Replacement Parts Manual

WALL MOUNTED GAS/ELECTRIC

MODEL: WG421 WG481 WG601

General Notes

Contents

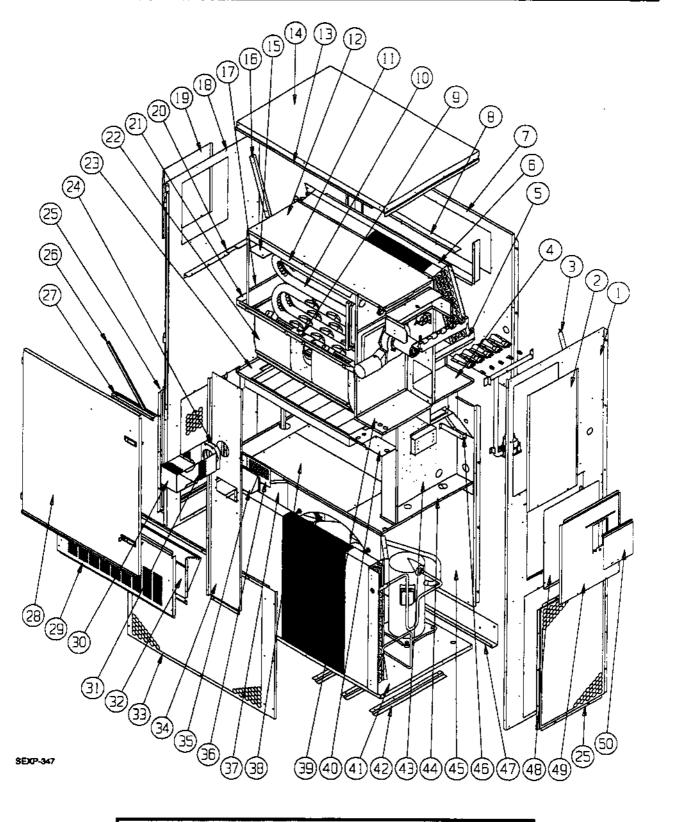
Revised and/or additional pages may be Description Page issued from time to time. A complete and current manual consists of Cabinet Components pages shown in the following contents Exploded View 1 section. Usage List 2 Usage List 3 Usage List 4 Usage List 5 Usage List 6 Important Usage List 7 Blank Page 8 > Contact the installing and/or local Bard **Functional Components** distributor for all parts requirements. Make Exploded View 9 sure you have the complete model and Usage List 10 serial number available from the unit rating Usage List 11 plates. Usage List 12 **Functional Components** Exploded View 13 ٠ Usage List 14 Usage List 15 ٠ Usage List 16 ٠ Control Panel • Layout 17 Usage List 18 ٠ Blower Assembly Exploded View 19 Usage List 19 OBSOLETE



BARD MANUFACTURING COMPANY Bryan, Ohio 43506

Since 1914...Moving ahead, just as planned.

Manual: 2110-803 Supersedes: File: Vol. III Tab 20 Date: 06-01-2000



This drawing to be used for reference for Pages 2, 3, 4, 5, 6 and 7.

			WG421-AXB	WG421-AXC	WG421-AXD	WG421-BXB	WG421-BXC	1-BXD	WG421-CXB	WG421-CXC	WG421-CXD
Dwg			G42	G42	G42	G42	642	542	G42	642	G42
No.	Part No.	Description	ž	ž	ž	ž	ž	Š	Š	Š	ž
1	501-376-*	Right Side Assembly	X	X	X	X	X	X	X	X	X
2	S153-326-*	Vestibule Service Door	X	X	X	X	X	X	Х	X .	X
3	105X1076	Right Evaporator Support Angle	X	X	X	X	X	X	X	X	X
4	541-266	Right Drain Pan Support Assembly	X	X	X	X	X	X	X	X	X
5	523-103	Drain Pan Assembly	X	X	X	X	X	X	X	X	X
6	105-1080	Evaporator Coil Fill Angle	X	X	X	X	Х	X	Х	X	X
7	509-156	Upper Back	X	X	X	X	X	X	X	X	X
8	111-063	Supply Air Frame	2	2	2	2	2	2	2	2	2
9	103-439	Heat Exchanger Support Offset	X	X	X	X	Х	X	х	X	X
10	Heat Exch As	sy See Burner Components Diagram									
11	105-1076	Top Heat Exchanger Deflector	X	Х	X	X	Х	Х	X	X	X
12	135-183	Inner Air Baffle	X	X	X	X	Х	Х	Х	Х	X
13	165-563-*	Top Rain Channel	X	х	X	Х	X	X	X	х	X
14	507-219-*	Top Assembly	X	X	X	Х	Х	X	х	х	X
15	135-184	Right Heat Exchanger Deflector	X	X	X	X	Х	Х	Х	х	X
16	105Y1073	Left Evaporator Support Angle	X	Х	Х	Х	X	X	Х	Х	X
17	105-1066	Lower Heat Exchanger Deflector	X	X	Х	Х	Х	Х	Х	Х	X
18	501-377-*	Left Side Assembly	X	Х	Х	Х	Х	Х	X	Х	X
19	543-070-*	Left Access Cover	X	Х	X	X	Х	Х	X	Х	х
20	105-1070	Left Support Angle	X	Х	х	X	X	Х	Х	X	х
21	121-337	Blower Partition	X	Х	х	X	X	Х	Х	X	X
22	900-249	Complete Blower Assembly - 230V	X	X	X	X	Х	Х			
22	900-251	Complete Blower Assembly - 460V							х	x	x
23	131-134	Filter Tray	X	X	Х	Х	Х	Х	X	Х	X
24	168-121	Vent Plate	X	X	х	Х	Х	Х	х	Х	X
25	118-032	Side Grille	2	2	2	2	2	2	2	2	2
26	105-1068	Door Stop Angle	X	Х	X	X	Х	Х	X	Х	x
		Continued on pa	age 3								

Exterior cabinet parts are manufactured with various paint color options. To insure that you receive the proper paint color, you must include the complete model and serial number of the unit for which cabinet parts are being ordered.

			WG421-AXB	WG421-AXC	421-AXD	WG421-BXB	421-BXC	421-BXD	421-CXB	421-CXC	WG421-CXD
Dwg			ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ
No.	Part No.	Description			>	>	-	>	>		<u> </u>
		Continued from P									
27	105-1069	Door Stop Slide	<u>×</u>	X	X	X	X	X	X	X	X
28	553-325-*	Front Door Assembly	X	X	X	X	X	X	X	X	X
29	553-327-*	Vent Option Door Assembly	X	Χ.	X	X	X	X	X	Х	X
30	169-119	Outer Vent Hood	X	X	X	X	X	X	X	X	X
31	169-120	Inner Vent Hood	X	Х	X	X	X	X	X	X	X
32	538-135	Barometric Fresh Air Damper	X	X	Х	X	X	Х	X	X	X
33	118-031-*	Condenser Grille	X	X	X	X	Х	X	X	X	_X_
34	549-095-*	Right Front Corner Assembly	X	Х	X	X	Х	X	X	Х	X
35	135-181-*	Air Intake Hood	X	X	Х	X	Х	X	Х	X	X
36	134-182-*	Air Intake Back	<u>x</u>	Χ.	Х	Х	Х	X	X	X	X
37	125-036	Fan Shroud	<u>x</u>	X	Х	Х	X	X	X	X	Х
38	542-072	Condenser Partition Blank Off Plate	2	2	2	2	2	2	2	2	2
39	541-267	Heat Exchanger Support Assembly	X	X	Х	Х	Х	X	_X	X	X
40	142-071	Filter Blank Off Plate	X	X	X	X	X	X	Х	X	X
41	127-302	Lower Base	X	X	X	X	X	X	X	X	X
42	103-438	Lower Base Offset	3	3	3	3	3	3	3	3	3
43	902-1092	Control Panel Assembly	X	Х	Х						
43	902-1093	Control Panel Assembly				X	X	X			
43	902-1094	Control Panel Assembly							Х	Х	Х
44	521-338	Condenser Partition Assembly	X	X	X	X	Х	X	Х	Х	X
45	509-157	Lower Back Assembly	X	X	X	_X	Χ.	X	_X	X	X
46	113-268	Manifold Bracket	X	X	X	X	X	Χ.	Х	X	х
47	113-140	Bottom Support Bracket	X	Х	Х	Х	Х	X	X	X	Х
48	113-163 😑 🛄	Control Panel Cover (Inner)	X	Х	Х	Х	Х	X	X	Х	X
49	S533-16	Control Panel Cover Assembly	X	Х	X	Х	X	X	_Χ	Х	Х
50	153-328-*	Disconnect Access Door	X	Х	Х	Х	Х	X	Х	Х	X

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Refer to drawing on Page 1

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			I-AXB	I-AXC	I-AXD	9X8-1	I-BXC	I-BXD	I-CXB	1-CXC	I-CXD
Dwg No.	Part No.	Description	WG481-AXB	WG481-AXC	WG481-AXD	WG481-BXB	WG481-BXC	WG481-BXD	WG481-CXB	WG481-CXC	WG481-CXD
1	501-376-*	Right Side Assembly	X	X	Гх	x	x	x	x	x	X
2	S153-326-*	Vestibule Service Door	1 x	x	Î	x	x	x	x	x	$\hat{\mathbf{x}}$
3	105X1076	Right Evaporator Support Angle	X	x	x	X	X	X	X	X	X
4	541-266	Right Drain Pan Support Assembly	X	X	x	x	x	x	X	X	x
5	523-103	Drain Pan Assembly	X	X	X	x	x	x	X	X	X
6	105-1080	Evaporator Coil Fill Angle	X	X	x	x	x	x	X	X	x
7	509-156	Upper Back	X	X	X	X	X	X	x	X	X
8	111-063	Supply Air Frame	2	2	2	2	2	2	2	2	2
9	103-439	Heat Exchanger Support Offset	X	X	x	X	X	X	X	X	X
10		sy See Burner Components Diagram									
11	105-1076	Top Heat Exchanger Deflector	X	х	X	X	X	Х	X	X	X
12	135-183	Inner Air Baffle	X	Х	X	X	X	X	X	X	х
13	165-563-*	Top Rain Channel	X	Х	X	X	X	X	X	X	х
14	507-219-*	Top Assembly	X	Х	Х	X	X	Х	X	X	X
15	135-184	Right Heat Exchanger Deflector	X	Х	Х	X	X	X	X	X	х
16	105Y1073	Left Evaporator Support Angle	X	X	Х	X	X	X	Х	X	Х
17	105-1066	Lower Heat Exhcanger Deflector	X	X	X	X	X	Х	X	X	Х
18	501-377-*	Left Side Assembly	X	Х	Х	X	X	Х	X	X	Х
19	543-070-*	Left Access Cover	X	X	X	X	Х	Х	X	X	X
20	105-1070	Left Support Angle	X	X	X	Х	X	Х	X	X	Х
21	121-337	Blower Partition	X	×	X	X	X	X	X	X	X
22	900-249	Complete Blower Assembly - 230V	X	X	х	X	X	X			
22	900-251	Complete Blower Assembly - 460V							X	X	х
23	131-134	Filter Tray	X	Х	X	X	X	X	Х	X	X
24	168-121	Vent Plate	X	Х	X	X	X	X	X	X	X
25	118-032	Side Grille	2	2	2	2	2	2	2	2	2
26	105-1068	Door Stop Angle	X	X	Х	X	Х	Х	Х	X	X
L		Continued on pa	ige 5]

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			WG481-AXB	WG481-AXC	WG481-AXD	WG481-BXB	81-BXC	WG481-BXD	WG481-CXB	WG481-CXC	WG481-CXD
Dwg			5	5	5	5	2	6	5	5	64
No.	Part No.	Description	3	3	3	3	3	3	3	3	3
		Continued from P	age 4								
27	105-1069	Door Stop Slide	X	X	Х	X	X	X	X	X	X
28	553-325-*	Front Door Assembly	X	X	X	X	X	X	Х	X	X
29	553-327-*	Vent Option Door Assembly	X	X	Х	X	X	Х	Х	Х	X
30	169-119	Outer Vent Hood	X	X	X	X	X	Х	Х	X	X
31	169-120	Inner Vent Hood	X	X	X	X	X	Х	x	X	X
32	538-135	Barometric Fresh Air Damper	X	X	Х	X	Х	Х	X	Х	X
33	118-031-*	Condenser Grille	X	Х	X	Х	X	Х	X	X	X
34	549-095-*	Right Front Corner Assembly	X	X	X	Х	X	X	X	X	X
35	135-181-*	Air Intake Hood	X	X	X	Х	X	Х	Х	X	X
36	134-182-*	Air Intake Back	X	Х	X	X	X	X	X	X	X
37	125-036	Fan Shroud	X	X	X	X	X	Х	X	Х	X
38	542-072	Condenser Partition Blank Off Plate	2	2	2	2	2	2	2	2	2
39	541-267	Heat Exchanger Support Assembly	X	X	X	Х	X	X	Х	х	X
40	142-071	Filter Blank Off Plate	X	X	Х	X	X	X	Х	Х	X
41	127-302	Lower Base	X	X	X	X	X	X	Х	Х	X
42	103-438	Lower Base Offset	3	3	3	3	3	3	3	3	3
43	902-1095	Control Panel Assembly	X	Х	X						
43	902-1096	Control Panel Assembly				X	X	X			
43	902-1097	Control Panel Assembly							X	X	X
44	521-338	Condenser Partition Assembly	X	Х	Х	X	Х	Х	Х	X	X
45	509-157	Lower Back Assembly	X	X	Х	X	Х	Х	Х	X	X
46	113-268	Manifold Bracket	X	X	Х	Х	Х	Х	X	Х	X
47	113-140	Bottom Support Bracket	X	Х	Х	Х	Х	Х	Х	Х	X
48	113-163 =	Control Panel Cover (Inner)	X	Х	Х	Х	X	X	X	X	X
49	S533-162	Control Panel Cover Assembly	X	X	Х	Х	X	Х	Х	X	Х
50	153-328-*	Disconnect Access Door	X	X	X	X	X	Х	Х	Х	Х

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Refer to drawing on Page 1

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			I-AXB	I-AXC	I-AXD	WG601-BXB	1-BXC	WG601-BXD	l-CXB	-cxc	ĊXD
Dwg No.	Part No.	Description	WG601-AXB	WG601-AXC	WG601-AXD	WG60	WG601-BXC	MG60	WG601-CXB	WG601-CXC	WG601-CXD
1	501-376-*	Right Side Assembly	Тх	X	x	x					
2	S153-326-*	Vestibule Service Door	<u> </u>	X	x	Â X	X X	X X	X	X	X
3	105X1076		<u>−</u>	Â	Â	$\frac{1}{x}$			X	X	X
4	541-266	Right Evaporator Support Angle	<u> </u>			· ·	X	X	X	X	X
5	523-103	Right Drain Pan Support Assembly		X	<u>. X</u>	X	X	X	X	X	X
· · · · · ·		Drain Pan Assembly	X	X	X	X	X	X	X	X	X
6	105-1080	Evaporator Coil Fill Angle	X	<u> </u>	X	X	X	X	X	X	X
7	509-156	Upper Back	×	X	<u> </u>	X	X	X	X	X	X
8	111-063	Supply Air Frame	2	2	2	2	2	2	2	2	2
9	103-439	Heat Exchanger Support Offset	X	X	X	X	X	X	X	X	X
10		sy See Burner Components Diagram									
11	105-1076	Top Heat Exchanger Deflector	X	X	Х	X	X	X	X	Х	X
12	135-183	Inner Air Baffle	X	X	X	X	X	Х	X	Х	X
13	165-563-*	Top Rain Channel	X	X	X	X	Х	Х	X	X	X
14	507-219-*	Top Assembly	X	X	X	Х	X	X	X	X	X
15	135-184	Right Heat Exchanger Deflector	X	X	X	X	X	X	X	X	X
16	105Y1073	Left Evaporator Support Angle	X	Х	X	X	X	X	X	X	Х
17	105-1066	Lower Heat Exchanger Deflector	X	×	X	Х	X	Х	X	Х	Х
18	501-377-*	Left Side Assembly	X	X	X	Х	Х	х	X	Х	X
19	543-070-*	Left Access Cover	X	X	Х	Х	Х	х	Х	X	X
20	105-1070	Left Support Angle	X	Х	Х	Х	Х	х	X	Х	х
21	121-337	Blower Partition	X	X	X	X	Х	Х	Х	Х	X
22	900-249	Complete Blower Assembly - 230V	X	Х	X	Х	Х	Х			
22	900-251	Complete Blower Assembly - 460V						i	x	х	x
23	131-134	Filter Tray	X	Х	Х	Х	Х	X	X	х	X
24	168-121	Vent Plate	X	Х	X	X	Х	Х	X	Х	X
25	118-032	Side Grille	2	2	2	2	2	2	2	2	2
26	105-1068	Door Stop Angle	X	X	X	х	X	X	X	X	X
	······	Continued on pa	age 7								

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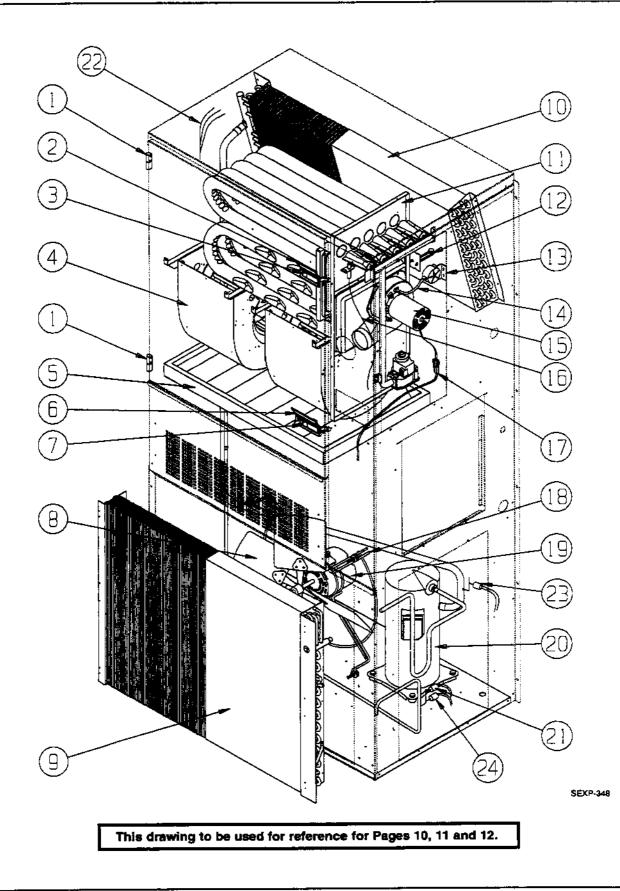
Dwg			WG601-AXB	WG601-AXC	WG601-AXD	WG601-BXB	VG601-BXC	WG601-BXD	WG601-CXB	WG601-CXC	WG601-CXD
No.	Part No.	Description			5	5	5	5	5	5	<u> </u>
		Continued from P	age 6								
27	105-1069	Door Stop Slide	X	X	X	X	X	X	X	X	X
28	553-325-*	Front Door Assembly	X	Х	X	X	X	X	X	X	X
29	553-327-*	Vent Option Dor Assembly	X	Х	X	Х	Х	X	X	X	X
30	169-119	Outer Vent Hood	X	Х	X	X	Х	X	X	X	X
31	169-120	Inner Vent Hood	X	Х	X	X	X	X	X	X	X
32	538-135	Barometric Fresh Air Damper	Х	Х	X	X	Х	X	X	X	X
33	118-031-*	Condeser Grille	X	Х	X	X	Х	Х	X	X	X
34	549-095-*	Right Front Corner Assembly	X	X	X	X	X	X	X	X	X
35	135-181-*	Air Intake Hood	X	Х	X	X	Х	Х	X	X	X
36	134-182-*	Air Intake Back	X	Х	X	Х	Х	Х	X	X	X
37	125-036	Fan Shroud	X	Х	X	Х	Х	Х	Х	Х	X
38	542-072	Condenser Partition Blank Off Plate	2	2	2	2	2	2	2	2	2
39	541-267	Heat Exchanger Support Assembly	Х	х	X	X	Х	X	X	X	X
40	142-071	Filter Blank Off Plate	X	Х	X	Х	Х	X	X	X	X
41	127-302	Lower Base	X	Х	X	х	X	X	X	X	X
42	103-438	Lower Base Offset	3	3	3	3	3	3	3	3	3
43	902-1098	Control Panel Assembly	X	Х	X						
43	902-1099	Control Panel Assembly				X	x	x			
43	902-1100	Control Panel Assembly			ľ				X	X	x
44	521-338	Condenser Partition Assembly	X	Х	X	X	Х	X	X	х	X
45	509-157	Lower Back Assembly	X	Х	X	х	X	X	X	х	X
46	113-268	Manifold Bracket	X	Х	X	X	X	X	X	X	X
47	113-140	Bottom Support Bracket	X	Х	X	х	X	X	х	X	X
48	113-163 📃	Control Panel Cover (Inner)	X	Х	X	X	X	х	х	X	X
49	S533-162	Control Panel Cover Assembly	X	Х	X	х	X	Х	х	х	х
50	153-328-*	Disconnect Access Door	X	Х	X	X	X	X	X	x	х

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SEXP-306

FUNCTIONAL COMPONENTS



			WG421-AXB	WG421-AXC	WG421-AXD	WG421-BXB	WG421-BXC	WG421-BXD	WG421-CXB	WG421-CXC	WG421-CXD
Dwg			5	342	342	342	55	32	25	5	77
No.	Part No.	Description	ž	ž	ž	ž	ž	ž	Ă	ž	ž
1	5400-005	Metal Lift-Off Hinge	2	2	2	2	2	2	2	2	2
2	1171-050	Weather Cover for Latch 1171-048	X	X	X	X	X	X	X	X	T X
3	1171-048	Black Non-Lockable Latch	X	X	X	X	X	X	Τx	X	Tx
4	900-249	Complete Blower Assembly 230/208	X	X	X	X	X	X			
4	900-251	Complete Biower Assembly 460V							X	X	x
5	7004-027	20 x 30 x 2 Pleated Filter (standard)	X	X	X	X	X	X	X	X	X
5	7003-030	20 x 30 x 1 AF Filter (optional)	X	X	X	X	X	X	x	X	x
6	1171-051	Weather Cover for Latch 1171-049	X	X	X	X	Х	X	X	X	X
. 7	1171-049	Black Lockable Latch	X	X	X	X	X	X	X	X	X
8	5151-054	Fan Blade	X	X	X	X	X	X	X	X	X
9	5051-078	Coil	X	X	X	X	X	X	X	X	X
10	5060-106	Coil	X	X	X	Х	Х	Х	X	X	X
11	Heat Exch.	See Burner Components Diagram	X	Х	X	Х	X	X	X	X	X
12	8402-117	Limit Control L215-30 3"	X			X			X		
12	8402-123	Limit Control L180-30 3"		X			x			X	
12	8402-107	Limit Control L155-30 3"			X			X			X
13	8406-103	.55" ± .05" Pressure Switch	Х	Х	X	Х	Х	X	X	X	X
15	8109-012	Induced Draft Blower 230V	X	Х	Х	Х	Х	X			
15	8109-013	Induced Draft Blower 460V							x	X	X
16	8600-011	Suppression Ignition Cable	Х	X	X	X	X	х	X	X	X
17	3000-1121	Wire Assembly	Х	Х	Х	Х	X	Х			
17	3000-1124	Wire Assembly							X	X	x
18	8200-004	Fan Motor Mount	X	X	X	Х	X	X	Х	X	X
19	8105-039	Motor 230/208V	Х	X	Х	X	X	X			
19	8105-030	Motor 460V							X	X	X
20	8000-126	Compressor CR42K6-PFV	X	X	Х						
20	8000-127	Compressor CR42K6-TF5				X	х	x			
20	8000-128	Compressor CR42K6-TFD							x	X	x
21	1804-0106	High Pressure Switch (Flare)	X	X	X	X	X	X	X	X	X
22	5625-038	Distributor/Orifice .078	X	Х	X	X	X	Х	X	X	X
23	1804-0107	Low Pressure Switch - Opt (Flare)	Х	Х	X	X	X	X	X	X	X
24	CMA-6	Low Ambient Control - Opt (Flare)	X	X	X	Х	X	X	X	X	X

Opt. = Optional

FUNCTIONAL COMPONENTS

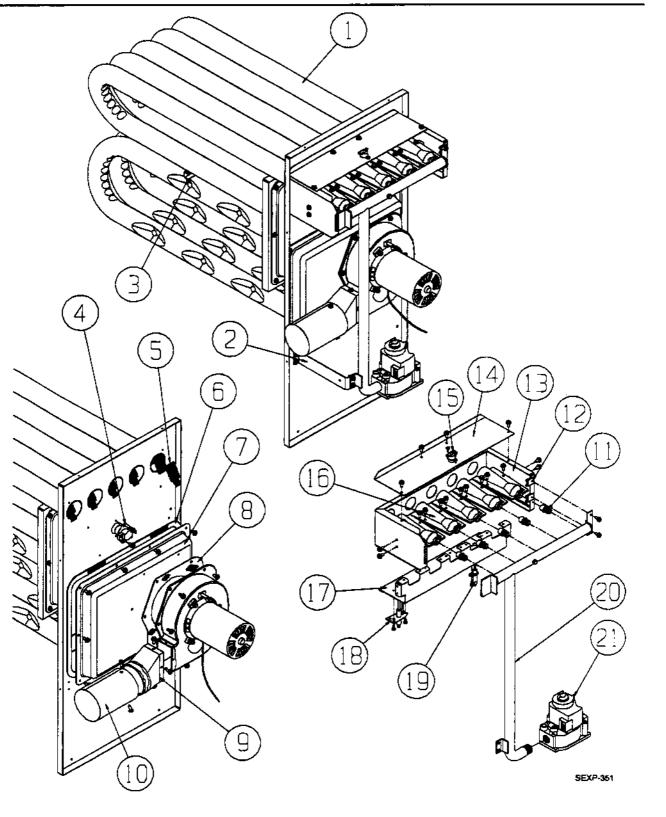
			WG481-AXB	WG481-AXC	WG481-AXD	WG481-BXB	WG481-BXC	WG481-BXD	WG481-CXB	WG481-CXC	WG481-CXD
Dwg			Š	ΥĞ4	Š	ΥĞ	Š	Š	ζų Λ	ζΩ Λ	Š
<u>No.</u>	Part No.	Description	-			_				-	
1	5400-005	Metal Lift-Off Hinge	2	2	2	2	2	2	2	2	2
2	1171-050	Weather Cover for Latch 1171-048	X	X	X	X	X	X	X	X	X
3	1171-048	Black Non-Lockable Latch	X	X	X	X	X	X	X	X	X
4	900-249	Complete Blower Assembly 230/208	X	X	X	X	X	X			
4	900-251	Complete Blower Assembly 460V					ļ		X	X	х
5	7004-027	20 x 30 x 2 Pleated Filter (standard)	X	X	X	X	X	X	X	X	X
5	7003-030	20 x 30 x 1 AF Filter (optional)	X	X	X	X	X	X	X	X	х
6	1171-051	Weather Cover for Latch 1171-049	X	X	X	X	X	X	X	X	Х
7	1171-049	Black Lockable Latch	X	X	X	X	X	L X	X	X	Х
8	5151-054	Fan Blade	X	X	X	X	X	X	X	X	X
9	5051-074	Coil	X	X	X	X	X	X	X	X	Х
10	5060-106	Coil	X	X	X	X	Х	X	X	X	X
11	Heat Exch.	See Burner Components Diagram	X	X	X_	X	Х	X	X	X	X
12	8402-117	Limit Control L215-30 3"	X			X			X		
12	8402-123	Limit Control L180-30 3"		X			X			X	
12	8402-107	Limit Control L155-30 3"			X			X			X
13	8406-103	.55" ± .05" Pressure Switch	X	Х	X	X	X	X	X	X	X
15	8109-012	Induced Draft Blower 230V	X	Х	X	X	X	X		r .	
15	8109-013	Induced Draft Blower 460V							X	X	X
16	8600-011	Suppression Ignition Cable	X	X	X	X	X	X	Х	X	X
17	3000-1121	Wire Assembly	X	X	X	X	X	X			
17	3000-1124	Wire Assembly	[ŀ		X	X	X
18	8200-004	Fan Motor Mount	X	X	X	X	X	X	Х	X	X
19	8105-039	Motor 230/208V	X	Х	X	X	X	X			
19	8105-030	Motor 460V							x	X	x
20	8000-236	Compressor ZR47KC-PFV	X	X	X						
20	8000-221	Compressor ZR47KC-TF5				X	X	X	ŀ]	
20	8000-222	Compressor ZR47KC-TFD						l	X	X	X
21	1804-0106	High Pressure Switch (Flare)	X	Х	X	X	X	X	X	X	X
22	5625-038	Distributor/Orifice .084	X	X	X	X	х	X	X	X	X
23	1804-0107	Low Pressure Switch - O	X	X	X	X	X	X	X	X	X
24	CMA-6	Low Ambient Control - Opt (Flare)	X	Х	X	х	х	X	X	X	X

Opt. = Optional

			WG601-AXB	WG601-AXC	WG601-AXD	WG601-BXB	WG601-BXC	WG601-BXD	WG601-CXB	WG601-CXC	WG601-CXD
			Ś	ġ	ğ	ģ	ġ	ġ	ğ	Б.	<u>ö</u>
Dwg			ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ	ğ
No.	Part No.	Description	-	-	-	-	-	-		-	-
1	5400-005	Metal Lift-Off Hinge	2	2	2	2	2	2	2	2	2
2	1171-050	Weather Cover for Latch 1171-048	X	X	X	X	X	<u>x</u>	X	X	X
3	1171-048	Black Non-Lockable Latch	X	<u>x</u>	X	X	X	<u>×</u>	X	X	X
4	900-249	Complete Blower Assembly 230/208	X	X	X	X	X	X			
4	900-251	Complete Blower Assembly 460V							X	X_	X
5	7004-027	20 x 30 x 2 Pleated Filter (standard)	X	X	X	X	X	X	X	X	X
5	7003-030	20 x 30 x 1 AF Filter (optional)	X	X	X	X	X	X	X	X	X
6	1171-051	Weather Cover for Latch 1171-049	X	X	X	X	X	Х	X	X	X
7	1171-049	Black Lockable Latch	X	X	X	X	X	Х	X	X	X
8	<u>5151-054</u>	Fan Blade	X	X	X	Х	Х	X	X	X	X
9	5051-074	Coil	X	Х	X	X	Х	Х	X	X	X
10	5060-105	Coil	X	Х	X	Х	Х	х	X	X	X
11	Heat Exch.	See Burner Components Diagram	X	X	X	Х	Х	Х	X	Х	X
12	8402-117	Limit Control L215-30 3"	X			X			Х		
12	8402-123	Limit Control L180-30 3"		х			x			X	
12	8402-107	Limit Control L155-30 3"			X			x			x [
13	8406-103	.55" ± .05" Pressure Switch	X	х	Х	X	Х	Х	X	X	Х
15	8109-012	Induced Draft Blower 230V	X	X	Х	Х	Х	X			
15	8109-013	Induced Draft Blower 460V							X	X	X
16	8600-011	Suppression Ignition Cable	X	Х	Х	Х	Х	X	Х	Х	X
17	3000-1121	Wire Assembly	X	X	Х	Х	Х	Х			
17	3000-1124	Wire Assembly	1						x	x	X
18	8200-004	Fan Motor Mount	X	Х	X	Х	Х	Х	X	Х	X
19	8105-039	Motor 230/208V	X	Х	X	X	х	X			
19	8105-030	Motor 460V				:			x	X	X
20	8000-153	Compressor ZR61K3-PFV	X	Х	Х						
20	8000-154	Compressor ZR61K3-TF5				x	x	X			
20	8000-155	Compressor ZR61K3-TFD							x	x	x
21	1804-0106	High Pressure Switch Flare	X	Х	Х	х	X	X	X	X	X
22	5625-038 =	Distributor/Orifice .089	X	X	X	Х	X	Х	Х	X	X
23	1804-010	Low Pressure Switch - Opt (Flare)	X	Х	х	Х	х	Х	X	X	X
24	CMA-6	Low Ambient Control - Opt (Flare)	X	X	X	Х	X	X	Х	Х	X

Opt. = Optional

BURNER COMPONENTS



This drawing to be used for reference for Pages 14, 15 and 16.

BURNER COMPONENTS

Dwg			WG421-*XB	WG421-*NB	WG421-*XC	WG421-*NC	WG421-*XD	WG421-*ND
No.	Part No.	Description	Ň	Ň	MG	Ň	D M	D M
	170-243	Heat Exchanger Assembly 75K	x	X				
1	170-245	Heat Exchanger Assembly 100K		$ ^{\sim}$	x	x		
1	170-246	Heat Exchanger Assembly 125K			^	^	x	x
2	113-268	Manifold Bracket	X	X	x	x	x	x
3	S141-272	Tube Center Support	x	X		<u> </u>		
3	S141-273	Tube Center Support			x	x		
3	S141-274	Tube Center Support		i i			x	x
4	8402-115	Limit Control L280-30	x	X	x	x		
4	8402-116	Limit Control L300-30					x	x
5	9010-083	NOx Screen		3	<u> </u>	4		5
6	1921-025-4600	46" Gias-Tak Tape	X	x	X	x	x	X
7	168-126	Collector Box	X	X	<u> </u>			
7	168-127	Collector Box			x I	l x		
7	168-128	Collector Box					x	x
8	1921-044	Gasket Set	X	X	X	X	x	X
9	5809-013	3" Cast Inducer Transition	X	X	X	X	X	X
10	5809-017	3.031" x 4.625" Transition	X	X	X	X	X	X
11	9010-079	Orifice 2.40mm (.0960 dia.)	3	3	4	4	5	5
11	9010-082	Orifice 2.30mm (10% derate)	3	3	4	4	5	5
12	1012-314	U Clip Fastener	4	4	4	4	4	4
13	163-042	Burner Box	X	X				
13	163-044	Burner Box			X	x		
13	163-046	Burner Box					x	x
14	141-268	Flame Rollout Support	X	X				
14	141-269	Flame Rollout Support			X	x		
14	141-270	Flame Rollout Support					x	x
15	8402-124	Flame Rollout Switch L270	X	X	Х	X	X	X
16	9010-078	In-Shot Burner 2.5 x 4.5	3	3	4	4	5	5
17	163-041	Burner Support	X	X				
17	1 63- 043	Burner Support			X	X		
17	163-045	Burner Support					х	X
18	8554-024	DSI Spark Igniter	Х	X	Х	Х	X	X
19	8554-025	Flame Sensor	Х	Х	Х	X	Х	X
20	5818-054	3-Hole Gas Manifold - 1/2"	X	х				
20	5818-055	4-Hole Gas Manifold - 1/2"			х	x		
20	5818-056	5-Hole Gas Manifold - 1/2"					x	x
21	5651-160	Natural Gas Valve 1/2 x 1/2	Х	X	X	X	Х	X

BURNER COMPONENTS

Dwg No.	Part No.	Description	WG481-*XB	WG481.*NB	WG481-*XC	WG481-*NC	WG481-*XD	WG481-*ND
	170-243	Heat Exchanger Assembly 75K	X	х				
1	170-245	Heat Exchanger Assembly 100K			x I	x		
1	170-246	Heat Exchanger Assembly 125K	i i				х	X
2	113-268	Manifold Bracket	X	Х	х	Х	Х	X
3	S141-272	Tube Center Support	X	X				
3	S141-273	Tube Center Support	:		X	X		
3	S141-274	Tube Center Support					x	x
4	8402-115	Limit Control L280-30	X	X	х	Х		\square
4	8402-116	Limit Control L300-30					х	X
5	9010-083	NOx Screen		3		4		5
6	1921-025-4600	46" Glas-Tak Tape	X	X	Х	х	X	X
7	168-126	Collector Box	X	X				
7	168-127	Collector Box			X	x		
7	168-128	Collector Box					X	X
8	1921-044	Gasket Set	X	Х	Х	Х	X	X
9	5809-013	3" Cast Inducer Transition	X	Х	Х	X ·	Х	X
10	5809-017	3.031" x 4.625" Transition	X	Х	X	Х	X	X
11	9010-079	Orifice 2.40mm (.0960 dia.)	3	3	4	4	5	5
11	9010-082	Orifice 2.30mm (10% derate)	3	3	4	4	5	5
12	1012-314	U Clip Fastener	4	4	4	4	4	4
13	163-042	Burner Box	X	X				
13	163-044	Burner Box			X	X		
13	163-046	Burner Box					X	X
14	141-268	Flame Rollout Support	X	Х				
14	141-269	Fiame Rollout Support			X	X		
14	141-270	Flame Rollout Support					X	X
15	8402-124	Flame Rollout Switch L270	X	X	X	Х	X	X
16	9010-078	In-Shot Burner 2.5 x 4.5	3	3	4	4	5	5
17	163-041	Burner Support	X	Х				
17	163-043	Burner Support			X	X		
17	163-045	Burner Support					X	X
18	8554-024	DSI Spark Igniter	Х	Х	Х	Х	Х	X
19	8554-025	Flame Sensor	Х	Х	Х	Х	X	X
20	5618-054	3-Hole Gas Manifold - 1/2"	X	Х				
20	581 8-05 5	4-Hole Gas Manifold - 1/2"			X	х		
_20	5818-056	5-Hole Gas Manifold - 1/2"					Х	X
21	5651-160	Natural Gas Valve 1/2 x 1/2	X	Х	X	X	×	X

Refer to drawing on Page 13

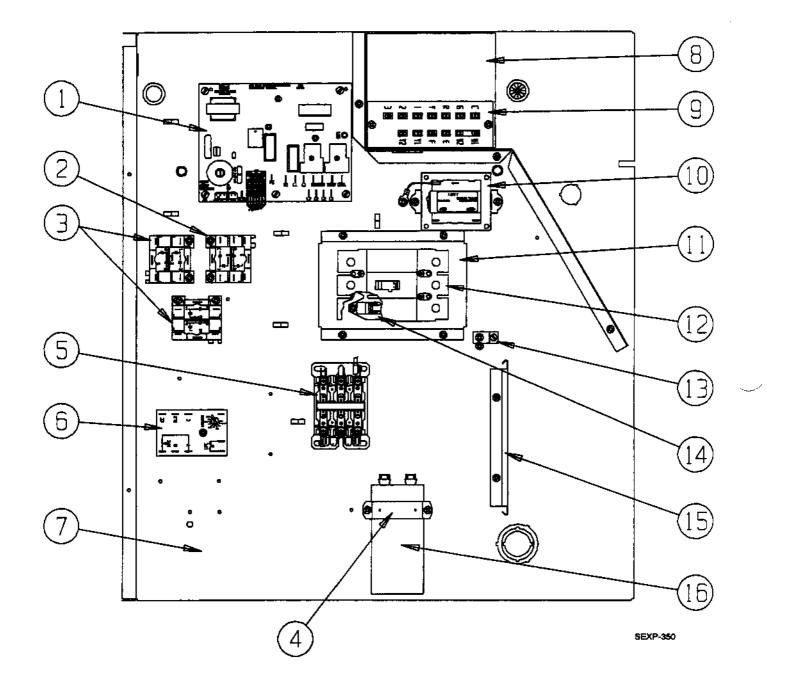
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Dwg			WG601-*XB	WG601-*NB	WG601-*XC	WG601-*NC	WG601-*XD	WG601-*ND
No.	Part No.	Description	ž	ž	ž	Ă	ž	Ň
1	170-243	Heat Exchanger Assembly 75K	X	X	1	1	1	
1	170-245	Heat Exchanger Assembly 100K			X	X		
1	170-246	Heat Exchanger Assembly 125K					x	x
2	113-268	Manifold Bracket	X	X	X	x	X	X
3	\$141-272	Tube Center Support	X	X			<u> </u>	
3	S141-273	Tube Center Support			Iх	x		
3	S141-274	Tube Center Support					x	x
4	8402-115	Limit Control L280-30	X	X	x	X		
4	8402-116	Limit Control L300-30					x	x
5	9010-083	NOx Screen		3		4		5
6	1921-025-4600	46" Glas-Tak Tape	X	X	X	x	X	X
7	168-126	Collector Box	X	X		1		<u> </u>
7	168-127	Collector Box			x	x		
7	168-128	Collector Box					X	x
8	1921-044	Gasket Set	X	X	x	X	X	X
9	5809-013	3" Cast Inducer Transition	X	X	X	X	X	X
10	5809-017	3.031" x 4.625" Transition	X	X	X	X	X	X
11	9010-079	Orifice 2.40mm (.0960 dia.)	3	3	4	4	5	5
11	9010-082	Orifice 2.30mm (10% derate)	3	3	4	4	5	5
12	1012-314	U Clip Fastener	4	4	4	4	4	4
13	163-042	Burner Box	X	х				
13	163-044	Burner Box			x	x		
13	163-046	Burner Box					x	x
14	141-268	Flame Rollout Support	X	X				
14	141-269	Flame Rollout Support			x	x		
14	141-270	Flame Rollout Support					x	x
15	8402-124	Flame Rollout Switch L270	X	Х	X	X	X	X
16	9010-078	In-Shot Burner 2.5 x 4.5	3	3	4	4	5	5
17	163-041	Burner Support	X	X				
17	163-043	Burner Support			х	x		
17	163-045	Burner Support			-	_	х	x
18	8554-024	DSI Spark Igniter	X	х	Х	X	X	X
19	8554-025	Flame Sensor	X	X	X	X	X	X
20	5818-054	3-Hole Gas Manifold - 1/2"	X	X				
20	5818-055	4-Hole Gas Manifold - 1/2"			x	х		i
20	5818-056	5-Hole Gas Manifold - 1/2"					x	×
21	5651-160	Natural Gas Valve 1/2 x 1/2	X	X	X	х	X	X

Refer to drawing on Page 13

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CONTROL PANEL



CONTROL PANEL

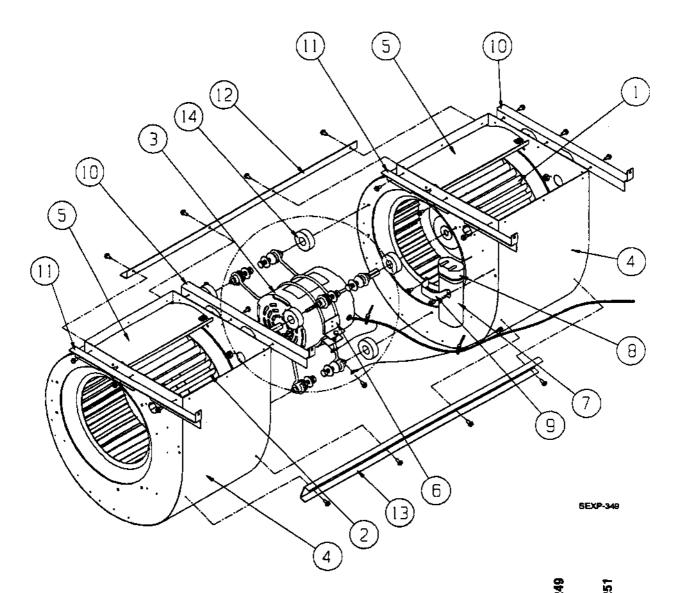
Dwg			902-1092	902-1093	902-1094	902-1095	902-1096	902-1097	902-1098	902-1099	902-1100
No.	Part No.	Description	902	902	902	902	902	902	902	902	902
1	5651-159	Integrated Furnace Control	X	X	X	X	X	X	X	X	X
2	8201-090	460 Volt Relay DPDT			X			X			X
3	8201-032	460 Volt Relay SPDT			2			2		1	2
4	8550-008	Capacitor Bracket	X			X			X	1	
4	8550-003	Capacitor Bracket		x	x		x	x		X	X
5	8401-025	Compressor Contactor, 2 Pole, 40A	X			X			X		
5	8401-002	Compressor Contactor, 3 Pole, 25A		X	x		x	x		X	X
6	8201-088	Compressor Control Module	X	х	Х	X	Х	х	X	X	X
7	517-233	Control Panel	X	Х	Х	X	Х	х	X	X	X
8	117-234	Low Voltage Box	X	X	х	X	X	х	X	X	X
9	8607-024	Terminal Strip	X	X	X	X	X	х	X	x	X
10	8407-035	Transformer 55 VA	X	Х		Х	Х		х	X	
10	8407-050	Transformer 65 VA	[x			X			x
11	113-269	Circuit Breaker Mounting Base	X	X	Х	X	Х	Х	х	X	X
12	8615-039	Circuit Breaker, 45A, 2-Pole	X								
12	8615-042	Circuit Breaker, 35A, 3-Pole		X			x				
12	8615-062	Circuit Breaker, 15A, 3-Pole			х						1
12	8615-040	Circuit Breaker, 50A, 2-Pole	1			x		x			1
12	8615-041	Circuit Breaker, 60A, 2-pole	[.						X		F
12	8615-044	Circuit Breaker, 45A, 3-Pole								X	1
12	8615-063	Circuit Breaker, 20A, 3-pole									x
_ 13	8611-006	Ground Terminal	X	Х	X	X	Х	X	Х	Х	X
14	8615-057	Circuit Breaker Mounting Feet	2	2		2	2		2	2	
14	8605-008	Circuit Breaker Mounting Feet			X			X			X
15	135-130	Wire Shield	X	X	X	Х	Х	Х	Х	Х	X
16	8552-055	Capacitor 40+10 mfd 440 V	X			X					
16	8552-005	Capacitor 10 mfd 370 V		X	X		X	X		X	
16	8552-058	Capacitor 80+10 mfd 440 V							X		
NS	4085-118	Wiring Diagram	X								
NS	4085-218	Wiring Diagram		X							
NS	4085-315	Wiring Diagram			X						
NS	4085-120	Wiring Diagram				X			X		
NS	4085-220	Wiring Diagram					X			X	
NS	4085-317	Wiring Diagram						Х			X

NS- Not Shown

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BLOWER ASSEMBLY



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Dwg. No.	Part No.	Description	900-2-	900-2
1	5152-012	Blower Wheel 10-8		X
2	5152-011	Blower Wheel 10-8	X	X
3	8106-038	Motor 230/208 V	X	<u> </u>
3	8106-039	Motor 460 V		X
4	151-101	Blower Housing	2	2
5	144-166	Diffuser	2	2
6	8200-040	Motor Mount	· X ·	X
7	8552-005	Capacitor 10 mfd 370V	X	X
8	8611-002	Capacitor Boot	- · · · X	X
9	8550-003	Capacitor Bracket	X	X
10	105X1075	Angle - Right	2	2
11	105Y1075	Angle - Left	2	2
12	105-881	Angle - Back	X	X
13	165-564	Channel - Front	X	X
14	5451-011	Grommets	3	3