AIR ONE DRYER INSTALLATION MANUAL
Part #: DRYRCS360BK210, 310, 410, 510 (ALL COLORS)
Optional 4” X 6” Frame DRYRAL00000000

TABLE OF CONTENTS

Equipment Specifications .......................................................... Page: 1
Suggested Tools and Installation Materials ..................................... Page: 2
Installation Instructions ................................................................ Page: 2
Start-Up Procedures ................................................................... Page: 10
Maintenance ............................................................................... Page: 11

Equipment Specifications

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNNEL LENGTH</td>
<td>36 IN (3 FT)</td>
</tr>
<tr>
<td>TUNNEL WIDTH</td>
<td>186 IN (15 FT-6 IN) MAX</td>
</tr>
<tr>
<td>UNIT HEIGHT</td>
<td>140 IN (11 FT-6 IN) MAX</td>
</tr>
<tr>
<td>VEHICLE CLEARANCE</td>
<td>90 IN (7 FT-6 IN) MIN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL 210: (2) 10 HP, 62A/208VAC-28A/460VAC-3PH TOTAL FLA</td>
<td></td>
</tr>
<tr>
<td>MODEL 310: (3) 10 HP, 93A/208VAC-42A/460VAC-3PH TOTAL FLA</td>
<td></td>
</tr>
<tr>
<td>MODEL 410: (4) 10 HP, 123A/208VAC-56A/460VAC-3PH TOTAL FLA</td>
<td></td>
</tr>
<tr>
<td>MODEL 510: (5) 10 HP, 154A/208VAC-70A/460VAC-3PH TOTAL FLA</td>
<td></td>
</tr>
</tbody>
</table>

| PNEUMATICS          | N/A            |
| WATER               | N/A            |

Equipment Specifications and Features

- Color Skinz™ Snap On Structure Wrap
- 10 HP Motors 208-230-460 VAC/3 PH
- Very Quiet
- Convenient Method to Clean Inlet Strainer
- 3 Different Color Molded Heavy Plastic Housing. Never Corroses, Never Fades
- Inverter Ready Heavy Duty Cast Steel TEFC 10 HP Motors
Suggested Installation Tools and Materials

- Hammer Drill with 5/8" Drill Bit
- (8) Wedge Anchor Bolts 5/8” x 6”
- Sledge Hammer
- Safety Goggles
- Set of Standard Combo Wrenches
- Torpedo Level
- Measuring Tape
- Safety Goggles

Notes and Safety Symbols

Where necessary, important points will be highlighted in this manual, using the following symbols:

**NOTE:** PROVIDES FURTHER INFORMATION!

**STOP!** PRECAUTION TO AVOID EQUIPMENT MALFUNCTION OR ERROR!

**WARNING!** DANGEROUS SITUATION WHICH MAY CAUSE EQUIPMENT DAMAGE, PERSONAL INJURIES OR FATALITIES!

Always follow all “Notes”, “Warnings” and instructions. Failure to do so may have serious consequences in the overall performance of the equipment and/or the safety of the people working on the equipment!

Installation Procedure

- Upon receiving your MCWW equipment, open all boxes and crates and verify that you have all the required components and there is no damage to the equipment. Verify that you have all your installation materials.

  PLEASE COMMUNICATE WITH YOUR LOCAL MOTOR CITY WASH WORKS REPRESENTATIVE FOR ANY DAMAGE TO YOUR EQUIPMENT!

- Remove packaging material covering the Dryer pallet and remove the two legs and bring them in the wash in the area where the dryer will be installed.
Using the pictures #1 thru 10 showing the different equipment envelopes, verify that there is sufficient room for your specific model dryer.
Bring a fork lift truck to the dryer crate and position the forks under the dryer main cross beam. Secure the dryer frame using a large C-Clamp as shown in Picture #11 below. Bring the dryer to the installation area.

Bring the dryer inside the wash bay in the area to be installed. Verify orientation. Typically, the dryer’s air inlets are facing the exit of the wash bay.
If you are assembling a 40 or 50 HP DRYER, you may have to remove the DRYER PRODUCER OFF THE MAIN CROSS BEAM. Remove the plastic housing and then proceed with the MOTOR/PRODUCER ASSEMBLY and set them on the floor, to be re-installed later on the DRYER LEGS.

Raise the dryer frame and secure both legs on each side of the frame:

IF YOU ARE ASSEMBLING THE MCWW SQUARE FRAME, SECURE THE BOTTOM OF THE DRYER CROSS BEAM BETWEEN 104-5/8” TO 110-5/8” FROM CONVEYOR TOP SURFACE (SEE PICTURE #12). REFER TO PREVIOUS PICTURES SHOWING EQUIPMENT ENVELOPES FOR MINIMUM AND MAXIMUM DRYER CLEARANCES.

IF YOU ARE ASSEMBLING THE MCWW COLOR SKINZ™ FRAME, LEVEL AND SECURE THE BOTTOM OF THE DRYER CROSS BEAM AT 107” FROM CONVEYOR TOP SURFACE (SEE PICTURE #14). REFER TO PREVIOUS PICTURES SHOWING EQUIPMENT ENVELOPES FOR DRYER CLEARANCES.
Move the dryer assembly to its final location. Position the OUTSIDE DRIVER’S SIDE LEG 45” FROM THE INSIDE EDGE OF THE INSIDE GUIDE RAIL (see Picture #16). Secure each leg with 4 WEDGE ANCHOR BOLT 5/8” X 6” LONG. Level the frame in both directions: driver’s side to passenger’s side and entrance to exit.

If you are currently installing a 40 HP or 50 HP dryer, you will have to install one or more DRYER PRODUCERS ON EACH LEG (see picture #5, 6 or #9, 10 above).
After you have secured the motor/impeller assembly to the leg, mount the different PLASTIC HOUSINGS to the motor assemblies.

YOUR MCWW DRYER COMES WITH TWO DIFFERENT PRODUCERS/IMPELLER CLOCKWISE (CW) AND COUNTER-CLOCKWISE (CCW)

A PRODUCER HOUSING HAS TO BE INSTALLED TO THE PROPER IMPELLER.
ALWAYS INSTALL CW PRODUCER HOUSINGS WITH CW IMPELLERS
ALWAYS INSTALL CCW PRODUCER HOUSINGS WITH CCW IMPELLERS
SEE PHOTO BELOW TO IDENTIFY ROTATION

Secure and position the different producers according to your model of dryer shown below. Use an ANGLE FINDER (see picture below) for positioning the different angles for the dryer nozzles.
Positioning The Producers

Pic #22: 10 HP Square Frame Producer Location

Pic #23: 20 HP Square Frame Producers Location

Pic #24: 30 HP Square Frame Producers Location

Pic #25: 40 HP Square Frame Producers Location

Pic #26: 50 HP Square Frame Producers Location

Pic #27: 10 HP Color Skinz™ Producer Location
Start Up Procedure

☐ **Start** each dryer, one at a time and verify for proper rotation and check if any **IMPELLER** rubs on any **INLET CONE**.

☐ **When** an **IMPELLER** rubs on the **INLET CONE**, adjust the position of the **INLET CONE** by removing the **3 TOP BOLTS** and the **3 BOTTOM BOLTS** securing the inlet screen to the **INLET CONE** (see Picture#32).
Loosen the two remaining bolts holding the inlet cone (See Pic #33). Spin the impeller and adjust the inlet cone until it no longer interferes with the inlet cone. Tighten the bolts. Reinstall the inlet screen.

Maintenance:

Clean the INLET SCREEN as needed and remove leaves or other debris. To remove the inlet screen, remove the 3 top and bottom bolts retaining the screen to the inlet cone as shown previously. (Picture #32).

Warranty and Return Procedure:

Motor City Wash Works warrants this product to be free of defect in material and/or workmanship for a period of one year. During the warranty period MCWW will at its discretion, at no charge to the customer, repair or replace this product if found defective, with a new or refurbished unit, not to include costs of removal or installation. Any product returned to MCWW for warranty has to have a Return Material Authorization Number. All shipping costs to MCWW are assumed by the customer. This is only a summary of MCWW’s Limited Warranty. Please, communicate with MCWW for our complete warranty.

Prior to returning any product to MCWW, the customer must call in for a Return Material Authorization Number and a copy of our Return Material Authorization Form must be completed. The RMA number must be written clearly on the outside of the shipping package and a copy of the form must be included in the package.