

# REPLACEMENT PARTS FOR Y (P125) SERIES

## MODELS YDHA, YDMA, YDSA, AND YWMA



### TABLE OF CONTENTS

IMPORTANT SAFETY INFORMATION .....	2
CABINET CONFIGURATIONS .....	2
REFERENCES .....	2
RATING PLATES .....	3
SERIAL NUMBERS .....	5
CROSS-REFERENCE BY CABINET SIZE .....	6
ELECTRICAL COMPONENTS .....	8
HEAT SECTION MODULES .....	30
GAS HEAT COMPONENTS .....	32
ELEVATION ADJUSTMENT OPTIONS FOR GAS ORIFICE REPLACEMENT.....	38
COOLING AND DEHUMIDIFYING COMPONENTS .....	41
ELECTRIC HEAT COMPONENTS .....	50
SUPPLY AIR FILTERS.....	55
OUTSIDE AIR HOOD ASSEMBLIES .....	55
DAMPER COMPONENTS .....	57
ENERGY RECOVERY WHEEL COMPONENTS FOR CABINET SIZES 1, 2, AND 3 ONLY (OPTIONS EW30, EW36, EW46, EW52, AND EW58).....	58
ELECTRIC PREHEAT ENERGY RECOVERY WHEEL COMPONENTS FOR CABINET SIZES 1, 2, AND 3 ONLY (OPTIONS PH2A, PH3A, AND PH4A).....	59
VENTER COMPONENTS .....	60
FAN SLED ASSEMBLY COMPONENTS (CABINET SIZES 1, 2, AND 3 ONLY).....	62
POWER EXHAUST COMPONENTS (OPTIONS PE AND AR).....	64
ROOF CURBS (OPTIONS CJ31, CJ34, CJ48, AND CH55).....	66
EXTERNAL CABINET COMPONENTS .....	66
HOT GAS REHEAT COMPONENTS (OPTION AUR2) .....	74

### IMPORTANT

1. Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
2. In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here. Specifications are subject to change without notice.
3. We reserve the right to substitute functional replacements.
4. Order by Part Number (PN) not by option designation.

**Table 21. Gas Heat Components (Single Heat Section)**

Option AG71 (See <a href="#">Figure 14</a> )											
Item No.	Component	Standard Efficiency Gas Heat						High Efficiency Gas Heat			
		Heat Section Option									
		H50	H75	H100	H200	H250	H300	H400	G150	G225	G300
		PN									
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor*	272742			272742			272742			
3	Limit control*	272740	272741		272740		272741	272740			
4	Flame sensor*	272743			272743			272743			
5	Gas valve, option AA1 (natural gas)*	177396			177397			177396	177397		
	Gas valve, option AA2 (propane)*	—		177395	177398			—			
6	Low gas pressure switch, option BP4*	204375			204375			204375			
7	High gas pressure switch, option BP4*	204297			204297			204297			
8	Venter assembly	Refer to <a href="#">Table 36</a> and <a href="#">Table 37</a>									
9	Flame sensor wire assembly	1020677			1020677			1020677			
10	Ignitor wire assembly	1020676			1020676			1020676			
Option AG73 (See <a href="#">Figure 14</a> ) for Cabinet Size 0 Units											
Item No.	Component	Heat Section Option—Standard Efficiency Gas Heat									
		H50	H100			H120			H150		
		PN									
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor*	207502			207502						
3	Limit control*	272740			272740						
4	Flame sensor*	147165			147165						
5	Gas valve, option AA1 (natural gas)*	260604			260604						
	Gas valve, option AA2 (propane)*	260606			260606						
6	Low gas pressure switch, option BP4*	204375			204375						
7	High gas pressure switch, option BP4*	204297			204297						
8	Venter assembly	Refer to <a href="#">Table 38</a>									
9	Modulating valve, option AA1 (natural gas)*	273587			271840						
	Modulating valve, option AA2 (propane)*	273587			273587						
10	Gas pressure switch, option AA1 (natural gas)*	211130			211130						
	Gas pressure switch, option AA2 (propane)*	211710			211710						
11	Inshot burner	164870			164870						
12	Flame sensor wire assembly (not shown)	1028089			1028089						
Option AG73 (See <a href="#">Figure 14</a> ) for Cabinet Size 1, 2, and 3 Units											
Item No.	Component	Standard Efficiency Gas Heat						High Efficiency Gas Heat			
		Heat Section Option									
		H50	H75	H100	H200	H250	H300	H400	G150	G225	G300
		PN									
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor (typical all AA options)*	272742			272742			272742			
3	Limit control*	272740	272741		272740		272741	272740			
4	Flame sensor (typical all AA options)*	272743			272743			272743			
5	Gas valve, option AA1 (natural gas)*	260604			150839			260604	150839		
	Gas valve, option AA2 (propane)*	—		260606	150840			—			
6	Low gas pressure switch, option BP4*	204375			204375			204375			
7	High gas pressure switch, option BP4*	204297			204297			204297			
8	Venter assembly	Refer to <a href="#">Table 36</a> and <a href="#">Table 37</a>									
9	Modulating valve, option AA1 (natural gas)*	273587		271840	273588			271840	273588		
	Modulating valve, option AA2 (propane)*	—		271840	273588			—			
10	Gas pressure switch, option AA1 (natural gas)*	211130			211130			211130			
	Gas pressure switch, option AA2 (propane)*	211710			211710			211710			
11	Flame sensor wire assembly	1020677			1020677			1020677			
12	Ignitor wire assembly	1020676			1020676			1020676			

\*Also shown in [Figure 16](#).

## GAS HEAT COMPONENTS—CONTINUED

<b>Table 22. Gas Heat Components (Dual Heat Section)</b>											
Option AG72 (See <a href="#">Figure 15</a> )											
Item No.	Component	Heat Section Option—Standard Efficiency Gas Heat									
		H102	H125	H150	H175	H202	H402	H502	H602	H702	H802
PN											
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor*	272742			272742			272742			
3	Limit control*	272740			272741			272740	272741		
4	Limit control*	272740	272741	272740	272741			272740	272741		
5	Gas valve, option AA1 (natural gas)*	177396			177396			177397			
	Gas valve, option AA2 (propane)*	—			—			177395			
6	Flame sensor (typical all AA options)*	272743			272743			272743			
7	High gas pressure switch, option BP4*	204297			204297			204297			
8	Venter assembly	Refer to <a href="#">Table 36</a>									
9	Gas valve, option AA1 (natural gas)*	177396			177396			177397			
	Gas valve, option AA2 (propane)*	—			—			177395			
10	Low gas pressure switch, option BP4*	204375			204375			204375			
11	Flexible gas connection*	273794			273794			120875			
12	Flame sensor wire assembly	1020677			1020677			1020677			
13	Ignitor wire assembly	1020676			1020676			1020676			
Item No.	Component	Heat Section Option—High Efficiency Gas Heat									
		G302	G372		G452		G525		G602		
PN											
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor*	272742			272742			272742			
3	Limit control*	272740			272740			272740			
4	Limit control*	272740			272740			272740			
5	Gas valve, option AA1 (natural gas)*	177396			177396			177397			
6	Flame sensor (typical all AA options)*	272743			272743			272743			
7	High gas pressure switch, option BP4*	204297			204297			204297			
8	Venter assembly	Refer to <a href="#">Table 37</a>									
9	Gas valve, option AA1 (natural gas)*	177396	177397		177397			177397			
10	Low gas pressure switch, option BP4*	204375			204375			204375			
11	Flexible gas connection*	273794			120875			120875			
12	Flame sensor wire assembly	1020677			1020677			1020677			
13	Ignitor wire assembly	1020676			1020676			1020676			

\*Also shown in [Figure 16](#).

**Table 22. Gas Heat Components (Dual Heat Section)—Continued**

Option AG74 (See [Figure 15](#))

Item No.	Component	Heat Section Option—Standard Efficiency Gas Heat									
		H102	H125	H150	H175	H202	H402	H502	H602	H702	H802
		PN									
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor (typical all AA options)*	272742			272742			272742			
3	Limit control (typical all AA options)*	272740			272741			272740		272741	
4	Limit control (typical all AA options)*	272740	272741		272740	272741		272740		272741	
5	Gas valve, option AA1 (natural gas)*	177396			177396			177397			
	Gas valve, option AA2 (propane)*	—			—			177395		177398	
6	Flame sensor (typical all AA options)*	272743			272743			272743			
7	High gas pressure switch, option BP4*	204297			204297			204297			
8	Venter assembly	Refer to <a href="#">Table 36</a>									
9	Gas valve, option AA1 (natural gas)*	—			—			260604		150839	
	Gas valve, option AA2 (propane)*	—			—			260606		150840	
10	Low gas pressure switch, option BP4*	204375			204375			204375			
11	Flexible gas connection*	273794			273794			120875			
12	Modulating valve, option AA1 (natural gas)*	273587			273587		271840	273588			
	Modulating valve, option AA2 (propane)*	—			—			271840		273588	
13	Gas pressure switch, option AA1 (natural gas)*	211130			211130			211130			
	Gas pressure switch, option AA2 (propane)*	211710			211710			211710			
14	Flame sensor wire assembly	1020677			1020677			1020677			
15	Ignitor wire assembly	1020676			1020676			1020676			
Item No.	Component	Heat Section Option—High Efficiency Gas Heat									
		G150	G302	G372, G452	G525	G602					
		PN									
1	Heat exchanger assembly	Refer to <a href="#">Table 20</a>									
2	Spark ignitor (typical all AA options)*	272742			272742						
3	Limit control (typical all AA options)*	—		272740	272740						
4	Gas valve, option AA1 (natural gas)*	—		177396	177397						
	Gas valve, option AA2 (propane)*	—			—						
5	Flame sensor (typical all AA options)*	272743			272743						
6	High gas pressure switch, option BP4*	204297			204297						
7	Venter assembly	Refer to <a href="#">Table 37</a>									
8	Gas valve, option AA1 (natural gas)*	150839	260604		150839						
	Gas valve, option AA2 (propane)*	150840	—		—						
9	Low gas pressure switch, option BP4*	204375			204375						
10	Flexible gas connection*	—		273794	273794	120875					
11	Modulating valve, option AA1 (natural gas)*	—		271840	273588						
	Modulating valve, option AA2 (propane)*	—			—						
12	Gas pressure switch, option AA1 (natural gas)*	211130			211130						
	Gas pressure switch, option AA2 (propane)*	211710			211710						
13	Flame sensor wire assembly	1020677		1020677		1020677					
14	Ignitor wire assembly	1020676		1020676		1020676					

\*Also shown in [Figure 16](#).