



Models - 8670-2BGA-220, 8670-2GA-220V
& 8670-2WBGA-220

Page 2	Product Information
Page 3	Specifications
Page 4	Important Safety Instructions
Page 5	Product Dimensions
Page 6-11	Installation
Page 12	Timer Set-Up
Page 13	Operating Instructions & Maintenance
Page 13-14	Troubleshooting
Page 15-20	Parts List
Page 21	Wiring Diagrams



PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL#:_____

SERIAL#:_____

KEY NUMBER(S):_____

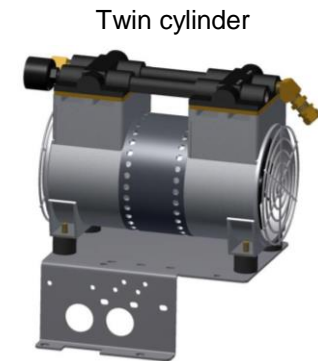
DATE PURCHASED:_____

DISTRIBUTOR:_____

**J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com**

Specifications

<u>Unit specifications:</u>	8670 SERIES
Voltage:	220VAC, 50HZ or 60HZ
Amperage:	(1) 15 amp service is required
Compressors:	$\frac{3}{4}$ HP, twin cylinder model
Water Solenoid:	220VAC
Timer:	Infitec ASCR
Weight:	77 lbs. twin cylinder models, no packaging



DUTY CYCLE: 4 minutes on, 4 minutes off.

NOTE: "UNIT INTENDED FOR COMMERCIAL USE ONLY"

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dirt and anything that may reduce flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use near flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Products such as "Fix-A-Flat" are highly combustible and cannot be used in conjunction with air machine!

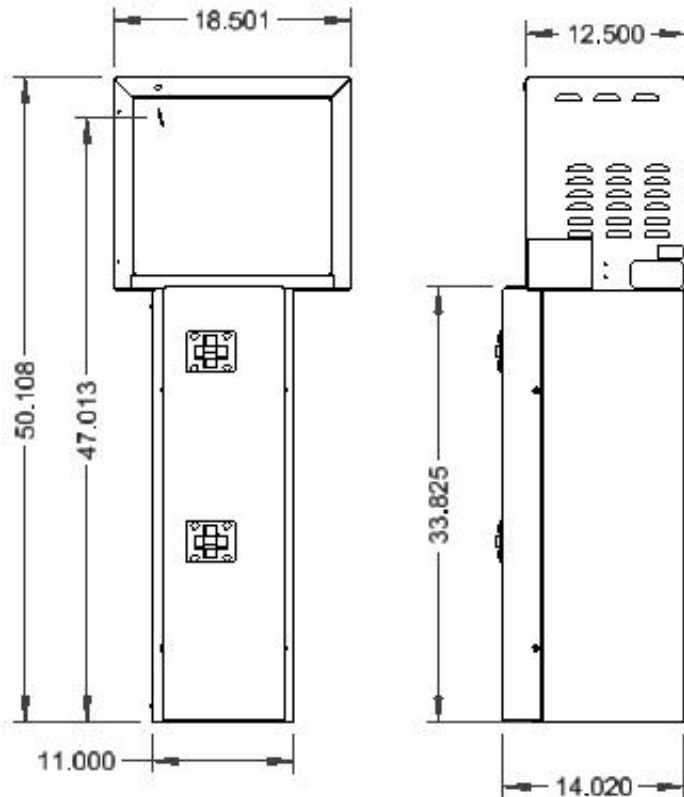


SAVE THESE INSTRUCTIONS

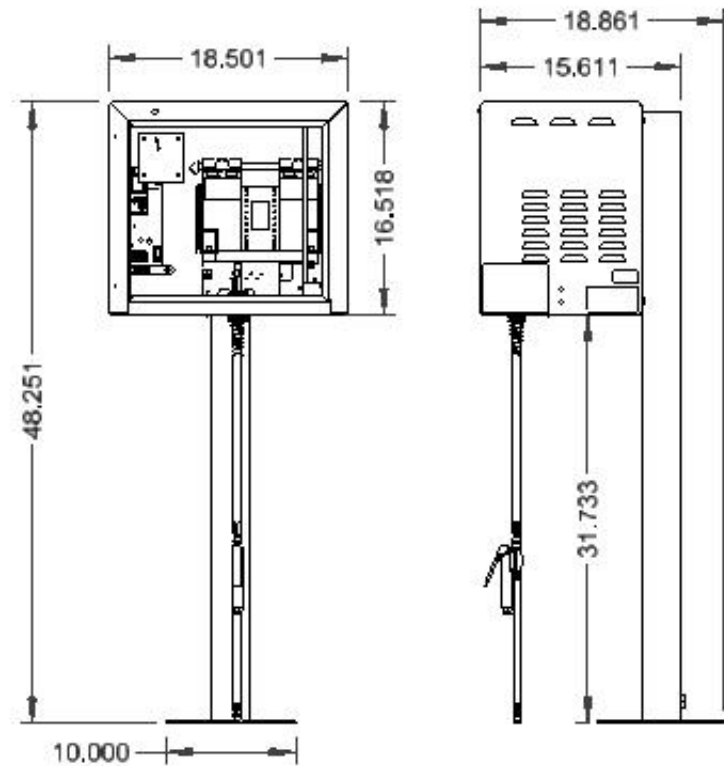


- **Installation Instructions:**
- Determine location to mount unit (**"DANGER" "THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL."**)
- Run electrical service to that location.
- **Grounding Instructions:** This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.
- Licensed plumbers are recommended for installation (water machines).

PRODUCT DIMENSIONS



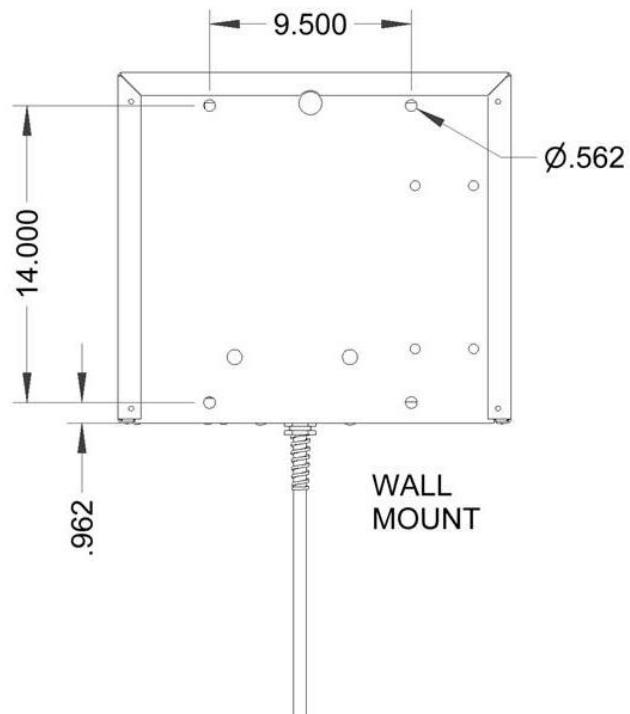
AIR/WATER MACHINE
WITH 6025 BASE.



AIR MACHINE
WITH 8819 BASE.

* For compressor less units air supply to be routed by customer to solenoid inside air machine*

Wall mounting:



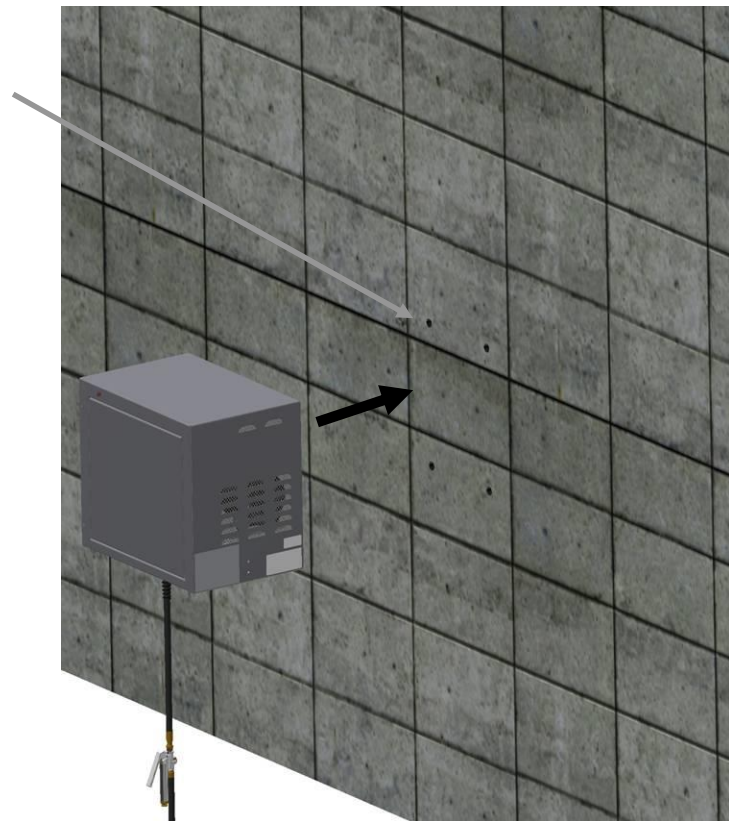
WALL MOUNTING PATTERN, REAR VIEW:

Use minimum 3/8" diameter bolt and drill/anchor at least 4" into block or concrete.

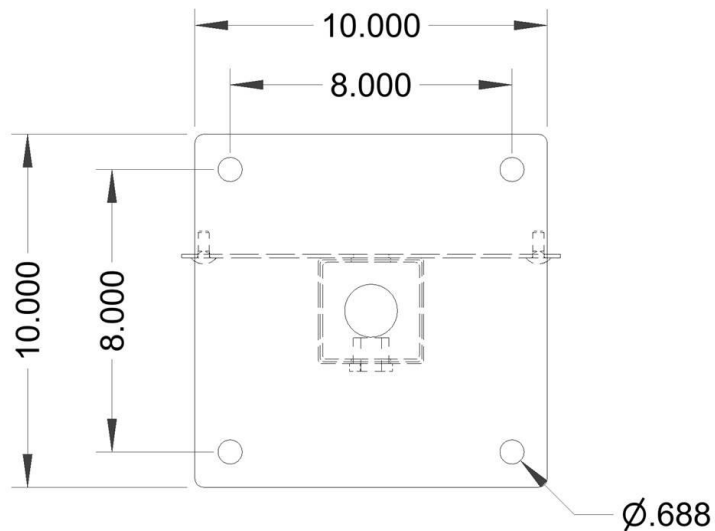
Drill holes according to rear of cabinet 9.5" x 14" bolt pattern.

After drilling holes in concrete wall for mounting, open cabinet door and lift/align cabinet to wall and fasten with customer supplied hardware.

Use two people!!



8819 pedestal mounting:



PEDESTAL MOUNTING PATTERN, BOTTOM VIEW:

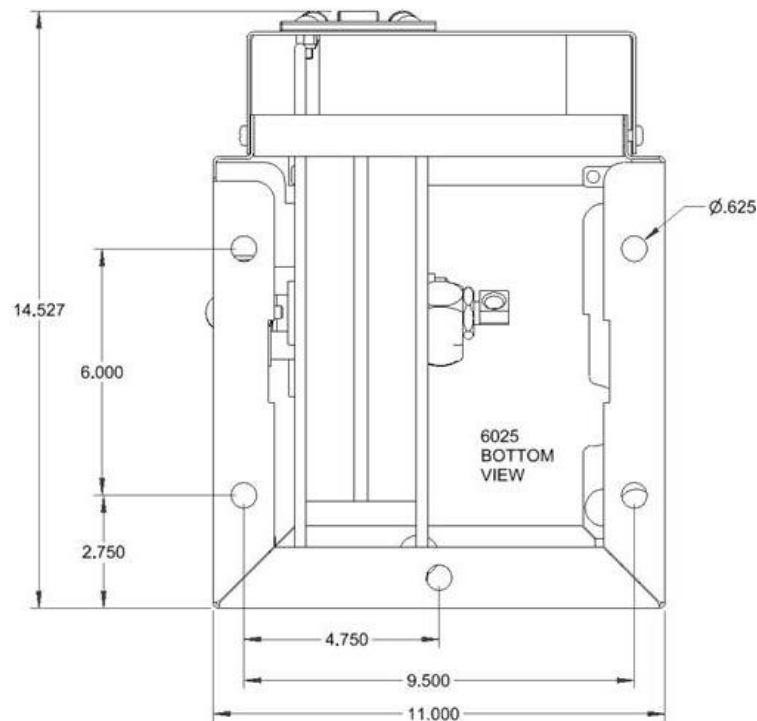
Use minimum 3/8" diameter stud and
drill/anchor at least 4" into concrete.

After mounting pedestal to concrete,
open cabinet door and lift/align cabinet to
pedestal with nuts/washers to carriage
bolts on pedestal mounting plate.

Use two people!!



6025/6026 reel base mounting:



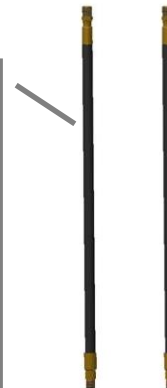
REEL BASE MOUNTING PATTERN, BOTTOM VIEW:

Use minimum 3/8" diameter stud and drill/anchor at least 4" into concrete.

After mounting reel base to concrete, open cabinet door and set air cabinet onto reel base. Fasten cabinet with bolts provided to reel base.

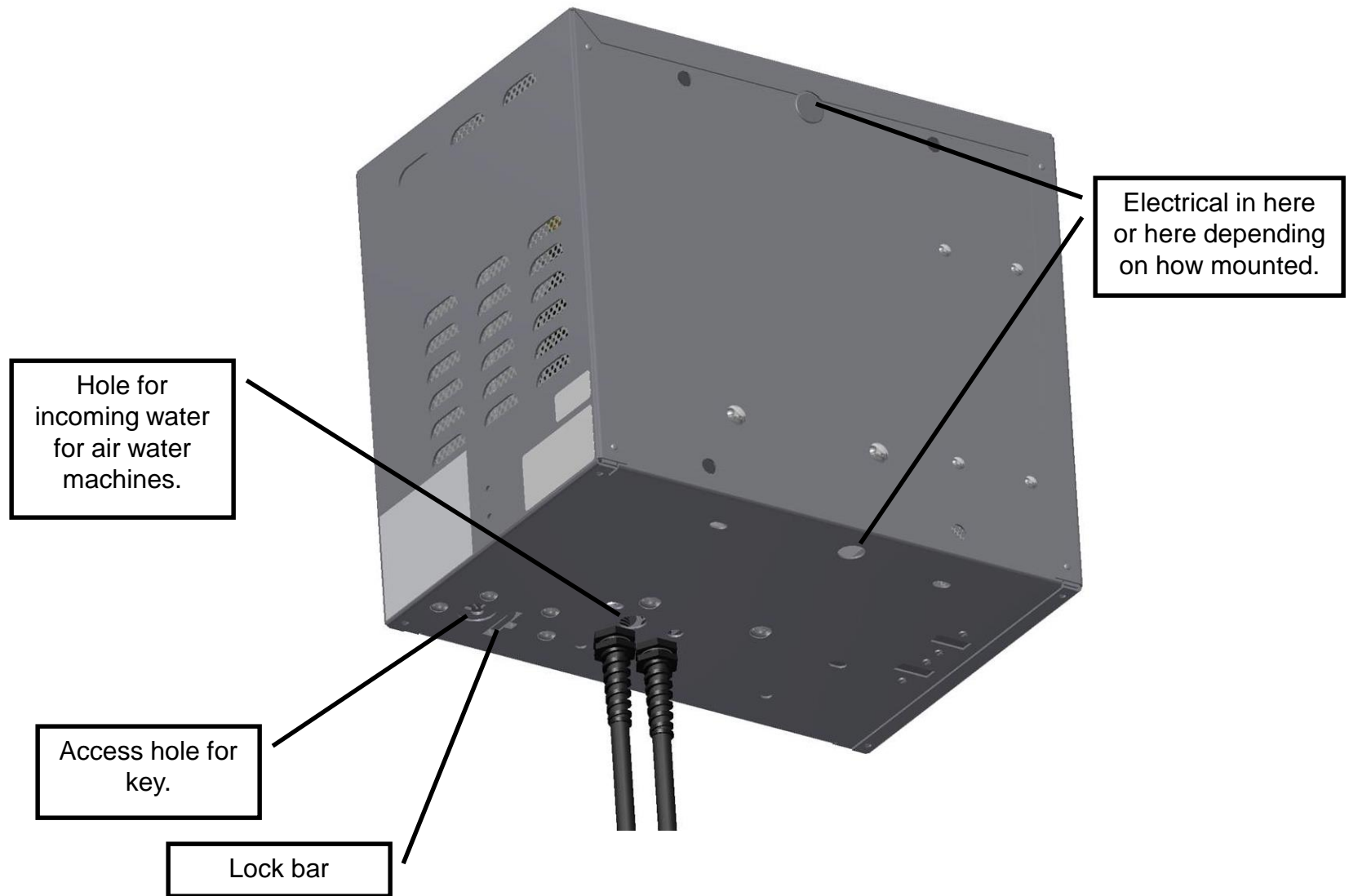
Use two people!!

Install the 8545-4 lines to the air compressor and *water solenoid* inside the air cabinet and then to the hose reels in the base.

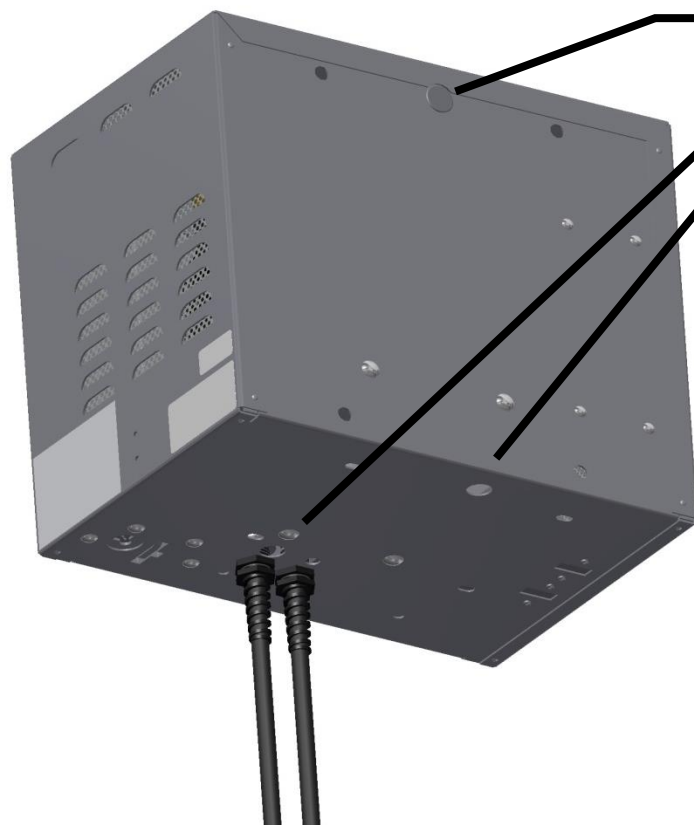


*Air/ Water machines only

8670 cabinet:



Customer supplied compressor:



Incoming electrical, air line, or water supply can enter cabinet in several locations depending on installation method.



Incoming air or water line is connected to the brass solenoid (1/4" NPT) which is activated when the timer is sending power.

Electrical:

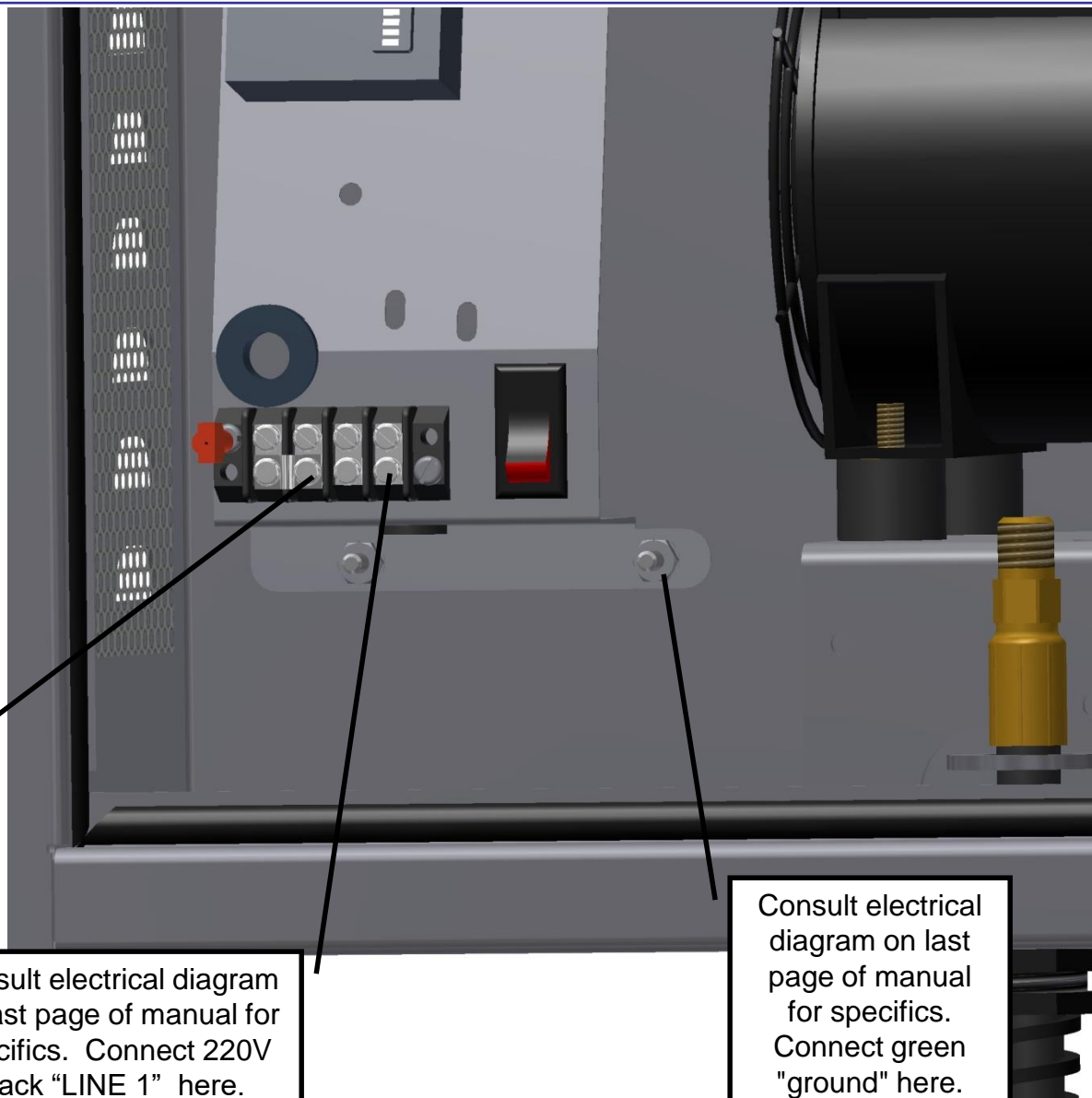
Open door to air machine
to access terminal strip.

**NOTE: AIR
MACHINE
SHOULD BE
INSTALLED
PER LOCAL
ELECTRICAL
CODES BY
QUALIFIED
ELECTRICIAN.**

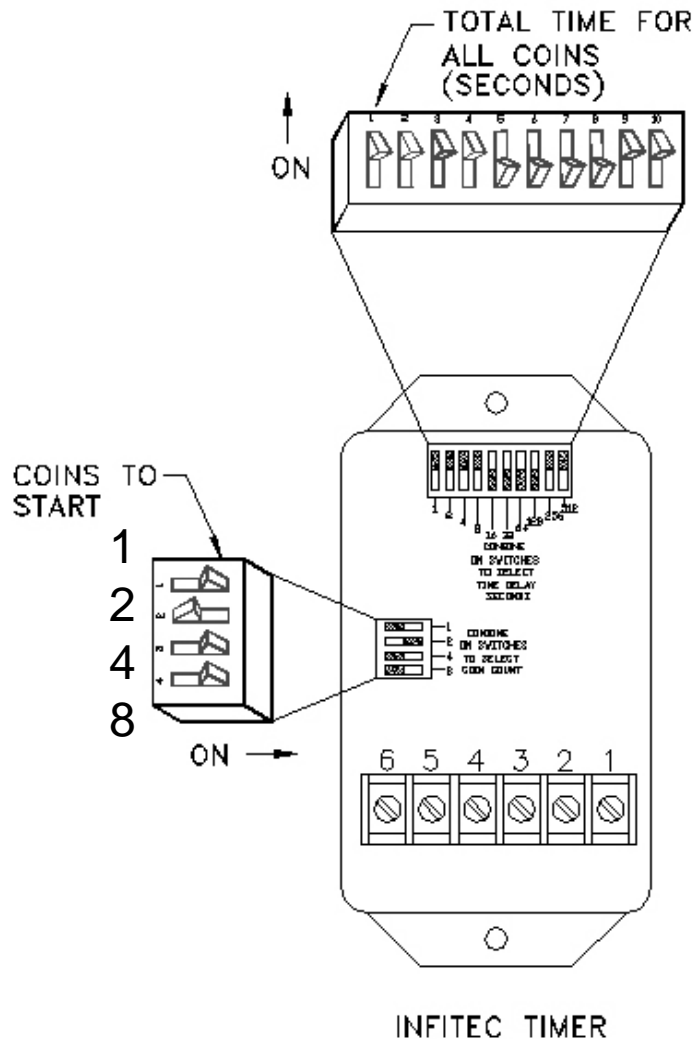
Consult electrical
diagram on last
page of manual
for specifics.
Connect 220V red
"LINE 2" here.

Consult electrical diagram
on last page of manual for
specifics. Connect 220V
black "LINE 1" here.

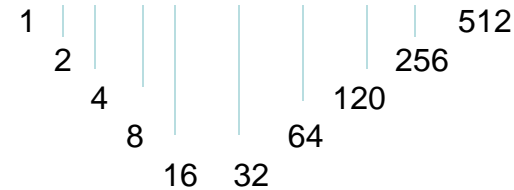
Consult electrical
diagram on last
page of manual
for specifics.
Connect green
"ground" here.



Programming:



Time is in seconds per total coins
From left to right on top dip switches



To set timer select the number of coins to start. Next select the total time for unit to run. This is not an accumulating timer so it must be set for total time.

Example: 4 coins @ 2 minutes
Turn the 4 coins on and the 120 seconds on.

Machine Operating Instructions:

- 1) Read safety instructions on previous pages.
- 2) Insert coins to start.
- 4) Compressor will start.
- 5) Apply chuck to tire valve stem and fill to desired pressure. NOTE: For best results, remove valve stem covers on all tires before depositing money.
- 6) Hang hose up when finished.

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Periodically inspect hose, chuck, and chuck washer for wear or fatigue.
- Every month remove filter from compressor and clean.
- Periodically inspect electrical wires and connections for wear or fatigue.
- Clean canister with a stainless steel cleaner as needed.
- Decals can be cleaned with mild soap and water.
- Replacement parts can be ordered through JE Adams or your nearest dealer.

WHEN PERFORMING MAINTENANCE OR TROUBLE-SHOOTING, TURN POWER OFF! QUALIFIED PERSONNEL ONLY!



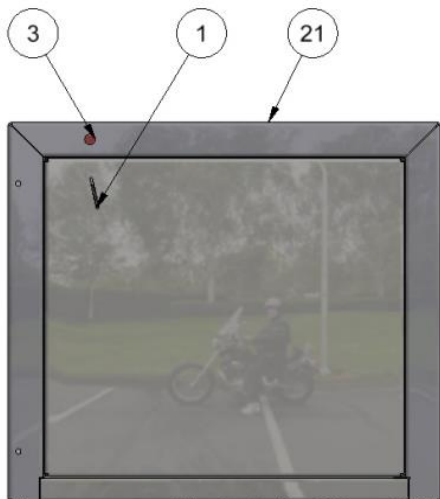
TROUBLESHOOTING:

ALWAYS DISCONNECT POWER BEFORE TROUBLESHOOTING!!

Problem	Possible cause	Solution
Unit is not powered.	Breaker inside fuse panel is not in the on position.	Turn breaker on.
	No power to machine.	Check incoming power line voltage.
	Machine power switch is not on.	Remove dome and flip switch.
	Loose connection.	Check incoming power connection.

Unit runs but will not inflate tire.	Air is leaking from unit somewhere.	Turn power off to unit, apply chuck to air source with at least 30lbs of pressure and listen carefully for leaks inside cabinet or air hose. Replace faulty component if leaking.
	If no system leaks, is compressor putting out enough pressure?	If compressor cannot force air into tire, the compressor may have exceeded its life span and need rebuilt (about 1000 hours).
	Chuck washer is worn out?	Replace rubber washer inside chuck with JE Adams PN 8533-3CW.
	Temperature is below freezing and condensation off compressor has froze in air hose.	Remove air hose and chuck and bring into warm area to thaw.
Unit keeps tripping breaker from incoming power source	Wrong size breaker or other components running on same circuit.	Install correct breaker for compressor and make sure line is a dedicated power source.
	Compressor or timer might be shorted out?	Isolate problem component and replace if necessary.
Unit will not start	Possible component failure	Check key components to isolate failure: Timer: Verify proper input voltage. Activate timer. If no output voltage is present when timer should be active, replace timer.
		Coin mech: If using a mechanical coin mech, remove the wires leading to the timer from the coin mech and tap them together one time for each coin necessary to start the timer. If machine starts, replace the coin mech.
Unit will not dispense water (water machines only).	Is source water turned on and not frozen?	Turn on water to system and make sure temperature is above 32 deg.
	Is water solenoid getting power from timer?	If getting power from timer, replace solenoid.

PART
NO. 8670-2BGA-220




BILL OF MATERIALS

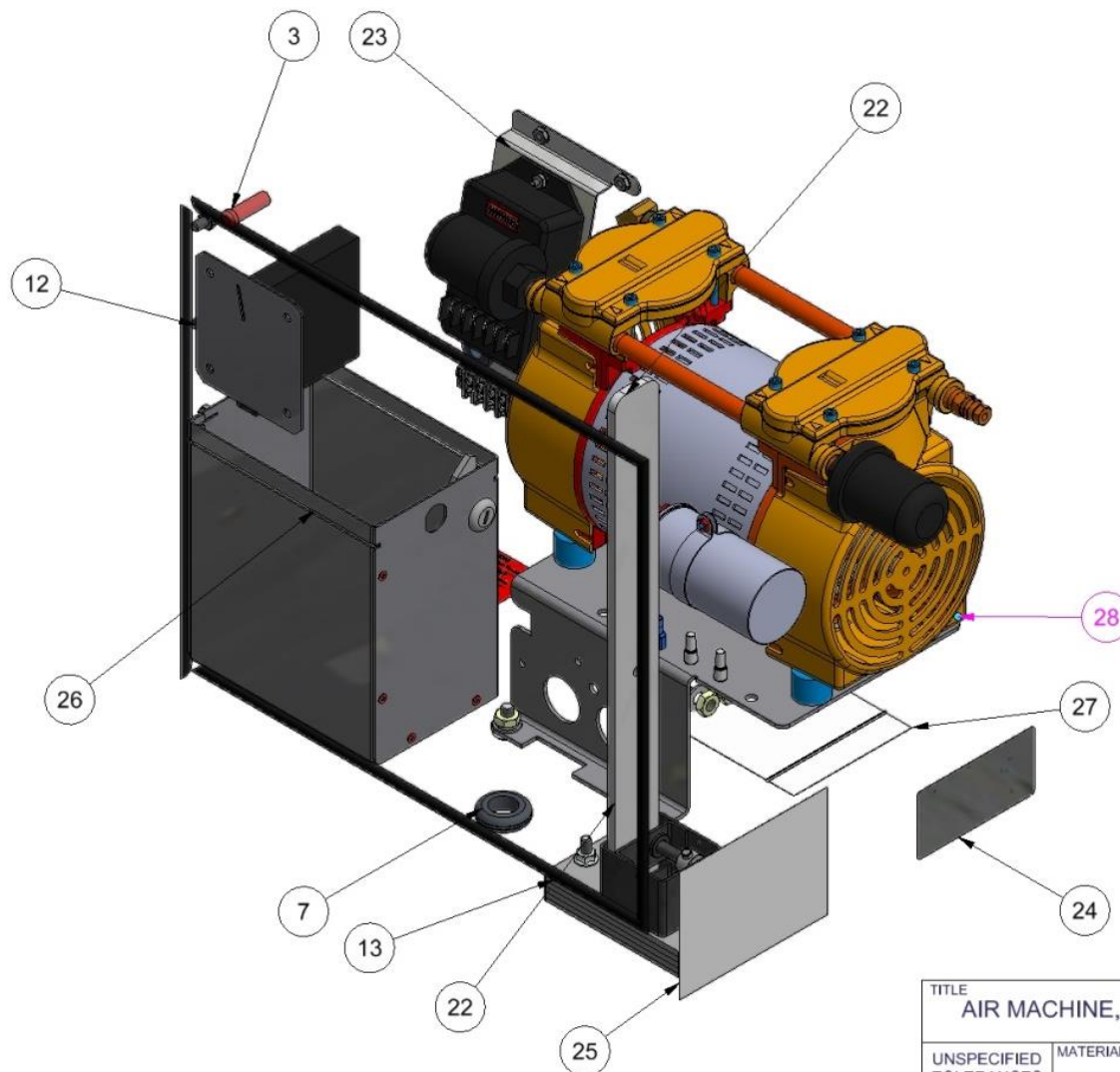
ITEM	PART NUMBER	DESCRIPTION	QTY
1	10011-3W	DOOR WELDMENT, AIR MACHINE	1
2	1079-3	GASKET	60"
3	29004-50	RED NEON LIGHT-220V 50HZ	1
4	5600D2	5/16-18 x .75 CARR BOLT	2
5	5601D8	1/4-20 x 3/8 HHCS-ZINC PLATED	5
6	5611D2	NUT, 10-24 UNC KEPP- ZINC	4
7	5639D6	RUBBER GROMMET	1
8	6408	CARDBOARD INSERT	2
9	6409	CARDBOARD BOX	1
10	8081	CABLE TIE MOUNTS	3
11	8084	CABLE TIE	5
12	8124B001	COIN ACCEPTOR, IMONEX	1
13	8155A	LOCK ASSY-W/MEDECO CAM LOCK	1
14	8157	NUT, #6-32 KEPP NUT STAINLESS	4
15	8176	DECAL, LINE-NEUTRAL-GROUND	1
16	8183	DECAL, "DISCONNECT POWER"	1
17	8430-1AKIT	DECAL KIT	1
18	8596	NUT, 5/16-18 HEX	4
19	8597	5/16 WASHER	4
20	8598	5/16 LOCK WASHER	4
21	8659-3W	WELDMENT, AIR MACHINE, JEA	1
22	8659-75-W-PLT	LOCK BAR PLATED	1
23	8673I-220V	TIMER ASSEMBLY, AIR MACHINE, INFIITEC, 220V	1
24	8732	NAMEPLATE SERIAL TAG, UL	1
25	8754	DECAL, DANGER, TRI-LING	1
26	8773-3	AIR MACHINE COIN BOX	1
27	8819KA	HARDWARE PACK, AIR MACHINES FOR BASES	1
28	9862-1A-220	ASSEMBLY, GAST COMPRESSOR 220V	1


TITLE
AIR MACHINE, BASE MOUNT MODEL, 220V GAST TWIN

B	7215	REMOVED (2) 8659-13, (4) 5627D2 AND (4) 8157	10-29-13	CK
A	7205	REMOVED 8673 AND ADDED 8673I-220V	10-24-13	CK
REV	NO.	DESCRIPTION	DATE	BY

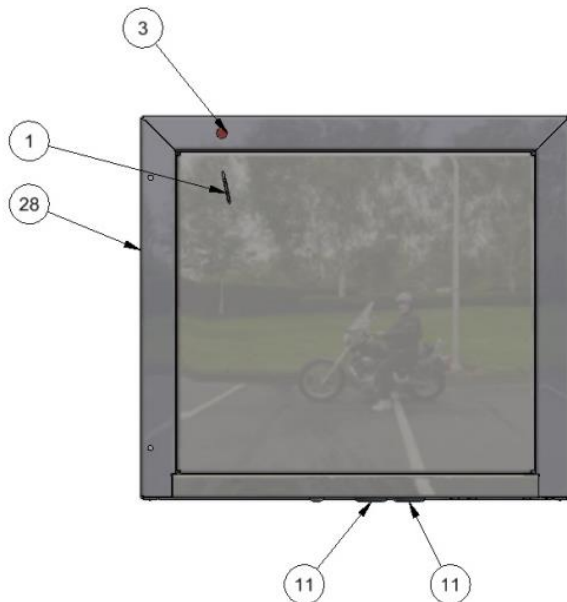
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UNSPECIFIED TOLERANCES	MATERIAL	 <p>CEDAR RAPIDS, IOWA</p>
1 PL ±.030	SCALE	
2 PL ±.010	DRAWN BY CHAD K.	
3 PL ±.003	DATE 3/14/2013	
ANGLE ±1.0°	PART NO. 8670-2BGA-220	REV. B



TITLE			
AIR MACHINE, BASE MOUNT MODEL, 220V GAST TWIN			
UNSPECIFIED TOLERANCES		MATERIAL	 CEDAR RAPIDS, IOWA
1 PL	±.030	SCALE	
2 PL	±.010	DRAWN BY	
3 PL	±.003	DATE	
ANGLE ±1.0°		3/14/2013	PART NO. 8670-2BGA-220 REV. B

REV	NO.	DESCRIPTION	DATE	BY
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES				




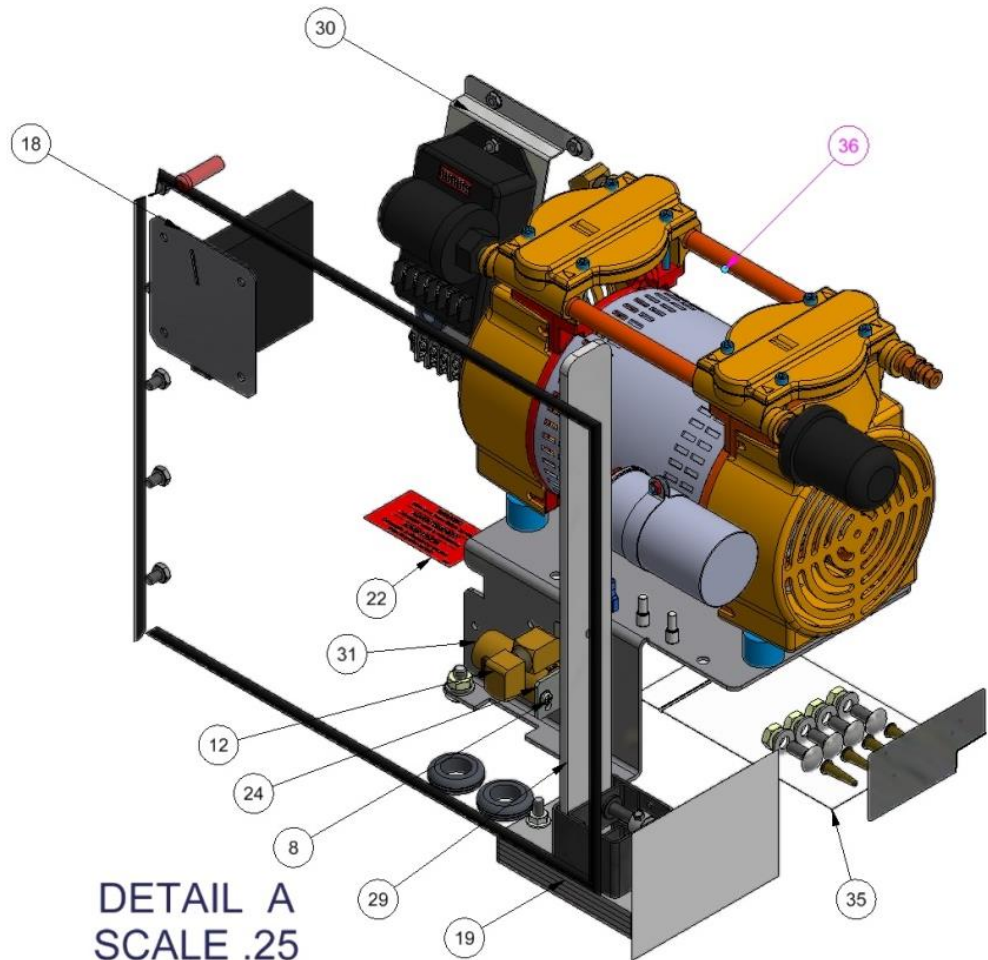
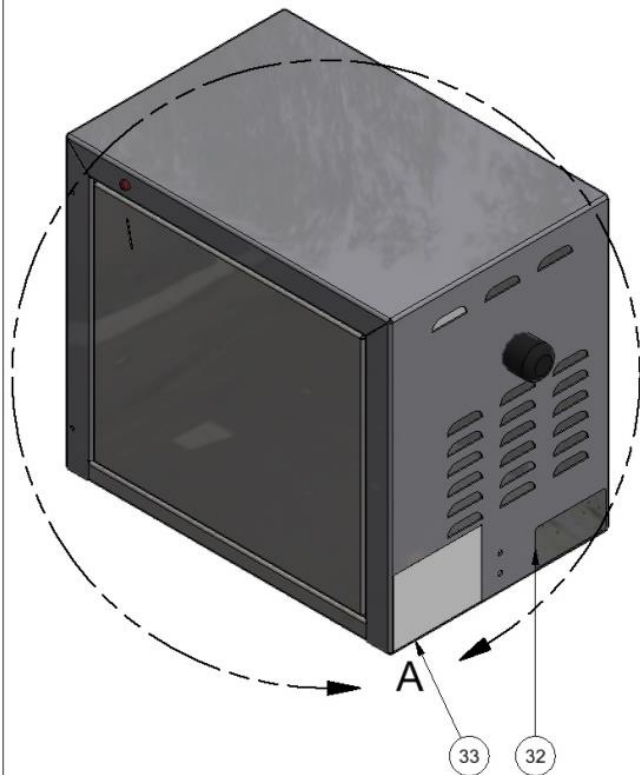
BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	10011-3W	DOOR WELDMENT, AIR MACHINE	1
2	1079-3	GASKET, RUBBER DOOR SEAL	60"
3	29004-50	RED NEON LIGHT-220V 50HZ	1
4	5600D2	5/16-18 x .75 CARR BOLT	2
5	5601D8	1/4-20 x 3/8 HHCS-ZINC PLATED	5
7	5610D1	8x32 x 1/2 SLOT SCREW	2
8	5610D2	#8-32 x 1/4 SCREW	2
9	5611D1	NUT, 8-32 UNC KEPP-ZINC PLATE	2
10	5611D2	NUT, 10-24 UNC KEPP- ZINC	4
11	5639D6	RUBBER GROMMET	2
12	5800D6	90 DEG. NPT STREET ELBOW	2
13	5900D1	CONN, FEMALE, BLUE	2
14	6408	CARDBOARD INSERT	2
15	6409	CARDBOARD BOX	1
16	8081	CABLE TIE MOUNT	3
17	8084	CABLE TIE	5
18	8124B001	COIN ACCEPTOR, IMONEX	1
19	8155A	LOCK ASSY-W/MEDECO CAM LOCK	1
20	8157	NUT, #6-32 KEPP NUT STAINLESS	4
21	8176	DECAL, LINE-NEUTRAL-GROUND	1
22	8183	DECAL, "DISCONNECT POWER"	1
23	8430-1AKIT	DECAL KIT, AIR MACHINES	1
24	8551	SOLENOID BRACKET	1
25	8596	NUT, 5/16-18 HEX	4
26	8597	5/16 WASHER	4
27	8598	5/16 LOCK WASHER	4
28	8659-3W	WELDMENT, AIR MACHINE, JEA	1
29	8659-75-W-PLT	LOCK BAR PLATED	1
30	8673I-220V	TIMER ASSEMBLY, AIR MACHINE, INFIITEC, 220V	1
31	8697-220-50	SOLENOID, 220VAC @ 50HZ	1
32	8732	NAMEPLATE SERIAL TAG, UL	1
33	8754	DECAL, DANGER, TRILING	1
34	8773-3	AIR MACHINE COIN BOX	1
35	8819KA	HARDWARE PACK, AIR MACHINES FOR BASES	1
36	9862-1A-220	ASSEMBLY, GAST COMPRESSOR 220V	1
48	5609D1	LOCK WASHER, #10 INT TOOTH, ZP	2

TITLE
AIR/WATER MACHINE, BASE MOUNT MODEL, GAST TWIN, 220VAC@50HZ


B	7215	REMOVED (2) 8659-13, (4) 5627D2 AND (4) 8157	10-29-13	CK
A	7205	REMOVED 8673 AND ADDED 8673I-220V	10-24-13	CK
REV	NO.	DESCRIPTION	DATE	BY

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UNSPECIFIED TOLERANCES	MATERIAL	
1 PL ±.030	SCALE .14 : 1	
2 PL ±.010	DRAWN BY CHAD K.	
3 PL ±.003	DATE 9/27/2013	
ANGLE ±1.0°	PART NO. 8670-2WBGA-220	REV. B



DETAIL A
SCALE .25

TITLE		AIR/WATER MACHINE, BASE MOUNT MODEL, GAST TWIN, 220VAC@50HZ	
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
	SCALE		
	DRAWN BY		
	DATE		
1 PL ±.030	CHAD K.	PART NO.	REV.
2 PL ±.010		8670-2WBGA-220	B
3 PL ±.003			
ANGLE ±1.0°	9/27/2013		

REV	NO.	DESCRIPTION	DATE	BY
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PART
NO. 8670-2GA-220V

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
33	8754	DECAL, DANGER, TRI-LING	1
34	8773-3	AIR MACHINE COIN BOX	1
35	9862-1A-220	ASSEMBLY, GAST COMPRESSOR 220V	1
36	S8670 SERIES	WIRING DIAGRAM	X
39	8180/D	WARNING, WIRE TEMP RATING	1


BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	10011-3W	DOOR WELDMENT, AIR MACHINE	1
2	1079-3	GASKET, RUBBER SEAL (DOOR)	60"
3	5600D2	5/16-18 x .75 CARR BOLT	2
4	5601D4	1/4-20 x 3/4 HHCS-SS	1
5	5601D8	1/4-20 x 3/8 HHCS-ZINC PLATED	5
6	5603D2	1/4 Std NC Nylock Nut	1
7	5606D21	WASHER, FLAT, 3/4 SAE, ID 13/16	1
8	5611D2	NUT, 10-24 UNC KEPP- ZINC	4
9	5684D2	1/2" DIA. HOSE CLAMP	1
10	5900D4	CONNECTOR, FEMALE, RED INSL .250"	1
11	6408	CARDBOARD INSERT	2
12	6409	CARDBOARD BOX	1
13	8081	CABLE TIE MOUNTS	3
14	8084	CABLE TIE, NYLON 5-3/4	5
15	8124B001	COIN ACCEPTOR, IMONEX	1
16	8155A	LOCK ASSY-W/MEDECO CAM LOCK	1
17	8157	NUT, #6-32 KEPP NUT STAINLESS	4
18	8176	DECAL, LINE-NEUTRAL-GROUND	1
19	8183	DECAL, "DISCONNECT POWER"	1
20	8430-1AKIT	DECAL KIT, AIR MACHINE	1
21	8532-25	AIR HOSE ASSY, 1/4" X 25'	1
22	8533-8	TIRE INFLATOR W/ GAUGE	1
23	8549	FLEX STRAIN RELIEF	1
24	8596	NUT, 5/16-18 HEX	4
25	8597	5/16 WASHER	4
26	8598	5/16 LOCK WASHER	4
27	8659-3W	WELDMENT, AIR MACHINE, JEA	1
28	8659-75-W-PLT	LOCK BAR PLATED	1
29	8670KIT-2	HARDWARE PACK, PED AIR MACHINE	1
30	8673-9	NEON LIGHT ASSEMBLY	1
31	8673I-220V	TIMER ASSEMBLY, AIR MACHINE, INFIITEC, 220V	1
32	8732	NAMEPLATE SERIAL TAG, UL	1

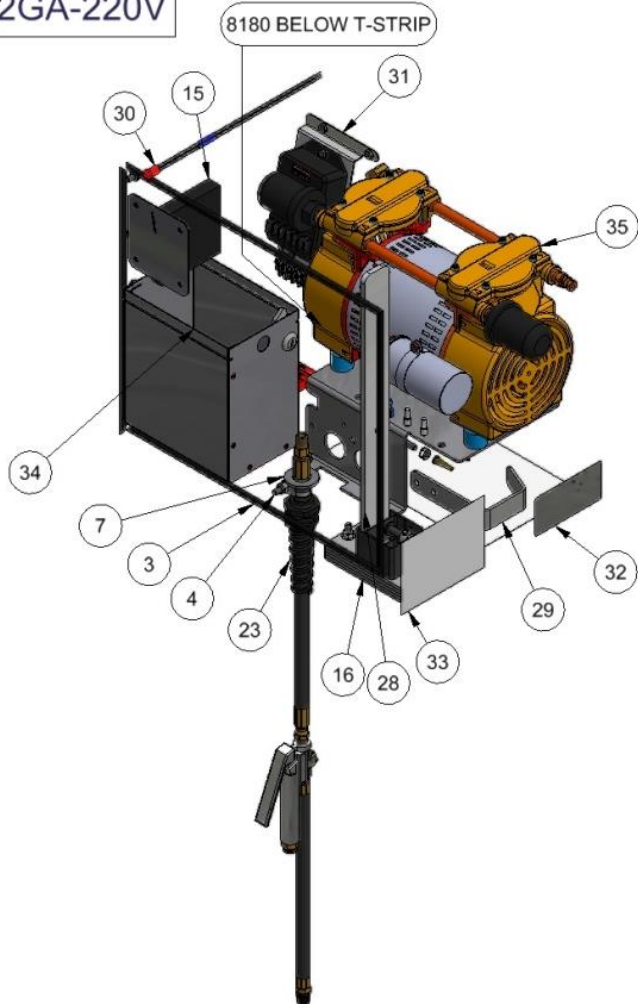


PAGE 1 OF 2


D	7596	ADD 8180 DECAL NEAR TERMINAL STRIP	102315	JF
C	7215	REMOVED (2) 8659-13, (4) 5627D2 AND (4) 8157	10-29-13	CK
B	6947	REMOVED 8659-75 AND 8659-75-W-PLT	5-9-12	CK
A	6792	REMOVED ALL 8687 AND 8687-1	2-6-12	CK
REV	NO.	DESCRIPTION	DATE	BY

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TITLE AIR MACHINE, PED MOUNT MODEL, GAST TWIN 220V			
UNSPECIFIED TOLERANCES 1 PL ±.030 2 PL ±.010 3 PL ±.003 ANGLE ±1.0°	MATERIAL	 <p>CEDAR RAPIDS, IOWA</p>	
	SCALE		
	DRAWN BY JOHN F.		
DATE 1/18/2012		PART NO. 8670-2GA-220V	REV. D



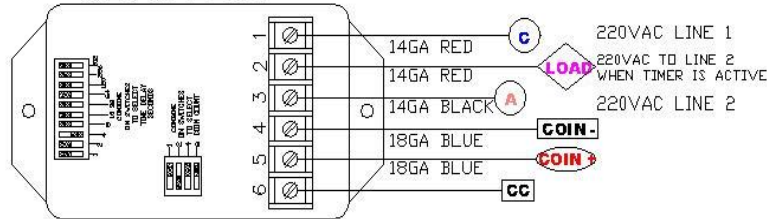
PAGE 2 OF 2

TITLE		CEDAR RAPIDS, IOWA	
AIR MACHINE, PED MOUNT MODEL, GAST TWIN 220V			
UNSPECIFIED TOLERANCES	MATERIAL		
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY JOHN F.		
3 PL ±.003	DATE 1/18/2012		
ANGLE ±1.0°		PART NO. 8670-2GA-220V	REV. D

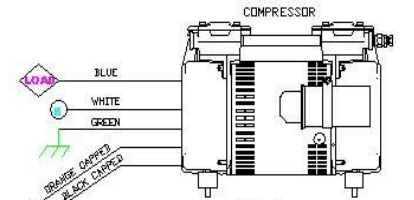
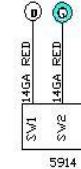
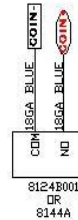
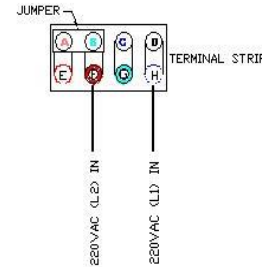
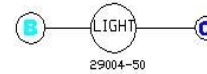
REV	NO.	DESCRIPTION	DATE	BY
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AIR STANDARD

86731-220V

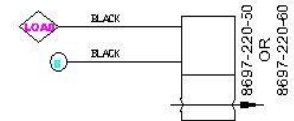


INFITEC

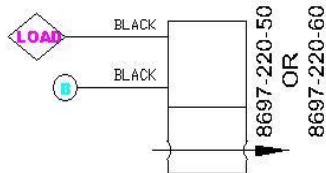


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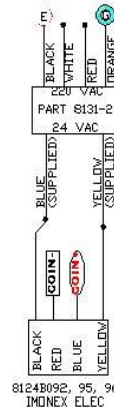
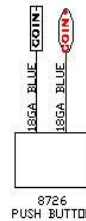
SOLENOID FOR COMPRESSOR-LESS UNITS ONLY



SOLENOID WATER OPTION



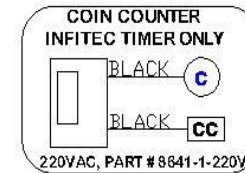
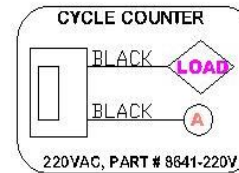
OPTIONAL ACCEPTORS INFITEC



IMPORTANT INFORMATION

!! IMPORTANT !!
FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES.
10AMP SERVICE IS REQUIRED FOR TWIN GAST UNITS

OPTIONAL COUNTERS



THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES.

PART NO. AIR MACHINE 220V



UNSPECIFIED TOLERANCES

- 1 PL ±.030
- 2 PL ±.010
- 3 PL ±.003
- ANGLE ±1.0°

TITLE				
AIR MACHINE 220V				
DRAWN BY	DATE	SCALE	REL. FOR PROD.	REV. LEVEL
CHAD K.	3-7-16	NONE		
MATERIAL		PART NO. AIR MACHINE 220V		