15/16 / 34-1/8	415 / 305
060	48-3/16 / 51	44-1/8 / 32	41-15/16 / 42-1/8	434 / 352

10 year

10 year





PH3G PH3Z

Pavne	Packaged	Heat	Pumps
i uyiic	i ackagea	ricut	i uiiips

Fe	eatures	PH3G	PH3Z
	Efficiency (SEER) (nominal)	up to 13.5	up to 13.5
NCE.	Efficiency (EER)	up to 11.5	up to 11.5
Ψ	Efficiency (HSPF)	up to 7.8	up to 7.7
FOR	Energy Star® Compliant	·	·
PERFORMANCE	R-410A Refrigerant	•	•
Ĺ	Nominal Cooling Capacity (tons)	2 to 5	2 to 5
	Protective Components:		
	Contoured top	•	•
DESIGN	Rust-proof base	•	•
DES	Integrated drain pan Metal duct covers	•	•
	Duct configuration	Convertible	Horizontal only
L	Louvered grille		•
	Sound Reduction Components:		
9	PSC condenser fan motor	•	•
SOUND	Forward-swept condenser fan blade		•
S	0 (11 1/104)		. 50
	Operating Sound Level (dBA)	as low as 74	as low as 73
TECHNOLOGY CONTROLS	In-Home Control	Thermostat	Thermostat
Ţ	Compressor	Scroll	Scroll
9	Thermostatic Expansion Valve (TXV)	•	•
N N	High pressure switch	•	•
SH	Loss of charge switch	•	•
-	Internal pressure relief valve	•	•
L			
	Compressor start kit	•	•
1	Crankcase heater	•	•
	Economizer	•	
IES	Electric heaters	•	•
ACCESSORIES	Filter rack	•	
CES	Flat roof curbs	•	
ACC	Low ambient kit	•	•
	Manual outside air damper	•	
	Square-to-round duct transition kit	•	

	Crankcase heater	•	•
	Economizer	•	
ES	Electric heaters	•	•
SOR	Filter rack	•	
CCES	Flat roof curbs	•	
AC	Low ambient kit	•	•
	Manual outside air damper	•	
	Square-to-round duct transition kit	•	
L r.	Time Guard II		•
Ł	Limited Parts Warranty on copper coil	10 year	10 year

10 year

10 year

Limited Parts Warranty on tin-plated coil (upon registration)*

Physical Data	(PH3G/PH3Z)
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i Hysicat i				
Unit Size	Width (In.)	Depth (In.)	Height (In.)	Unit Weight (lbs.)
024	48-3/16 / 51	32-5/8 / 32	39.02 / 30-1/8	302 / 263
030	48-3/16 / 51	32-5/8 / 32	39.02 / 30-1/8	307 / 264
036	48-3/16 / 51	32-5/8 / 32	41.02 / 34-1/8	324 / 285
042	48-3/16 / 51	44-1/8 / 32	42.98 / 42-1/8	382 / 339
048	48-3/16 / 51	44-1/8 / 32	42.98 / 42-1/8	415 / 358
060	48-3/16 / 51	44-1/8 / 32	46.98 / 42-1/8	434 / 371

Limited Parts Warranty (upon registration)* *for owner occupied, residential applications



PY3G

Payne Packaged Air Conditioner and Gas Furnace

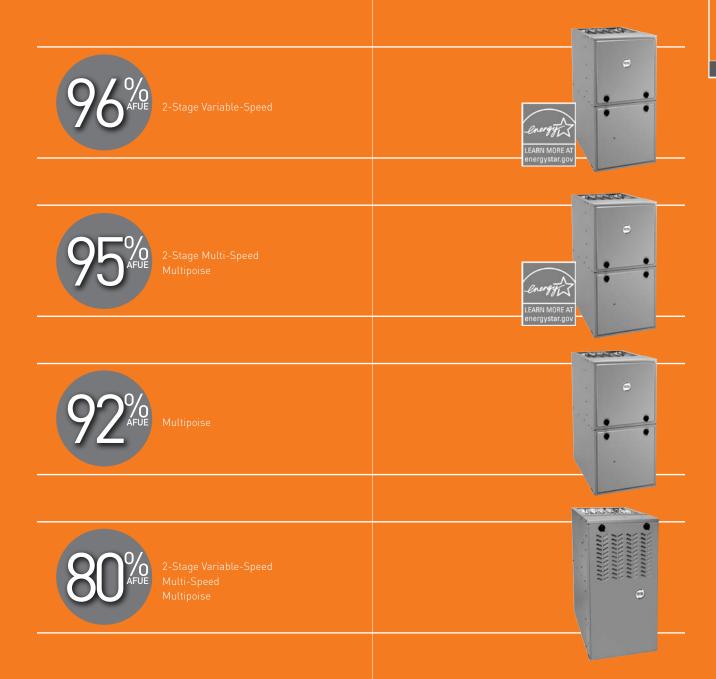
Fe	eatures	PY3G
ANCE	Efficiency (SEER) (nominal) Efficiency (EER)	up to 13.5 up to 11.2
PERFORMANCE	Efficiency (AFUE) Energy Star® Compliant	up to 80.4%
PE	R-410A Refrigerant Nominal Cooling Capacity (tons)	• 2 to 5
DESIGN	Protective Components: Contoured top Rust-proof base Integrated drain pan Metal duct covers Duct configuration	• • • • • • • •
SOUND	Sound Reduction Components: PSC condenser fan motor Forward-swept condenser fan blade	:
ijI	Operating Sound Level (dBA)	as low as 75
CONTROLS	In-Home Control	Thermostat
	Compressor	Scroll
TECHNOLOGY	Turbo-tubular™ heat exchangers	•
10 L	Thermostatic Expansion Valve (TXV)	•
동	High pressure switch	•
12	Loss of charge switch	•
	Internal pressure relief valve	•
	Compressor start kit	•
	Crankcase heater	•
	Economizer	•
ACCESSORIES	Electric heaters	•
SOF	Filter rack	•
CES.	Flat roof curbs	•
AC	Low ambient kit	•
١.	Manual outside air damper	•
	Square-to-round duct transition kit	•
ŀ.	Time Guard II	•
<u></u>	Limited Parts Warranty on copper coil (upon registration)*	10 year
WARRANTY	Limited Parts Warranty on tin-plated coil (upon registration)*	10 year
WA	Limited Parts Warranty (upon registration)*	10 year
	Limited Warranty on aluminized Heat Exchanger (upon timely registration)*	20 year
:	*for owner occupied, residential applications	

Physical Data (PY30

Unit Size	Width (In.)	Depth (In.)	Height (In.)	Unit Weight (lbs.)
024	48-3/16	32-5/8	40-1/4	311
030	48-3/16	32-5/8	42-1/8	316
036	48-3/16	32-5/8	46-1/8	326
042	48-3/16	44-1/8	44-3/4	420
048	48-3/16	44-1/8	46-3/4	428
060	48-3/16	44-1/8	46-3/4	450

Gas Furnaces







2-Stage, Variable-Speed Gas Furnace

Up to 96 AFUE

Variable-speed ECM blower motor, two-speed inducer motor and two-stage gas valve

Energy Star® Compliant

Silicon Nitride hot surface igniter

Slow opening two-stage gas valve for safe ignition

Side-wall or vertical venting

4-way multipoise design with unique vent elbow

Direct and non-direct venting capable

Propane convertible

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers upon registration

Ideal height 35" cabinet: short enough for taller coils, still allows room for service

Solid durable galvanized steel cabinet construction

Appliance style fit and finish

Direct-vent capable sealed combustion system

Fully insulated blower compartment and gasket sealed furnace casing

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault codes during power outage

Adjustable blower speed for cooling, continuous fan and dehumidification

SiN Igniter for physical and electrical robustness and durability

Aluminized steel primary heat exchanger

Stainless steel condensing secondary heat exchanger



Nomenciature						
Title	Brand	Product	Efficiency	Voltage/Motor	Major Series	
Product #/ Letter	Р	G	96	V	А	
Descriptions				V=Variable speed X=High efficiency S=Standard/PSC	/	

Heating Stages	Cooling Cap.	Heating Capacity	Width	Minor Series	Variations	
T	30	040	А	А	AA	
T=Two-stage		040=40,000 BTU	A=14.2" St	d.		
S=Single-stage		060=60,000 BTU	B=17.5" St	d.		
		080=80,000 BTU	C=21.0" St	d.		
		100=100,000 BTU	D=24.5" St	d.		
		120=120.000 BTU				



2-Stage, Multi-Speed Gas Furnace

Up to 95.5 AFUE

Two heating stages and efficient ECM blower motor

Energy Star® Compliant

Silicon Nitride hot surface igniter

Slow opening two-stage gas valve for safe ignition

Side-wall or vertical venting

4-way multipoise design with unique vent elbow

Direct and non-direct venting capable

Propane convertible

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers upon registration

Ideal height 35" cabinet: short enough for taller coils, still allows room for service

Solid durable galvanized steel cabinet construction

Appliance style fit and finish

Direct or single-pipe venting or optional ventilated combustion air

Fully insulated blower compartment and gasket sealed furnace casing

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault codes during power outage

Advanced humidity control when paired with a compatible condensing unit and using a humidity sensing thermostat

Adjustable constant fan speed from a compatible thermostat

SiN Igniter for physical and electrical robustness and durability

Aluminized steel primary heat exchanger

Stainless steel condensing secondary heat exchanger



Nomenclature

Title	Brand	Product	Efficiency	Voltage	Major Series	
Product #/ Letter	Р	G	95	Χ	А	
Descriptions				=High efficier =Standard/PS	,	

Heating Stages	Cooling Capacity	Heating Capacity	Width	Variations
Т	30	040	А	AA
T=Two-stage		040=40,000 BTU	A=14.2" Std.	
S=Single-stage		060=60,000 BTU	B=17.5" Std.	
		080=80,000 BTU	C=21.0" Std.	
		100=100,000 BTU	D=24.5" Std.	
		120=120,000 BTU		

Up to 95.5 AFUE

Reliable hot surface ignition

Slow opening gas valve for safe ignition

Side-wall or vertical venting

4-way multipoise design

Direct and non-direct venting capable

Propane convertible

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers

Ideal height 35" cabinet: short enough for taller coils, still allows room for service

Solid durable galvanized steel cabinet construction

Appliance style fit and finish

Direct-vent/sealed combustion, single-pipe venting or ventilated combustion air

PSC blower motor

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault codes during power outages

SiN Igniter for physical and electrical robustness and durability

Aluminized steel primary heat exchanger

Stainless steel condensing secondary heat exchanger



N					ır	
Т	ŧΙ	Д				

Title	Brand	Product	Efficiency	Voltage	Major Series	Heating Stages Co	ooling Capacity	Heating Capacity	Width	Variations
Product #/ Letter	Р	G	95	S	А	S	30	040	А	AA
Descriptions			S	=Standard/PS	5C	T=Two-stage		040=40,000 BTU	A=14.2" Std.	
			X	=High efficien	псу	S=Single-stage		060=60,000 BTU	B=17.5" Std.	
								080=80,000 BTU	C=21.0" Std.	
								100=100,000 BTU	D=24.5" Std.	
								120=120 000 BTII		

Up to 92.1 AFUE

Reliable hot surface ignition

Slow opening gas valve for safe ignition

Side-wall or vertical venting

4-way multipoise design

Direct and non-direct venting capable

Propane convertible

PSC blower motor

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers

Ideal height 35" cabinet: short enough for taller coils, still allows room for service

Solid durable galvanized steel cabinet construction

Appliance style fit and finish

Direct-vent/sealed combustion, single-pipe venting or ventilated combustion air

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault codes during power outages

SiN Igniter for physical and electrical robustness and durability

Aluminized steel primary heat exchanger

Stainless steel condensing secondary heat exchanger



Nomenclature Title

 Title
 Brand
 Product
 Efficiency
 Voltage
 Major Series

 Product #/ Letter
 P
 G
 92
 S
 A

 Descriptions
 S=Standard/PSC X=High efficiency

 Heating Stages Cooling Capacity
 Heating Capacity
 Width
 Variations

 S
 30
 040
 A
 AA

 T=Two-stage
 040=40,000 BTU
 A=14.2" Std.
 SESINGLE-StagE
 BCS
 BCS
 BCS
 C=21.0" Std.
 CEST.0" Std.
 CEST.0



PG96V

PG95X

PG95S

PG92S

<u>P</u>	ayne Gas Furnaces	Variable-Speed	Multi-Speed	Single-stage	Single-stage
Fe	eatures	96V	95X	95S	92S
	Efficiency (AFUE)	up to 96	up to 95.5	up to 95.5	up to 92.1
	Variable-Speed Technology	•			
	Multi-Speed Technology		•		
N	2-stage gas valve	•	•		
ΨW	Energy Star™ Compliant	•	•		
PERFORMANCE	Hot Surface Ignition	•	•	•	•
FE	Vertical or sidewall venting	•	•	•	•
	Direct & Non-direct Venting Capable	•	•	•	•
	4-way multipoise design	•	•	•	•
L	Propane convertible	•	•	•	•
DESIGN	Ideal height 35" cabinet	•	•	•	•
SIG	Galvanized steel cabinet	•	•	•	•
ă	Appliance style finish	•	•	•	•
[Low-stage operation	•	•	•	•
SOUND	Fully insulated blower compartment	•	•	•	•
os	Direct vent capable sealed combustion	•	•	•	•
S	Non-volatile fault code memory	•	•	•	•
CONTROLS	EAC & Humidifier terminals on control board	•	•	•	•
۴ı	LED diagnostics	•	•	•	•
႘	Self-test capable	•	•	•	•
	Variable-Speed Technology	•			
TECHNOLOGY	Advanced humidity control	•	•		
0	Adjustable blower speed	•	•		
H.	SiN Igniter	•	•	•	•
Ĕ	Aluminized steel primary heat exchanger	•	•	•	•
	Stainless steel secondary heat exchanger	•	•	•	•
¥	Heat Exchanger warranty	20 year	20 year	20 year	20 year
RAN	Parts warranty	10 year	10 year	10 year	10 year
WARRANTY	Total Martancy	io year	10 year	10 year	10 year

Physical Data (PG96V)

Unit Size	Direct Drive Motor Hp (ECM)	Motor Full Load (Amps)	RPM (Nominal/ Speeds)	Blower Wheel Diameter x Width	Filter Size (In.) Bottom Return	Heating Blower Control (off delay)	Limit Control
30040	1/2	6.8		11 x 7			165
42060	3/4	8.4		11 x 8		Adjustable	180
48080	3/4	8.4	600-1200	11 x 8		90, 120, 150	170
60080	1	10.9	Variable	11 x 10		or 180 sec.	200
60100	1	10.9		11 x 10		intervals	180
66120	1	10.9		11 x 11			160

Dimensions† (HxWxD)	Shipping Weight	Burners (monoport)	Gas Con- nection Size	Gas Valve (Redundant) Manufac- turer	Minimum Inlet Pressure	Maximum Inlet Pressure	Ignition Device
35x14.2x29.5	121	2					
35x17.5x29.5	142	3			4.5 in. wc	13.6 in. wc	
35x17.5x29.5	152	4	1/2 in.	White-			Silicon
35x21x29.5	156	4	NPT	Rodgers	(Natural	(Natural	Nitride
35x21x29.5	166	5			Gas)	Gas)	
35x24.5x29.5	190	6					

Physical Data (PG95X)

	Direct Drive	Motor Full	RPM	Blower Wheel	Filter Size (In.)	Heating Blower	
Unit Size	Motor Hp (ECM)	Load (Amps)	(Nominal/ Speeds)	Diameter x Width	Bottom Return	Control (off delay)	Limit Control
30040	1/2	6.8		11 x 7			165
42060	3/4	8.4		11 x 8		Adjustable	180
48080	3/4	8.4	600-1200	11 x 8		90, 120, 150	170
60080	1	10.9	5	11 x 10		or 180 sec.	200
60100	1	10.9		11 x 10		intervals	180
66120	1	10.9		11 x 11			160

Dimensions† (HxWxD)	Shipping Weight	Burners (monoport)	Gas Con- nection Size	Gas Valve (Redundant) Manufac- turer	Minimum Inlet Pressure	Maximum Inlet Pressure	Ignition Device
35x14.2x30	125	2					
35x17.5x30	146	3			, F :	13.6 in. wc	
35x17.5x30	156	4	1/2 in.	White-	4.5 in. wc		Silicon
35x21x30	161	4	NPT	Rodgers	(Natural	(Natural	Nitride
35x21x30	171	5			Gas)	Gas)	
35x24.5x30	195	6					

Physical Data (PG95S)

Unit Size	Direct Drive Motor Hp (ECM)	Motor Full Load (Amps)	RPM (Nominal/ Speeds)	Blower Wheel Diameter x Width	Filter Size (In.) Bottom Return	Heating Blower Control (off delay)	Limit Control
30040	1/2	6.2	500-1150-4	11 x 7			165
42060	1/2	6.8	500-1150-5	11 x 8			180
48080	3/4	7.9	500-1150-5	11 x 8		Adjustable	170
60080	3/4	13.8	500-1150-5	11 x 10		90, 120, 150	200
42100	3/4	6.5	500-1150-5	11 x 10		or 180 sec.	180
60100	3/4	13.8	500-1150-5	11 x 10		intervals	180
60120	3/4	14.1	500-1150-5	11 x 11			160
60140	3/4	14.1	500-1150-5	11 x 11			155

Dimensions† (HxWxD)	Shipping Weight	Burners (monoport)	Gas Con- nection Size	Gas Valve (Redundant) Manufac- turer	Minimum Inlet Pressure	Maximum Inlet Pressure	Ignition Device
35x14.2x29.5	123	2					
35x17.5x29.5	144	3					
35x17.5x29.5	154	4			/ E :=	10 / :	
35x21x29.5	162	4	1/2 in.	White-	4.5 in. wc (Natural	13.6 in. wc	Silicon
35x21x29.5	169	5	NPT	Rodgers	Gasl	(Natural	Nitride
35x21x29.5	169	5			UdSJ	Gas)	
35x24.5x29.5	186	6					
35x24.5x29.5	190	7					

Physical Data (PG92S)

Unit Size	Direct Drive Motor Hp (ECM)	Motor Full Load (Amps)	RPM (Nominal/ Speeds)	Blower Wheel Diameter x Width	Filter Size (In.) Bottom Return	Heating Blower Control (off delay)	Limit Control
30040	1/2	6.2	500-1150-4	11 x 7			165
42060	1/2	6.8	500-1150-5	11 x 8		Aultoneaulata	180
48080	3/4	7.9	500-1150-5	11 x 8		Adjustable 90, 120, 150	170
60080	3/4	13.8	500-1150-5	11 x 10		or 180 sec.	200
42100	3/4	6.5	500-1150-5	11 x 10		intervals	180
60100	3/4	13.8	500-1150-5	11 x 10		intervats	180
60120	3/4	14.1	500-1150-5	11 x 11			160

Dimensions† (HxWxD)	Shipping Weight	Burners (monoport)	Gas Con- nection Size	Gas Valve (Redundant) Manufac- turer	Minimum Inlet Pressure	Maximum Inlet Pressure	Ignition Device
35x14.2x29.5	123	2					
35x17.5x29.5	144	3					
35x17.5x29.5	154	4	1/0:-	VA/I=:+=	4.5 in. wc	13.6 in. wc	Ciliana
35x21x29.5	162	4	1/2 in. NPT	White-	(Natural	(Natural	Silicon Nitride
35x21x29.5	169	5	INPI	Rodgers	Gas)	Gas)	INITLIGE
35x21x29.5	169	5					
35x24.5x29.5	186	6					



Two-Stage Variable-Speed Gas Furnace

80% AFUE

Variable-speed ECM blower motor

Reliable hot surface ignition

Two-stage gas valve

4-way multipoise design

13 different venting options

Propane convertible

Low NOx models available (JVA)

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers upon registration

Small and compact, only 33 inches tall

Convenient and aesthetically pleasing single front door design

Solid, durable galvanized steel cabinet construction

Appliance style fit and finish

Fully insulated blower compartment and gasket sealed furnace casing

Separate internal blower door for reduced fan noise and quieter operation

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault codes during power outages

Humidity control when using a humidity sensing thermostat

Adjustable constant fan speed from the thermostat

Exclusive Draft Safeguard switch to ensure safe venting



Title	Brand	Product	Efficiency	Variation	Motor	Major Series	Cooling Capacity	Heating Capacity	Variations
Product #/ Lette	r P	G	8	М	V	A	036	070	AA
Descriptions			80%	M=Multipoise	V=Variable Speed		036	070=70,000 BTU	
				J=Low NOx	E=Multi-Speed		048	090=90,000 BTU	
					A=Standard/PSC		060	110=110,000 BTU	
					/		066	135=135,000 BTU	



80% AFUE

Multi-speed ECM blower motor

Reliable hot surface ignition

Slow opening gas valve for safe ignition

4-way multipoise design

13 different venting options

Propane convertible

Low NOx models available (JEA)

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers upon registration

Small and compact, only 33 inches tall

Convenient and aesthetically pleasing single front door design

Solid, durable galvanized steel cabinet construction

Appliance style fit and finish

Fully insulated blower compartment and gasket sealed furnace casing

Separate internal blower door for reduced fan noise and quieter operation

Convenient electronic air cleaner and humidifier terminals

LED diagnostics and self-test capable

Stores fault code during power outages

Humidity control when using a humidity sensing thermostat

Adjustable constant fan speed from the thermostat

Exclusive Draft Safeguard switch to ensure safe venting



Nomenclatur

Title	Brand	Product	Efficiency	Variation	Motor	Major Series	Cooling Capacity	Heating Capacity	Variations
Product #/ Lette	r P	G	8	М	Е	А	024	045	AA
Descriptions			80%	M=Multipoise	V=Variable Speed		024	045=45,000 BTU	
				J=Low NOx	E=Multi-Speed		048	070=70,000 BTU	
					A=Standard/PSC		060	090=90,000 BTU	
								110=110,000 BTU	
								12E 12E 000 DTH	



80% AFUE

Reliable hot surface ignition

Slow opening gas valve for safe ignition

4-way multipoise design

13 different venting options

Propane convertible

Low NOx models available (JAA)

10-year parts limited warranty upon registration

20-year limited warranty on heat exchangers

Small and compact, only 33 inches tall

Convenient and aesthetically pleasing single front door design

Solid durable galvanized steel cabinet construction

Appliance style fit and finish

Gasket sealed furnace casing

Separate internal blower door for reduced fan noise and quieter operation

CONTROLS LED diagnostics and self-test capable

Stores fault code during power outages

Adjustable heating air temperature rise

Exclusive Draft Safeguard switch to ensure safe venting



Title	Brand	Product	Efficiency	Variation	Motor	Major Series	Cooling Capacity	Heating Capacity	Variations
Product #/ Letter	Р	G	8	М	А	A	036	070	AA
Descriptions			80%	M=Multipoise	V=Variable Speed		024	045=45,000 BTU	
				J=Low NOx	E=Multi-Speed		036	070=70,000 BTU	
					A=Standard/PSC		042	090=90,000 BTU	
							048	110=110,000 BTU	
							060	135=135,000 BTU	
							066	155=155.000 BTU	



PG8MVA
PG8JVA
PG8MEA
PG8JEA
PG8MAA
PG8JAA

Payne Gas Furnaces	Variable-Speed	Multi-Speed	Single-stage
Features	80	80	80
Efficiency (AFUE)	80%	80%	80%
Variable-Speed Technology	•		
Multi-Speed Technology 2-stage gas valve 13 venting options Hot surface ignition		•	
2-stage gas valve	•		
13 venting options	•	•	•
Hot surface ignition	•	•	•
4-way multipoise design	•	•	•
Propane convertible	•	•	•
Single front door design	•	•	•
Single front door design Galvanized steel cabinet Annliance style finish	•	•	•
Appliance style finish	•	•	•
Low-stage operation	•		
Low-stage operation Fully insulated blower compartment	•	•	
Separate internal blower door	•	•	•
Non-volatile fault code memory	•	•	•
EAC & Humidifier terminals on control board	•	•	•
LED diagnostics	•	•	•
Self-test capable	•	•	•
Humidity control	•	•	
Adjustable constant fan speed	•	•	
Humidity control Adjustable constant fan speed Draft Safeguard Switch Heat Exchanger Warranty Parts Warranty	•	•	•
Heat Exchanger Warranty	20 year	20 year	20 year
Parts Warranty	10 year	10 year	10 year

		Output Capacity Btuh*						Certified Ext			
		(Nonweathered ICS)**						Static Pressure		Airflow CFM [¥]	
		PG8MVA,	PG8JVA	PG8MVA,	PG8JVA	Shipping	Certified				
	Unit	PG8JVA	Downflow/	PG8JVA	Downflow/	Weight	Temp Rise				
	Size	Upflow	Horizontal	Upflow	Horizontal	[lbs]	Range (°F)	Heating	Cooling	Heating	Cooling
	036070	54,000	51,000	66,000	63,000	115	30-60	0.12	0.50	1060	1225
	048090	71,000	68,000	88,000	84,000	130	40-70	0.15	0.50	1090	1400
	060110	89,000	85,000	110,000	105,000	155	40-70	0.20	0.50	1330	2095
	066135	107,000	102,000	132,000	126,000	166	40-70	0.20	0.50	1725	2100

	AFUE%* Non- weatherized	Limit	Heating Blower	Burners (Mono-	Gas Connec-		Gas Valve Max. Inlet Pressure	lanition
Dimensions (HxWxD)†	ICS	Control	Control	port)	tion size	(in wc)	(in wc)	Device
33-1/4x14-3/16x29	80	SPST	Solid	3		White-		
33-1/4x17-1/2x29	80	SPST	State	4	1/2 in.	Rodgers	13.6	Hot
33-1/4x21x29	80	SPST	Time	5	NPT	4.5 (Natural	(Natural Gas)	Surface
33-1/4x24-1/2x29	80	SPST	Operation	6		Gas)		

	Output Capacity Btuh* (Nonweathered ICS)**						Certified Ext Static Pressure		Airflow CFM [¥]	
Unit Size	PG8MEA, PG8JEA Upflow	PG8JEA Downflow/ Horizontal	PG8MEA, PG8JEA Upflow	Downflow/	Weight			Caaliaa	Uzation	Castian
024045		34,000	44,000	Horizontal 42,000	(lbs) 104	Range (°F) 30-60	0.10	0.50	735	1035
048070	53,000	51,000	66,000	63,000	126	25-55	0.12	0.50	1230	1460
048090	72,000	69,000	88,000	84,000	140	35-65	0.15	0.50	1345	1665
060110	90,000	86,000	110,000	105,000	152	30-60	0.20	0.50	1890	2040
060135	107,000	102,000	132,000	126,000	163	40-70	0.20	0.50	1865	2070

	AFUE%* Non- weatherized	Limit	Heating Blower	Burners (Mono-	Gas Connec-		Gas Valve Max. Inlet Pressure	Ignition
Dimensions (HxWxD)	ICS	Control	Control	port)	tion size	(in wc)	(in wc)	Device
33-1/4x14-3/16x29	80	30 SPST		2	1/2 in. NPT	White- Rodgers 4.5 (Natural	13.6 (Natural Gas)	
33-1/4x17-1/2x29	80	SPST	Solid	3				
33-1/4x21x29	80	SPST	State Time Operation	4				Hot Surface
33-1/4x21x29	80	SPST		5				Juliace
33-1/4x24-1/2x29	80	SPST		6		Gas)		

Output Capacity Btuh* [Nonweathered ICS]**		Input Btuh*				Certified Ext Static Pressure		Airflow CFM [¥]		
Unit Size	PG8MAA, PG8JAA Upflow	PG8JAA Downflow/ Horizontal	PG8MAA, PG8JAA Upflow	PG8JAA Downflow/ Horizontal	Shipping Weight (lbs)	Certified Temp Rise Range (°F)			Heating	
024045		34,000	44,000	42,000	104	30-60	0.10	0.50	865	835
036045	36,000	34,000	44,000	42,000	107	20-50	0.10	0.50	1250	1160
024070	53,000	51,000	66,000	63,000	111	40-70	0.12	0.50	720	870
036070	54,000	51,000	66,000	63,000	115	30-60	0.12	0.50	1195	1200
048070	53,000	51,000	66,000	63,000	126	25-55	0.12	0.50	1450	1530
042090	71,000	68,000	88,000	84,000	127	40-70	0.15	0.50	1300	1385
048090	71,000	68,000	88,000	84,000	140	30-60	0.15	0.50	1505	1720
060090	71,000	68,000	88,000	84,000	146	25-55	0.15	0.50	1990	2025
036110	89,000	85,000	110,000	105,000	135	50-80	0.20	0.50	1295	1355
048110	89,000	85,000	110,000	105,000	146	40-70	0.20	0.50	1515	1680
066110	89,000	85,000	110,000	105,000	152	30-60	0.20	0.50	1900	2220
048135	107,000	102,000	132,000	126,000	149	50-80	0.20	0.50	1525	1710
066135	107,000	120,000	132,000	126,000	163	40-70	0.20	0.50	1850	2110
060155	125,000	119,000	154,000	147,000	170	45-75	0.20	0.50	1790	2230

_Dimensions (HxWxD)	AFUE%* Non- weatherized ICS	Limit Control	Heating Blower Control	Burners (Mono- port)	Gas Connec- tion size	Min. Inlet	Gas Valve Max. Inlet Pressure (in wc)	Ignition Device
33-1/4x14-3/16x29	80	SPST		2				
33-1/4x14-3/16x29	80	SPST		2				
33-1/4x14-3/16x29	80	SPST SPST SPST SPST SPST SPST SPST SPST	3					
33-1/4x14-3/16x29	80		3					
33-1/4x17-1/2x29	80		3					
33-1/4x17-1/2x29	80		Solid	4		White- Rodgers 4.5 (Natural Gas)	13.6 (Natural Gas)	Hot Surface
33-1/4x21x29	80	SPST	State	4	1/2 in.			
33-1/4x21x29	80	SPST	Time	4	NPT			
33-1/4x17-1/2x29	80	SPST	Operation	5			003)	
33-1/4x21x29	80	SPST		5				
33-1/4x21x29	33-1/4x21x29 80 SF			5				
33-1/4x21x29	80	SPST		6				
33-1/4x24-1/2x29	80	SPST		6				
33-1/4x24-1/2x29	80	SPST	PST	7				

^{*}Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft., reduce ratings 4 percent Oas import alongs are territorio in estation so zoon. To receivation above zoom, in couche ranings a percent for each 1000 ft. above sea level. Refer to National Fuel Gas Code Table F4 or furnace installation instructions. In Canada, derate the unit 10 percent for elevations 2000 to 4500 ft above sea level.

^{**}Capacity in accordance with U.S. Government DOE test procedures.

^{*}Note: General product dimensions for reference only. Please see product data sheet for details

⁴ Airflow shown is for bottom only return-air supply in comfort mode (as shipped). For air delivery above 1800CFM, see Air Delivery Table for other options. A filler is required for each return air supply. ICS=Isolated Compustion System

Optional Warranties

Optional Warranties

OUR PROMISES

The Well-Built Warranty.

Every Payne® product we build is covered with a 10-year parts limited warranty.* This warranty applies to the original owner of the properly registered product.

Optional Labor Warranties are available through a third party.

- Flexible options allow you to meet dealer needs.
- Builds relationship with customers.
- Provides full protection for customers when sold with a complete system.

For help / more info:

Contact your Payne Territory Manager / Sales Representative.



^{*} Warranty period is 5 years if not registered within 90 days. Juristictions where warranty restrictions are not allowed will automatically receive a 10-year parts limited warranty. See warranty certificate at payne.com for complete details.





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Manufacturer reserves the right to discontinue, or change, at any time, specifications or designs without notice and without incurring obligations.