Models- 9225 – 9235
Commercial Vacuums


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# 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**

# PRODUCT DIMENSIONS

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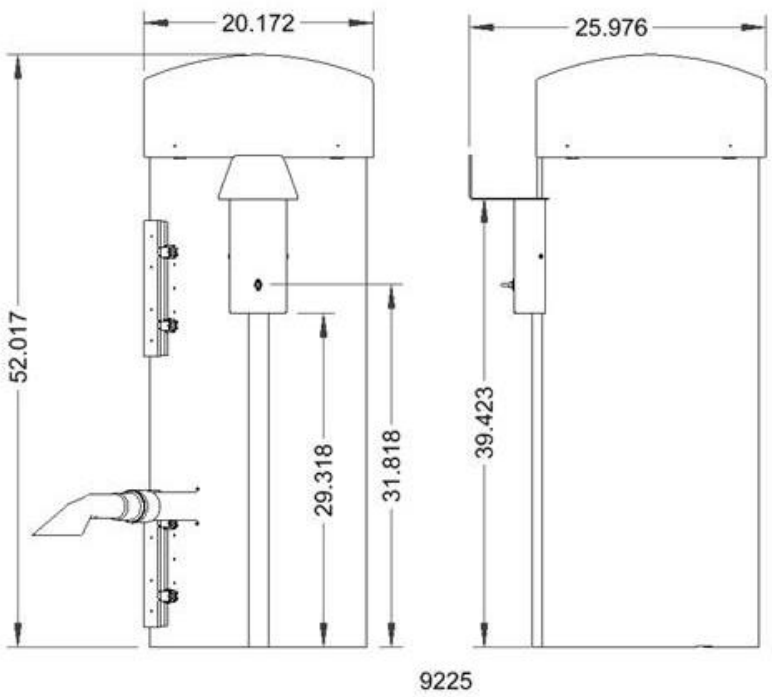
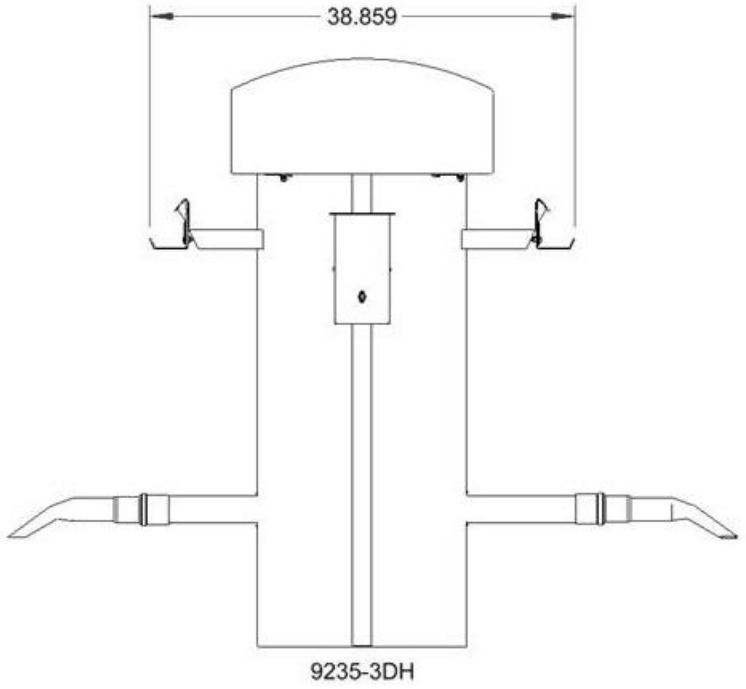



9225




9235-3DH

# Specifications

Unit specifications: *(9225, 9225-2, 9235, 9235LD)*
Voltage: 120vac, 60hz
Amperage: (1) 20 amp service is required for this unit.
Weight: 110-135 lbs with pallet attached.

2 Motor 120V Vacuum Units

Vac specifications:
Motors: (2) 120vac vacuum motors.
Fuses: (2) 10 amp inline fuses.

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Unit specifications: *(9225-3, 9235-3, 9235-3LD, 9235-3DH, 9235-3DH-WALL)*
Voltage: 120vac, 60hz
Amperage: (1) 30 amp service is required for this unit.
Weight: 140 lbs with pallet attached.

3 Motor 120V Vacuum Units

Vac specifications: *(9225-3, 9235-3, 9235-3LD, 9235-3DH, 9235-3DH-WALL)*
Motors: (3) 120vac vacuum motors.
Fuses: (3) 10 amp inline fuses.

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Unit specifications: *(9225-220V, 9235-220V, *9235-3-220V, *9235-3DH-220V)*
Voltage: 220v, 50hz
Amperage: (1) 15 amp service is required for 2 motor units, *(1) 20 amp service is required for 3 motor units.
Weight: 125-140 lbs with pallet attached.

2 & 3 Motor 220V Vacuum Units

Vac specifications:
Motors: (2) or (3) 220vac vacuum motors depending on model.
Fuses: (2) or (3) 8 amp inline fuses, depending on model.

Duty cycle time 4 minutes on, 4 minutes off.

NOTE: “UNIT INTENDED FOR COMMECIAL USE ONLY”

# IMPORTANT SAFETY INSTRUCTIONS

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

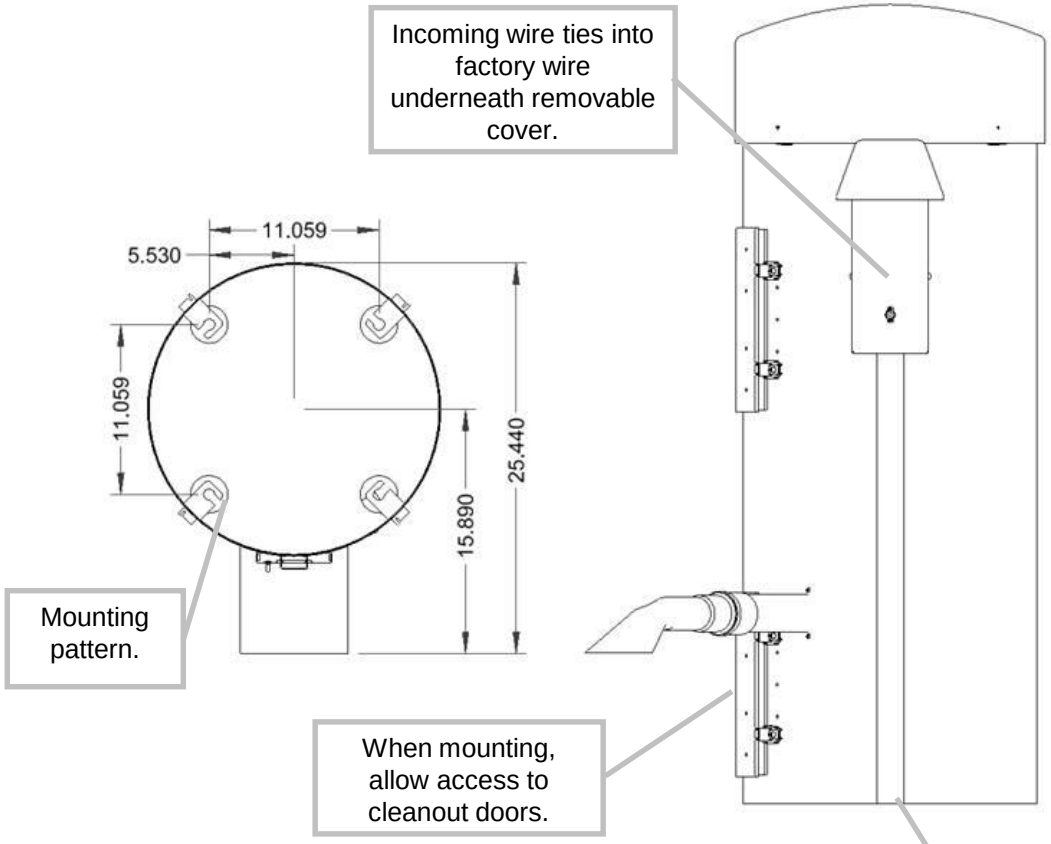
## READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

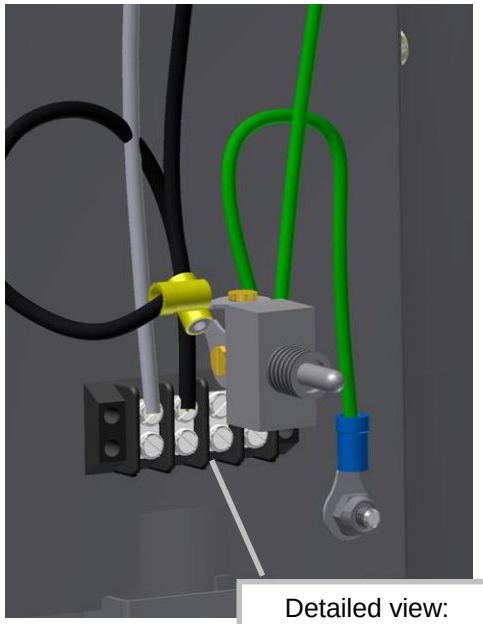
## WARNING – To reduce the risk of fire, electric shock, or injury:

- Do not use on wet surfaces.
- 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 dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.

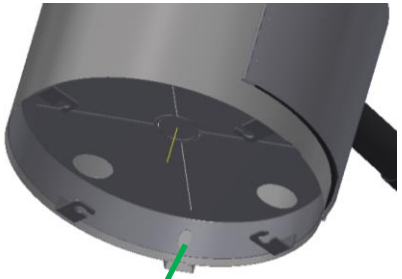
## SAVE THESE INSTRUCTIONS

- **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 *(NOTE UNIT HAS WIRE PROVIDED UNDERNEATH TO CONNECT INCOMING POWER SUPPLY)*
- **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.
- **Circuit must be protected by GFCI device.**
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.



Detailed view: incoming power to terminal strip.



Electrical service to be brought in under vacuum, near center of vacuum diameter. Then wire routed through oval hole behind service channel and up service channel.

Once unit has been installed use 5871B8 cap plugs (supplied with unit) to seal holes in canister bottom located in lower cleanout door (see illustration on subsequent page). Extra cap plugs are included with the unit in case plug becomes damaged during shipping removal. After cap plugs are installed, then connect unit to power (see below illustration). NOTE: when mounting unit, don't forget to allow clearance for clean-out door to swing open.

## Floor standing model

Remove cover and tie into factory electrical here. Note: end user must provide on/off switch.

Bring incoming power through this conduit hole.

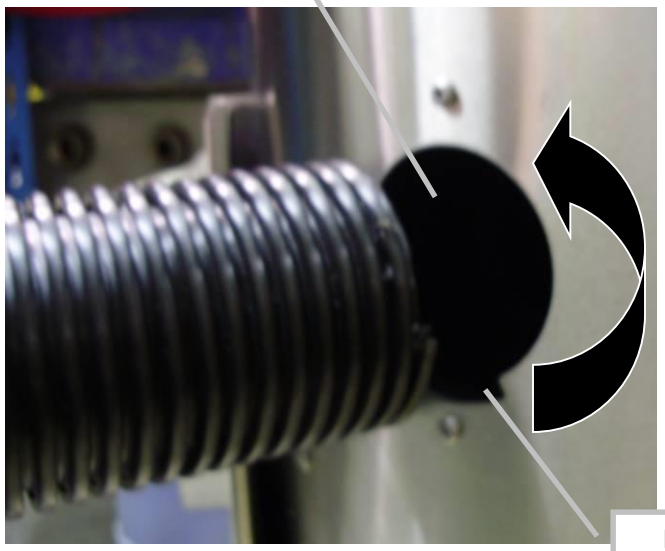
Drill 4 holes for support brackets, size according to hardware – use 5/8 diameter minimum for hardware.

Installation hardware needs to be selected by the end user as installation surfaces vary from concrete, to block, to wood walls. Height to install to is also up to the end user. Use at least two people to lift during installation.

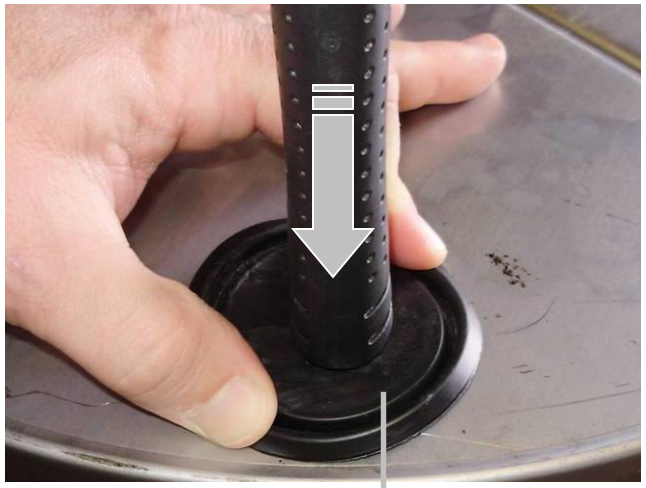
Once unit has been installed use 5871B8 cap plugs (supplied with unit) to seal holes in canister bottom located in lower cleanout door (see illustration on next page). Extra cap plugs are included with the unit in case plug becomes damaged during shipping removal. After cap plugs are installed, then connect unit to power (see below illustration). NOTE: when mounting unit, don't forget to allow clearance for clean-out door to swing open.

## Wall mount model

To attach hose, thread into metal hole counter clockwise.



Edge of hose will need to start here.

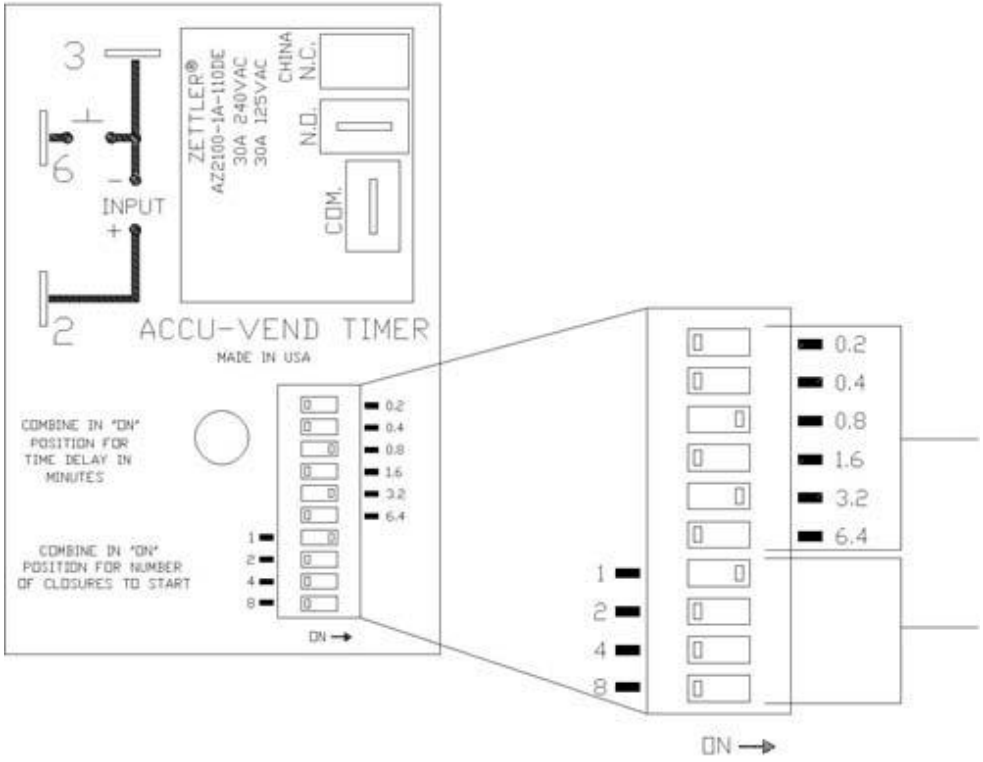


To insert 5871B8 cap plugs into bottom holes, pinch cap plug into place using index finger and thumb. With edges of plug resting against edges of hole, firmly push down on plug with end of hammer or other blunt object until plug snaps into place.

## Programming:

JE Adams commercial vacuum models typically come with an "on/off" toggle switch, but are also available with the optional push button kit which incorporates the use of a timer. The below timer pictured is the standard SSAC model that allows the end user to select the "coins to start" and the “total time" by settings series of dip switches. The number of "coins to start" dip switch is how many quarters are needed to make the machine come on. In the below example, the "one coin" dip is selected which makes the unit come on with one coin. The "total time" will then need to be set, but a good rule of thumb would be 4 minutes which requires dip switches 3.2 and .8 to be set to on. This scenario means 1 quarter will provide 4 minutes of vacuum time. The total time can always be changed by adding or subtracting time. If the operator would later decide to increase the cost of the unit to "2" quarters, the 2 dip switch would need to be in the on position (all others off) and the time dip switches would still be 3.2 and .8 dips selected for 4 minutes. Timer is non accumulating so "coins to start" setting is just to make the machine come on time and "time" is total time regardless of coins to start.

NOTE: In the case of a free vend machine that incorporates the use of a push button, COINS TO START is set at 1.




Time in minutes; dip switch settings:
0.2 = 12 seconds
0.4 = 24 seconds
0.8 = 48 seconds
1.6 = 96 seconds
3.2 = 192 seconds
6.4 = 384 seconds

Total time
(non accumulating)

Coins To Start

## Operating Instructions:

- Turn toggle switch to on position when machine needs to run, and off position when finished.
- In the case of a push button kit, press push button to activate machine. It will automatically shut off.
- Remove vacuum hose from hanger and vacuum subject accordingly. Do not vacuum wet objects or fine dust (ex – drywall dust).
- Return vacuum hose to hanger when finished.
- In the case of a dual hose model, hose claw must be returned to hanger and set against rubber pad to eliminate leaks in vacuum system. This will allow the opposite hose to have more suction while in use.

## Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Filter bags should be accessed and shaken down weekly. It is recommended to keep a new set of bags on hand so that once every few months the bags can be replaced and then laundered.
- To maintain performance, empty dirt bin from the canister on a regular basis.
- Periodically inspect wires and connections for wear or fatigue.
- Check vac hose for cracks on a weekly basis.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check motor brushes approx. every 3 months for excessive wear. Motor brushes should be changed if they are shorter than 3/8”. ***Please disconnect power before doing this.***

***DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!***

## Troubleshooting: !*DISCONNECT POWER BEFORE SERVICING OR 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. |
| | Loose connection. | Check incoming power connection. |
| Machine is behaving erratically. | Is the incoming power at 120V? | Check voltage and monitor while machine runs. Low voltage can cause erratic behavior. |
| | Are any of the machines wires worn through or connections not making contact? | Inspect wiring and connections. Look for sharp bends in wires and places where wire is against the metal chassis. |
| Unit keeps tripping breaker. | Inadequate wire size ran to machine. | Call electrician and install proper wire size for electrical service versus length or run. |
| | Wrong size breaker. | Install correct breaker (only if wire size is adequate to handle breaker). |
| Fuses for vac motors keep blowing. | Inadequate wire size ran to machine. | Call electrician and install proper wire size for electrical service versus length or run. |
| | Motor brushes may be bad or too short. | Replace motor brushes. |
| Lack of vacuum suction. | Vac hose clogged? | Clean debris from vac hose. |
| | Filter bags need cleaned or dirt chamber needs emptied? | Shake or clean filter bags or replace and empty lower dirt chamber. |
| | Vac hose is split? | Replace/repair vac hose. |
| | Cleanout door gaskets torn or worn? | Replace gaskets. |
| | Vac motor gaskets are worn or motor is not tight against. | Inspect/replace gaskets and assure motor is tight against them. |
| | Dual vac hose unit, both hoses are being used. | When both hoses are being used, suction will be lower. Double check all 3 motors are working however. |
| | Lower chamber cap plugs/mounting hole covers have popped out? | Open lower chamber and inspect plugs, order new if needed. |
| | Cleanout door gaskets torn or worn? | Replace gaskets. |
| | One of the vac motors is not working? | Check line motor fuse and replace. Replace motor if necessary. |

PART NO. 9225

BILL OF MATERIALS

| ITEM | PART NUMBER | DESCRIPTION | QTY |
|---|---|---|---|
| 31 | 8159 | DOOR GASKET | 2 |
| 32 | 8183 | DECAL, WARNING | 2 |
| 33 | 8423-2 | DECAL, DOME | 1 |
| 34 | 8427-1 | DECAL, CANISTER | 1 |
| 35 | 8429-1 | DECAL, HANG HOSE | 1 |
| 36 | 8437D001 | DECAL, ETL LISTED | 1 |
| 37 | 8505-1 | COVER, CONTROL PLATE | 1 |
| 38 | 8605 | PALLET, VAC, 26" X 30.5" | 1 |
| 39 | 8615-5W | CLEANOUT DOOR WELDMENT | 2 |
| 40 | 8631 | 11 X 55 PAD FOR VAC | 1 |
| 41 | 8673-10 | 2 MTR COMMERCIAL WIRE HARNESS | 1 |
| 42 | 9226W | CANISTER WELDMENT, 2D, COMMERCIAL | 1 |
| 43 | B5722-002 | NUT, 3/8-16 UNC HEX LOCK NUT | 4 |

BILL OF MATERIALS

| ITEM | PART NUMBER | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 1000 | BIRD SEED, 10LBS | 1 |
| 2 | 2036 | HOSE, 2" X 15' BLACK VACUUM | 1 |
| 3 | 2058 | CLAW/CUFF ASSEMBLY, 2" | 1 |
| 4 | 5600D4 | 3/8-16 X 1.5 HHCS | 4 |
| 5 | 5603D1 | 10 Std NC Nylock Nut | 1 |
| 6 | 5603D11 | 1/2 Std NF Nylock Nut | 1 |
| 7 | 5606D22 | WASHER, 3/8 FENDER | 8 |
| 8 | 5606D7 | FLAT WASHER, .160 ID X .500 OD | 1 |
| 9 | 5619D1 | SCR, HEX SOC BUT, HD CPCW, 1 | 4 |
| 10 | 5627D2 | 6-32 x .63 PD, PH, MS | 1 |
| 11 | 5636D1 | #10-24 PHIL. PAN HEAD SCREW | 2 |
| 12 | 5639D4 | RUBBER GROMMET | 1 |
| 13 | 5647D2 | 1/8" SS POP RIVET | 16 |
| 14 | 5647D8 | 3/16" SS POP RIVET | 14 |
| 15 | 5871B9 | PLASTIC VAC LID PLUG | 4 |
| 16 | 5871b8 | PLUG, VAC BOTTOM 2-1/2" | 8 |
| 17 | 5901D1 | YELLOW WIRE NUT | 2 |
| 18 | 5901D4 | ORANGE WIRE NUT | 2 |
| 19 | 6082 | BAG, 9 X 12 | 1 |
| 20 | 8047 | BAG, 60 X 72 | 1 |
| 21 | 8051G | BRACKET, MOTOR MOUNT | 1 |
| 22 | 8055EM | MOTOR, ELECTRO 120V | 2 |
| 23 | 8057 | MOTOR GASKET | 2 |
| 24 | 8076 | FILTER BAG | 4 |
| 25 | 8081 | CABLE TIE MOUNT | 2 |
| 26 | 8084 | CABLE TIE | 3 |
| 27 | 8101 | 20" STAINLESS STEEL DOME | 1 |
| 28 | 8108 | #10 x 1/2 TAP SCREW | 4 |
| 29 | 8153-1 | LATCH, CLEANOUT DOOR | 4 |
| 30 | 8157 | NUT, #6-32 KEPP NUT STAINLESS | 1 |

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|
| H | 7890 | REMOVED 8424-1 AND ADDED 8427-1 | 11-21-16 | CK |
| G | 7727 | REMOVED 5920, 8055LEAD-EM, 8221WH2, 8828 | 4-5-16 | CK |
| F | 7151 | REMOVED 8630B36 | 8-29-13 | CK |
| E | 6472 | REVISED AND REDRAWN TO INVENTOR FROM AUTOCAD | 4-26-11 | CK |

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TITLE: VAC, 2DR, COMMERCIAL

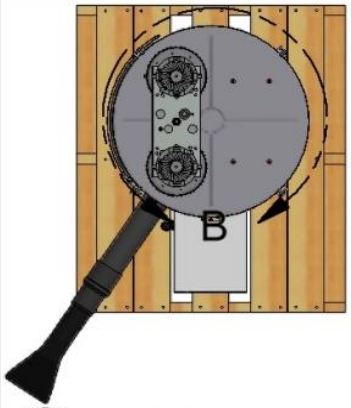
UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.010
3 PL ±.003
ANGLE ±1.0°

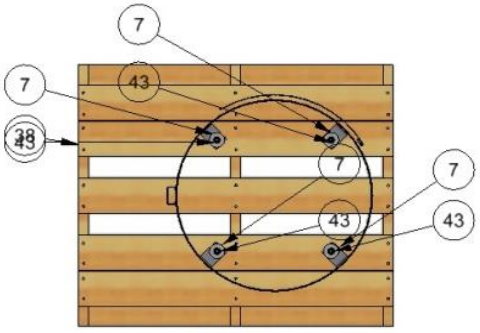
MATERIAL
SCALE
DRAWN BY: CHAD K.
DATE: 4/26/2011

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO. 9225
REV. H

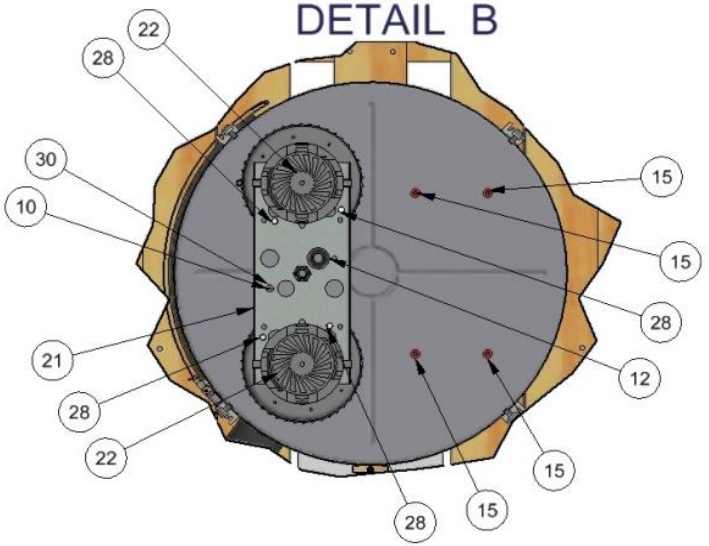
PART NO. 9225

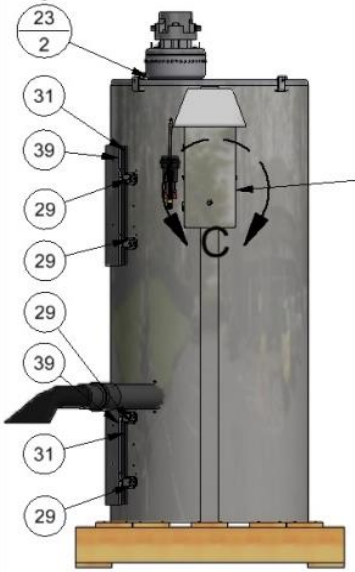


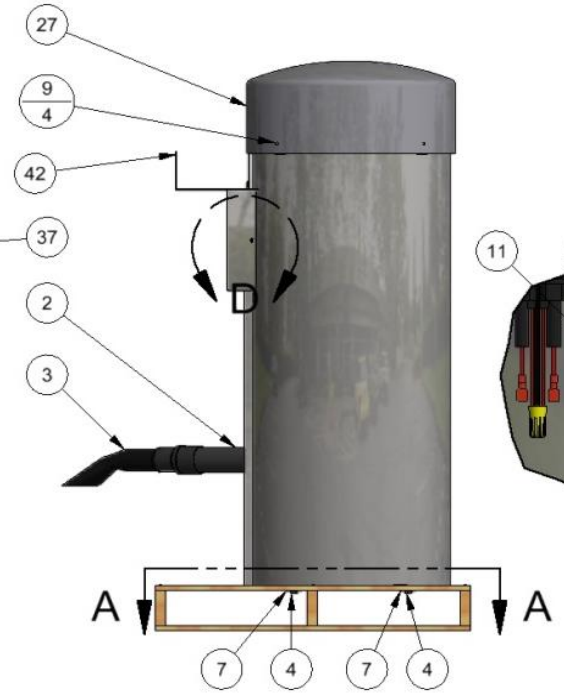



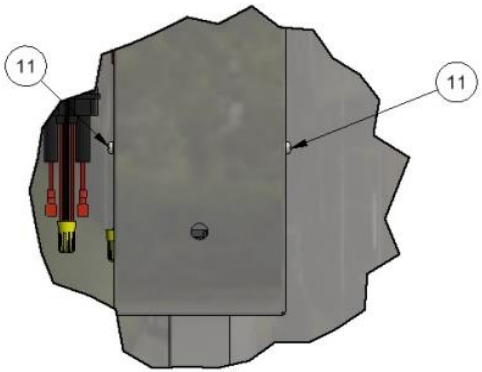

SECTION A-A

DETAIL B

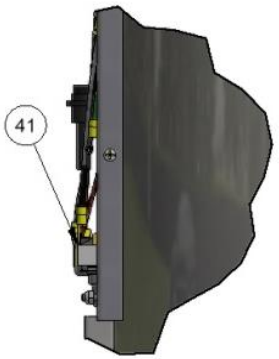



DETAIL C




DETAIL D

TITLE: VAC, 2DR, COMMERCIAL

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|

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

MATERIAL
SCALE
DRAWN BY CHAD K.
DATE 4/26/2011

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO. 9225
REV. H

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PART NO. 9235-3LD

BILL OF MATERIALS

| ITEM | PART NUMBER | DESCRIPTION | QTY |
|---|---|---|---|
| 32 | 8543K-3 | 3 MOTOR LIGHT KIT | 1 |
| 33 | 8605 | PALLET, VAC, 26" X 30.5" | 1 |
| 34 | 8615-5W | CLEANOUT DOOR WELDMENT | 2 |
| 35 | 8631 | 11 X 55 PAD FOR VAC | 1 |
| 36 | 8673-10-3 | 3 MTR COMMERCIAL WIRE HARNESS | 1 |
| 37 | 8732 | NAMEPLATE, PRODUCT SPEC'S | 1 |
| 38 | 8754 | WARNING DECAL | 1 |
| 39 | 8925 | FLOURESCENT BULB | 3 |
| 40 | 9236-3W | CANISTER WELDMENT, 2D, 3 MTR COMMERCIAL | 1 |
| 41 | B5722-002 | NUT, 3/8-16 UNC HEX LOCK NUT | 4 |

BILL OF MATERIALS

| ITEM | PART NUMBER | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 1000 | BIRD SEED, 10LBS | 1 |
| 2 | 2036 | HOSE, 2" X 15' BLACK VACUUM | 1 |
| 3 | 2058 | CLAW/CUFF ASSEMBLY, 2" | 1 |
| 4 | 5600D4 | 3/8-16 X 1.5 HHCS | 4 |
| 5 | 5601D13 | SCR,1/4-20x1/2 PPHSqConeStepZP | 4 |
| 6 | 5603D1 | 10 Std NC Nylock Nut | 1 |
| 7 | 5603D11 | 1/2 Std NF Nylock Nut | 1 |
| 8 | 5606D22 | WASHER, 3/8 FENDER | 8 |
| 9 | 5606D7 | FLAT WASHER, .160 ID X .500 OD | 1 |
| 10 | 5627D2 | 6-32 x .63 PD, PH, MS | 1 |
| 11 | 5636D1 | #10-24 PHIL. PAN HEAD SCREW | 2 |
| 12 | 5647D2 | 1/8" SS POP RIVET | 16 |
| 13 | 5647D8 | 3/16" SS POP RIVET | 14 |
| 14 | 5871b8 | PLUG, VAC BOTTOM 2-1/2" | 8 |
| 15 | 6082 | BAG, 9 X 12 | 1 |
| 16 | 8047 | BAG, 60 X 72 | 1 |
| 17 | 8055EM | MOTOR, ELECTRO 120V | 3 |
| 18 | 8057 | MOTOR GASKET | 3 |
| 19 | 8076 | FILTER BAG | 4 |
| 20 | 8081 | CABLE TIE MOUNT | 2 |
| 21 | 8084 | CABLE TIE | 3 |
| 22 | 8108 | #10 x 1/2 TAP SCREW | 6 |
| 23 | 8153-1 | LATCH, CLEANOUT DOOR | 4 |
| 24 | 8157 | NUT, #6-32 KEPP NUT STAINLESS | 1 |
| 25 | 8159 | DOOR GASKET | 2 |
| 26 | 8183 | DECAL, WARNING | 2 |
| 27 | 8306 | 24" PLASTIC DOME | 1 |
| 28 | 8427-1 | DECAL, CANISTER | 1 |
| 29 | 8429-1 | DECAL, HANG HOSE | 1 |
| 30 | 8437D001 | DECAL, ETL LISTED | 1 |
| 31 | 8505-1 | COVER, CONTROL PLATE | 1 |

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|
| C | 7890 | REMOVED 8424-1 AND ADDED 8427-1 | 11-22-16 | CK |
| B | 7727 | REMOVED 5920, 8221WH3, 8828 | 4-5-16 | CK |
| A | 6486 | REVISED AND DRAWN TO INVENTOR; NO PREVIOUS DRAWING | 4-29-11 | CK |

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TITLE: VAC, 2DR, 3 MOTOR COMMERCIAL, LD

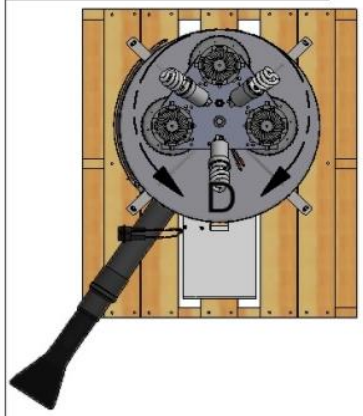
UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.010
3 PL ±.003
ANGLE ±1.0°

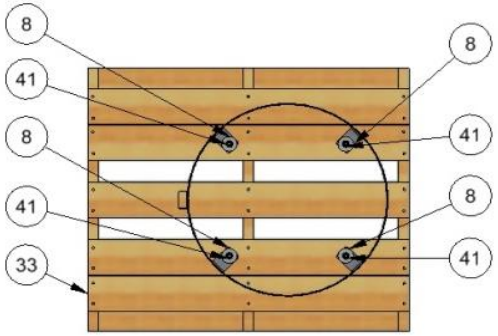
MATERIAL
SCALE
DRAWN BY CHAD K.
DATE 4/29/2011

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO. 9235-3LD
REV. C

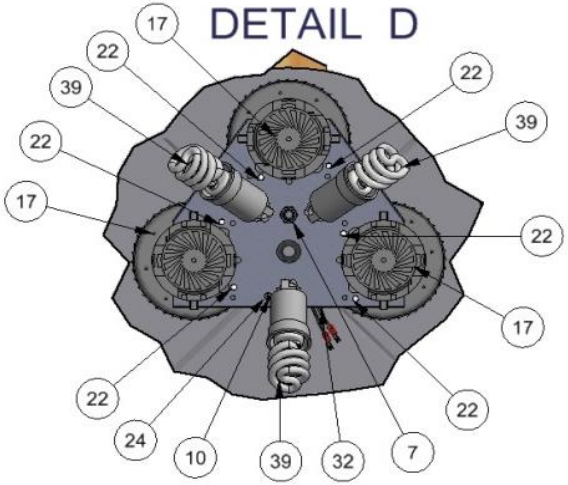
PART NO. 9235-3LD

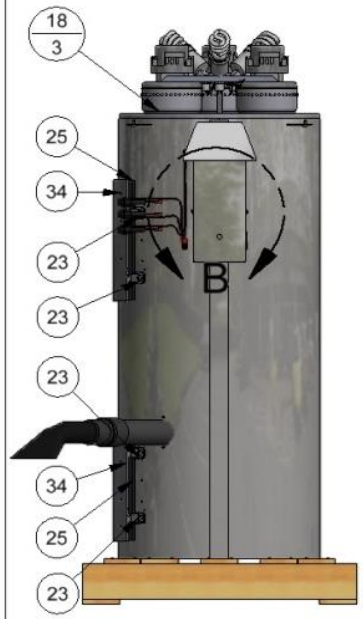


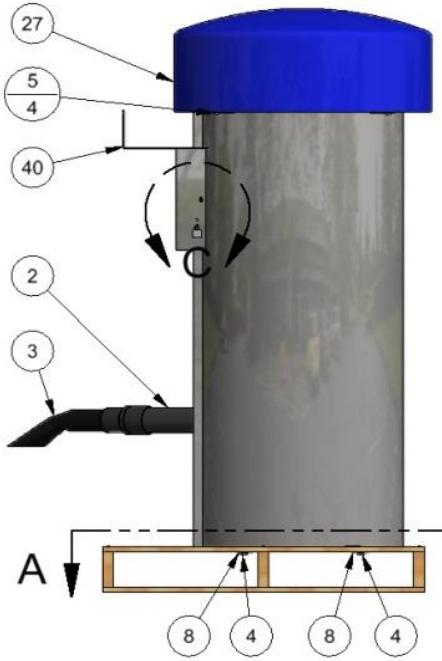



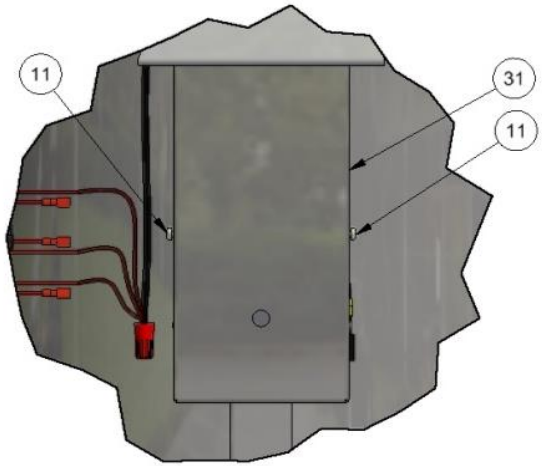

SECTION A-A

DETAIL D

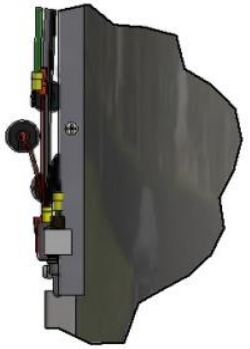



DETAIL B



DETAIL C

TITLE
VAC, 2DR, 3 MOTOR COMMERCIAL, LD

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|

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

MATERIAL
SCALE
DRAWN BY CHAD K.
DATE 4/29/2011

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO. 9235-3LD
REV. C

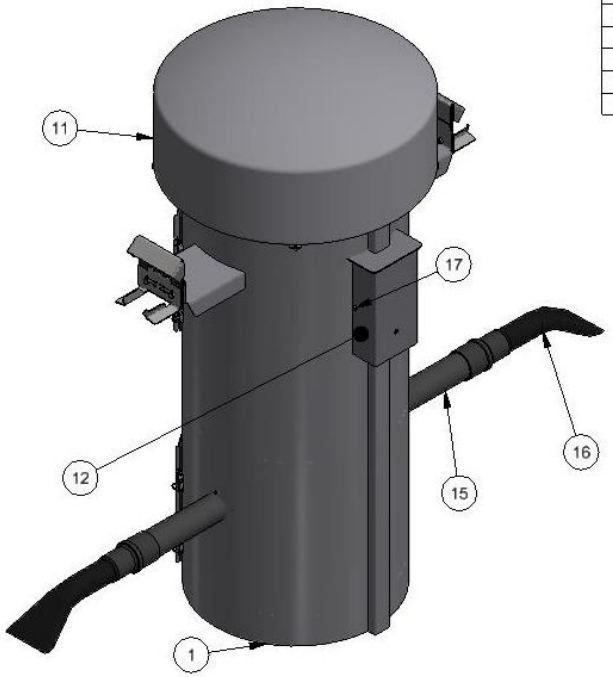
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

PART NO 9235-3DH

NOTES:
1. PACKAGE CLAW HANGERS IN SH111 TO PROTECT FROM SHIPPING DAMAGE.

| BILL OF MATERIALS | | | |
|---|---|---|---|
| ITEM | PART NUMBER | DESCRIPTION | QTY |
| 30 | 8597 | WASHER, 5/16 SAE FLAT ZP | 3 |
| 31 | 8598 | WASHER, 5/16 LOCK ZP | 3 |
| 32 | 8732 | NAME PLATE, PRODUCT SPEC | 1 |
| 33 | 8437D001 | DECAL - ETL LISTED ANSI/UL | 1 |
| 34 | 5871B8 | PLUG, RECESSED | 8 |
| 35 | 6082 | BAG 9 X 12 | 1 |
| 36 | 2058-13A-9 | CLAW HANGER ASSEMBLY, VAC MNT | 2 |
| 37 | SH111 | BOX, 6X6X5 SHIPPING | 1 |
| 40 | 8427-1 | DECAL, VACUUM | 2 |
| 41 | 8423-2 | DECAL, VACUUM DOME | 1 |
| 42 | 8673-10-3 | WIRING ASSY | 1 |
| 46 | 5901D2 | WIRE NUT, RED | 2 |
| 47 | | PACKAGING | |
| 48 | 5600D4 | BOLT HHEAD 3/8-16 X 1-1/2 | 4 |
| 49 | 5606D22 | FENDER WASHER, 3/8 | 8 |
| 50 | B5722-002 | NUT, HEX LOCKNUT | 4 |
| 51 | 8939 | PALLET | 1 |
| 52 | 8631 | 11 X 55 PAD | 1 |

| BILL OF MATERIALS | | | |
|---|---|---|---|
| ITEM | PART NUMBER | DESCRIPTION | QTY |
| 1 | 9236-3W-DH | 3 MOTOR VAC CANISTER W/C | 1 |
| 2 | 8057 | MOTOR GASKET | 3 |
| 3 | 8055EM | MOTOR, ELECTRO 120V | 3 |
| 4 | 8051-3M | 3 MOTOR BRACKET | 1 |
| 5 | 5603D11 | 1/2 Std NF Nylock Nut | 1 |
| 6 | 8076 | FILTER BAG | 4 |
| 7 | 8108 | #10 x 1/2 TAP SCREW | 6 |
| 8 | 5611D2 | NUT, 10-24 UNC KEPP- ZINC | 1 |
| 9 | 5639D1 | RUBBER GROMMET | 1 |
| 10 | 5627D2 | 6-32 x .63 PD, PH, MS | 2 |
| 11 | 8305 | ASSEMBLED SS DOME | 1 |
| 12 | 8505-1 | COVER, CONTROL PLATE | 1 |
| 15 | 2036 | HOSE, 2" X 15' BLACK VACUUM | 2 |
| 16 | 2058 | CLAW/CUFF ASSEMBLY, 2" | 2 |
| 17 | 5636D1 | #10-24 PHIL. PAN HEAD SCREW | 1 |
| 18 | 8159 | DOOR GASKET | 2 |
| 19 | 8615-5W | CLEANOUT DOOR WELDMENT | 2 |
| 20 | 8153-1 | LATCH, CLEANOUT DOOR | 4 |
| 21 | 8081 | CABLE TIE MOUNT | 1 |
| 22 | 8084 | CABLE TIE NYLON | 3 |
| 23 | 8100N002 | INS TAG, YELLOW REMOVE | 1 |
| 24 | 5647D2 | RIVET - 1/8 SS POP | 16 |
| 26 | 8183 | DECAL, WARNING ENGLISH/FRENCH | 1 |
| 27 | 8754 | DECAL, DANGER ENG/FR/SPAN | 1 |
| 28 | 8595 | HHCS 5/16 X 1-1/2 ZP | 3 |
| 29 | 8596 | NUT, 5/16-18 HEX ZP | 3 |




THIS MODEL IS A SPECIAL "DUAL HOSE" UNIT BASED ON JE ADAMS MODEL 9235-3. NOTE: HOSES HAVE LIMITED SHUTOFFS BUT MOST AIR FLOW IS OBSTRUCTED WHILE HOSES HANG IN HOLDERS.

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|
| F | 8575 | REMOVED 2058-13W, 2058-4, 2058-3, 5601D4, 5603D2, ADD 2058-13A-9, SH111 | 3/17/20 | MWS |
| E | 7727 | REMOVED 8828, 5920, 8055LEAD-EM, B5996-010, B5997-001 | 4-5-16 | CK |
| D | 7374 | ADD ITEM 53, NOTE 1, ITEM 36 WAS 9280F22. | 12/22/14 | MWS |
| C | 5541 | CHANGE TO LARGER PALLET 8939, WAS 8605 | 020910 | JF |
| B | 5293 | ADJUST BILL FOR NEW WIRING HARNESS WITH SWITCH | 100709 | JF |

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

TITLE: COMMERCIAL VAC - 3 MOTOR, 2 DOOR

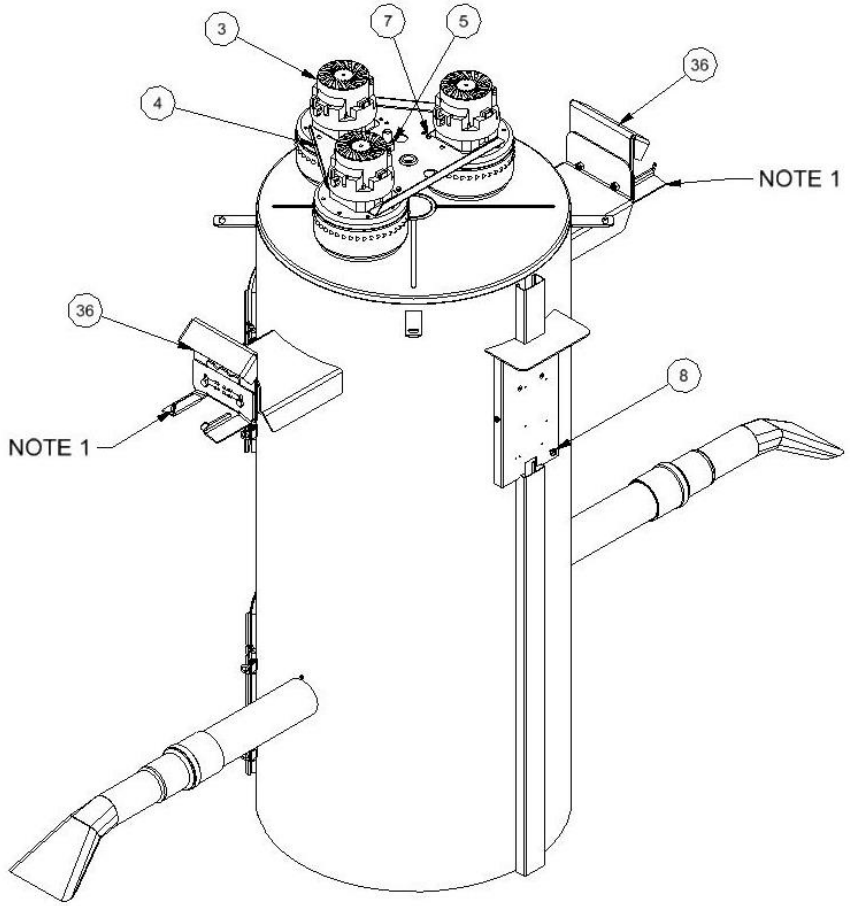
UNSPECIFIED TOLERANCES
1 PL ± .030
2 PL ± .020
3 PL ± .003
ANGLE ± 1°

MATERIAL
DRAWN BY JOHN F
DATE 12/22/2008
SCALE
SHEET 1 / 2

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO 9235-3DH
REV. F

PART NO 9235-3DH




9235-3DH
SCALE .1

| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|

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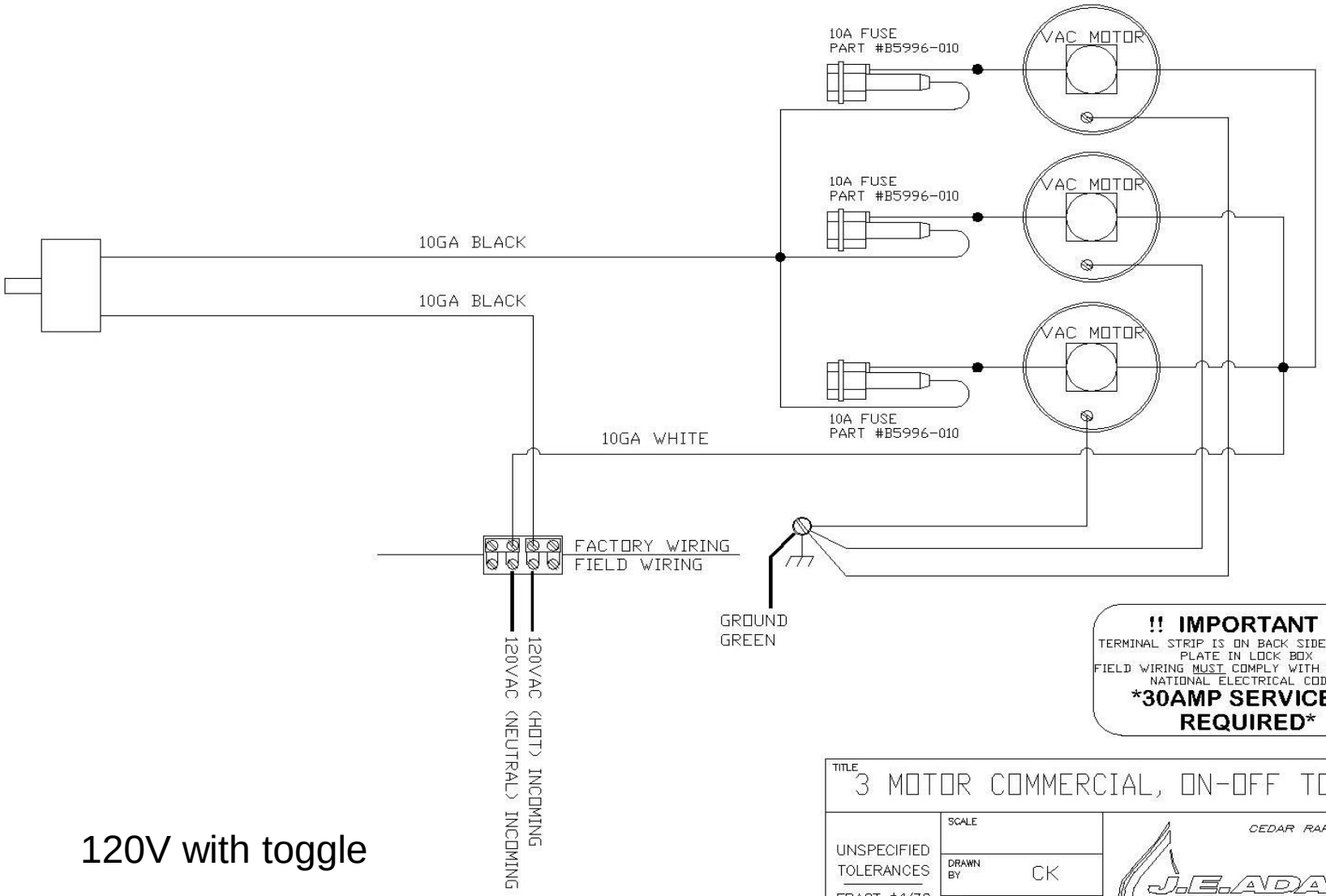
| | | | |
|---|---|---|---|
| TITLE | COMMERCIAL VAC - 3 MOTOR, 2 DOOR | | |
| UNSPECIFIED TOLERANCES<br>1 PL ± .030<br>2 PL ± .020<br>3 PL ± .003<br>ANGLE ± 1° | MATERIAL | CEDAR RAPIDS, IOWA<br>J.E. ADAMS INDUSTRIES, LTD | |
| | DRAWN BY JOHN F<br>DATE 12/22/2008 | | |
| | SCALE | SHEET 2 / 2 | PART NO 9235-3DH REV. F |

PART NO. 3 MOTOR COMMERCIAL

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 MATERIAL

| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|




**!! IMPORTANT !!**
TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX
FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES
***30AMP SERVICE IS REQUIRED***

120V with toggle

TITLE: 3 MOTOR COMMERCIAL, ON-OFF TOGGLE

UNSPECIFIED TOLERANCES
FRACT. ±1/32
2 PL ±.020
3 PL ±.010
ANGLE ±1.0°

SCALE
DRAWN BY: CK
DATE: 7-27-11
REL. FOR PROD.: –

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO. 3 MOTOR COMMERCIAL
REV.

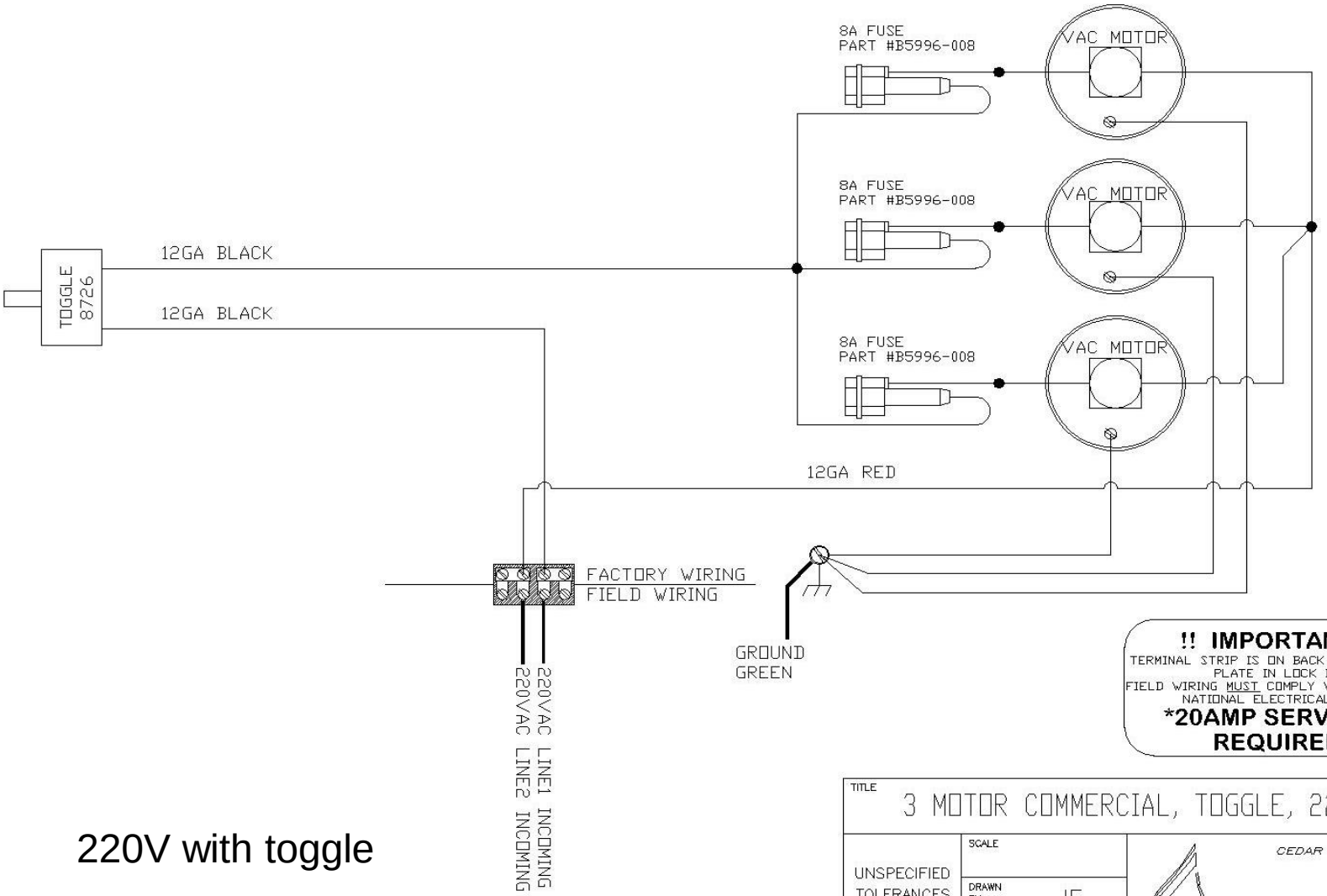
| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|

PART NO. 3 MOTOR COMMERCIAL

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 MATERIAL

| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|




**!! IMPORTANT !!**

TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX

FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES

***20AMP SERVICE IS REQUIRED***

220V with toggle

TITLE: 3 MOTOR COMMERCIAL, TOGGLE, 220VAC

UNSPECIFIED TOLERANCES
FRACT. ±1/32
2 PL ±.020
3 PL ±.010
ANGLE ±1.0°

SCALE

DRAWN BY: JF

DATE: 7/25/11

REL. FOR PROD.: –

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

PART NO. 3 MOTOR COMMERCIAL

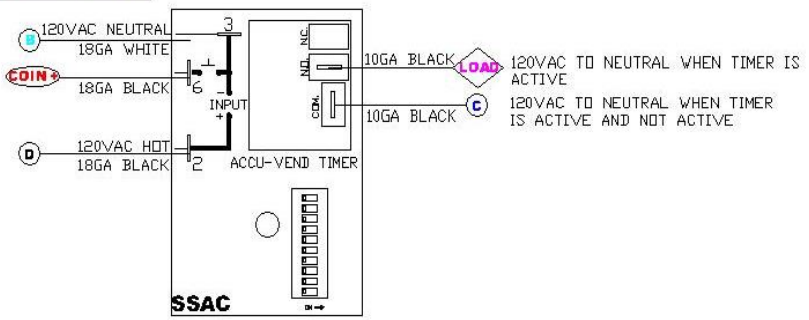
REV.

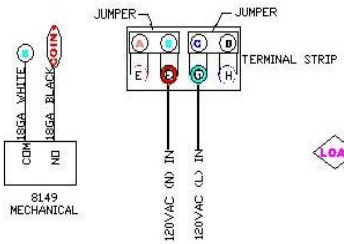
| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|

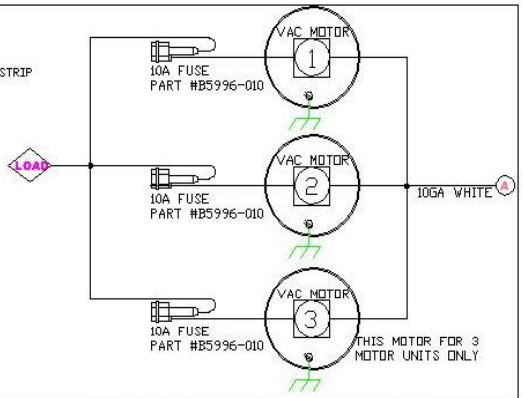
PART NO. VACUUM 120V

# 8221SS4

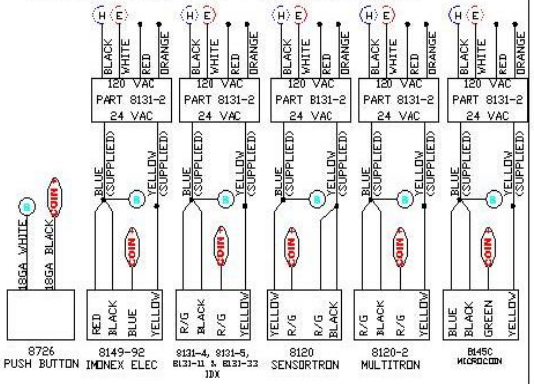
## VACUUM STANDARD



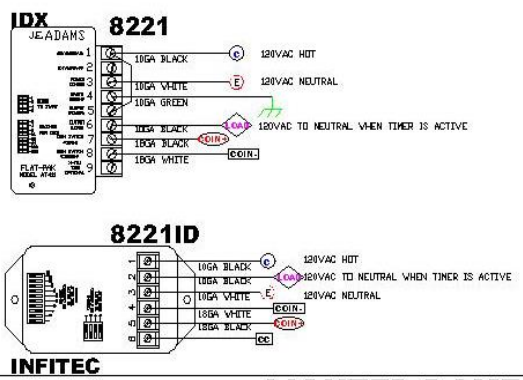



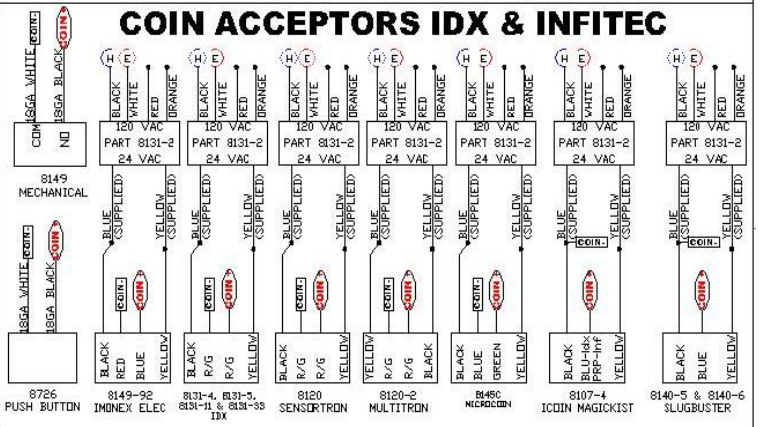

## COIN ACCEPTORS SSAC




## OPTIONAL TIMERS




## COIN ACCEPTORS IDX & INFITEC

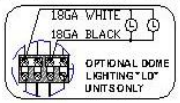



## IMPORTANT INFORMATION

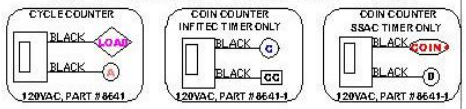
!! IMPORTANT !!
TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX. FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES
*20AMP SERVICE IS REQUIRED FOR 2 MOTOR UNIT*

!! IMPORTANT !!
TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX. FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES
*30AMP SERVICE IS REQUIRED FOR 3 MOTOR UNIT*

## LIGHTED DOME




## OPTIONAL COUNTERS




| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|
| C | 8638 | MODIFY NOTES FOR I-COIN MECH | 08/20/20 | JRF |
| B | 8142 | CHANGED WIRE CONFIGURATION OF SENSORTRON | 12-20-17 | CK |
| A | 7689 | SPLIT COIN ACCEPTOR FOR USE WITH SSAC OR IDX & INFITEC | 2-23-16 | CK |

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PART NO. VACUUM 120V

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD.

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.010
3 PL ±.003
ANGLE ±1.0

TITLE: VACUUM 120V

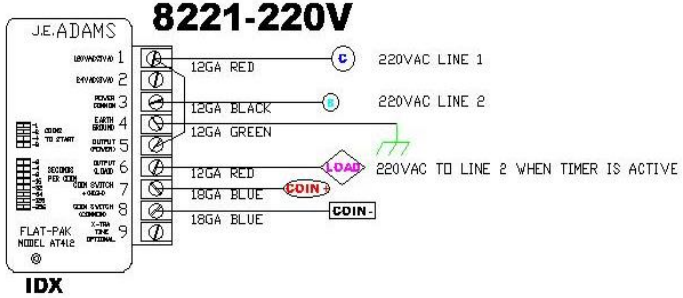
DRAWN BY: CHAD K. | DATE: 12/16/15 | SCALE: NONE | REL FOR PROD.

MATERIAL: - | PART NO. VACUUM 120V | REV. LEVEL: C

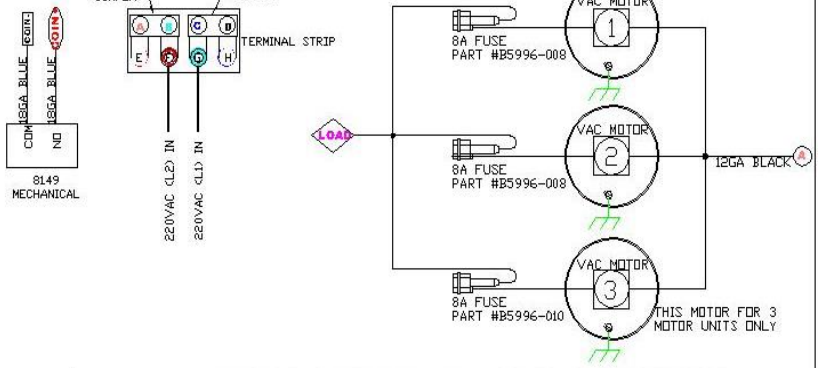
PART NO. VACUUM 220V

# VACUUM STANDARD

## 8221-220V

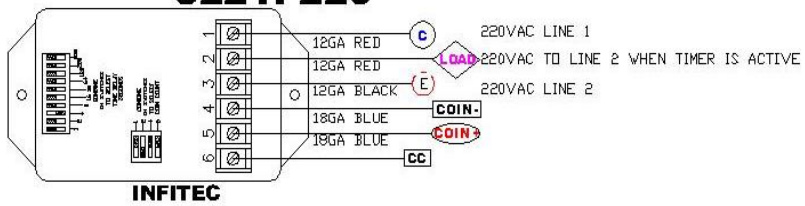



IDX



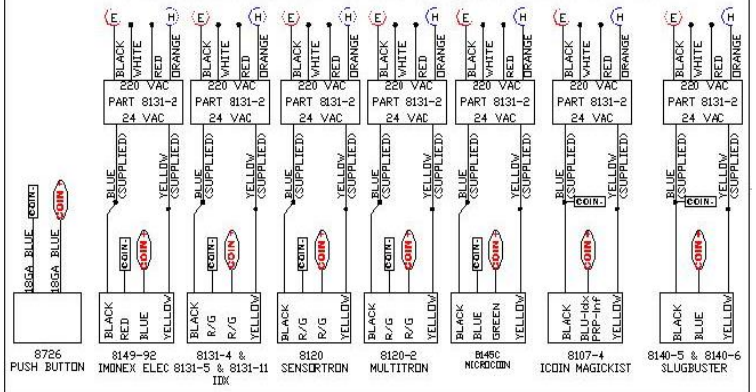

# OPTIONAL TIMERS

## 8221I-220




INFITEC

# COIN ACCEPTORS IDX & INFITEC

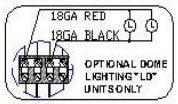



# IMPORTANT INFORMATION

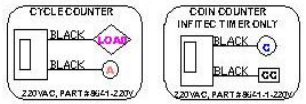
!! IMPORTANT !!
TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX. FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES
*15AMP SERVICE IS REQUIRED FOR 2 MOTOR UNIT*

!! IMPORTANT !!
TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX. FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES
*20AMP SERVICE IS REQUIRED FOR 3 MOTOR UNIT*

# LIGHTED DOME




# OPTIONAL COUNTERS




| REV | NO. | DESCRIPTION | DATE | BY |
|---|---|---|---|---|
| A | 8638 | MODIFY NOTES FOR I-COIN MECH | 08/20/20 | JRF |

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PART NO. VACUUM 220V

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.010
3 PL ±.003
ANGLE ±1.0

TITLE: VACUUM 220V

| DRAWN BY | DATE | SCALE | REL. FOR PROD. |
|---|---|---|---|
| CHAD K. | 3-7-16 | NONE | |

| MATERIAL | PART NO. | REV. LEVEL |
|---|---|---|
| - | VACUUM 220V | A |