

# Portable Air Conditioner

## TAD4900COOLER

Cage Code: Z8364

NSN: 4120-66-154-1845

# Operation and Maintenance Manual



# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Index

---

	PAGE
<b>Specifications</b>	
TAD4900COOLER .....	3
<b>Name and Function</b>	
Front Side.....	4
Back Side.....	5
<b>Name and Function</b>	
Digital Controller .....	6
<b>Operation</b>	
Operation Order.....	7
<b>Operation</b>	
Preparation for High Efficiency.....	8
Methods of Safe and Extended Use.....	9
<b>Maintenance</b>	
Cleaning Air Filter.....	10
Maintenance.....	10
<b>Maintenance</b>	
Trouble Shooting.....	11

# PORTABLE AIR CONDITIONER– TAD4900COOLER

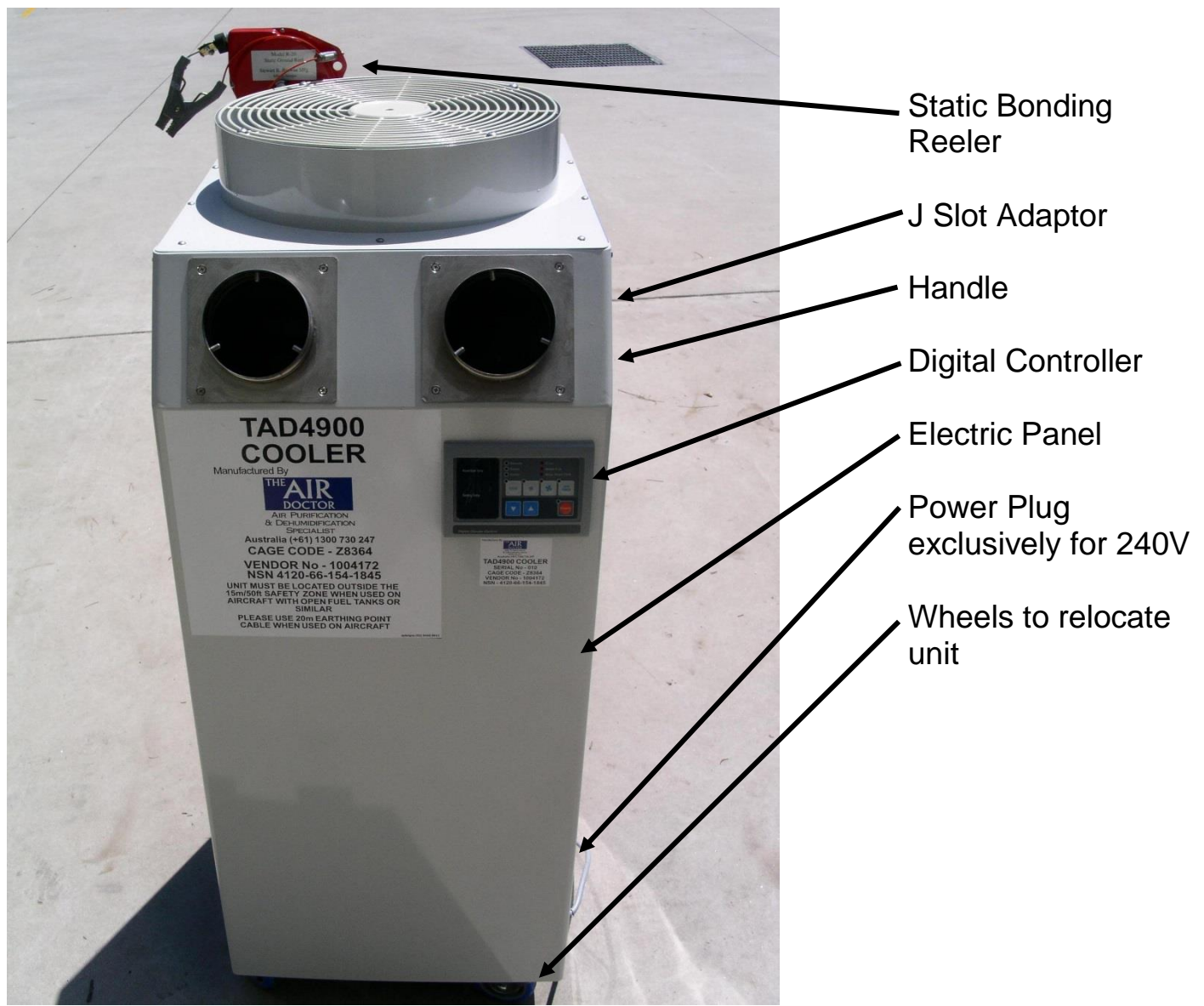
## Specifications

Specifications	TAD4900COOLER	
Cooling Capacity R22	BTU/h	16,900
	Kcal/h	4,250
Power Supply	240 Va. 50Hz 1 Ph	
Dimensions (WxDxH)	mm	490x590x1,300
Weight	Kg	86
Rated Power Consumption	kW	2.35
Air Filter	Aluminum Filter	
Safety Device	<ul style="list-style-type: none"> <li>- High Pressure Switch</li> <li>3 minute delay timer</li> <li>- Thermostat &amp; relief valve (or compressor)</li> </ul>	
Power Plug Device	Device	Plug
Power Plug Length (m)	Length (m)	3
Operating Conditions	25C D.B 60% RH – 50C D.B. 40% RH (TAD4900COOLER)	
Max Duct Length 0125(m)		20m
Duct Type	Anti static 4 inch NB: Needs to be bonded to the TAD4900COOLER TAD4-15ASD (15m), TAD4-10ASD (10m), TAD4-5 ASD(5m), TAD4-CL Clamp & TAD4-J Joiner. CAGE Code 8364	
Fuse	250Va.c. 5A	
Unit Operation	Cooler must be located outside the 15 metre (50ft) safety zone with aircraft with open fuel tanks	
Air off Temp	Set at +6°C	

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Name and Function

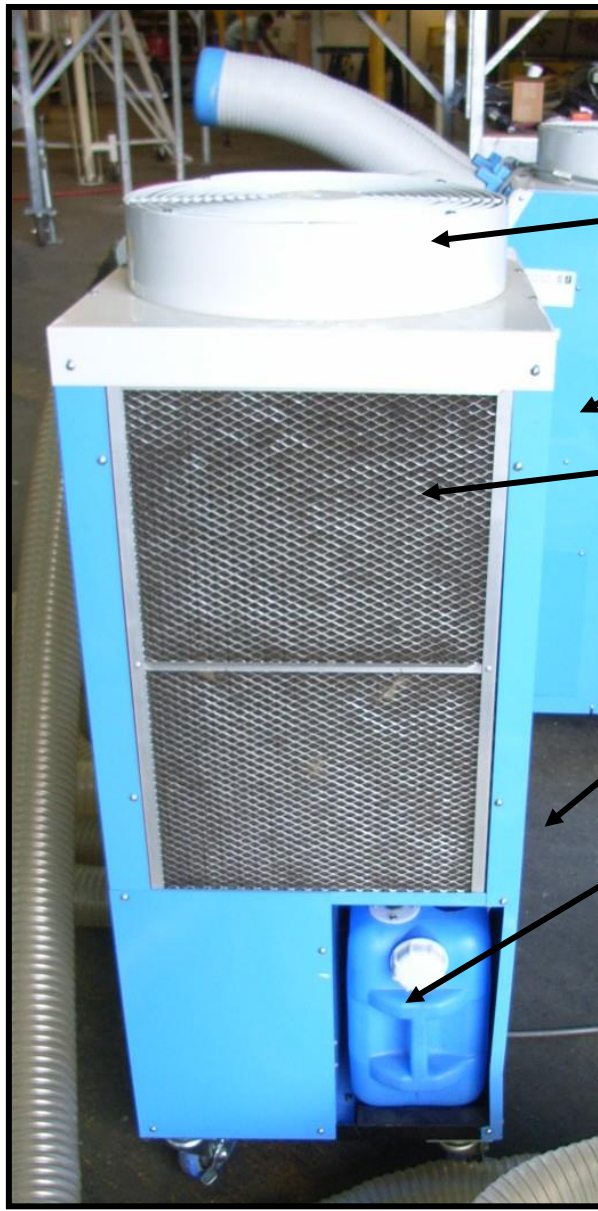
### Front Side



## PORTABLE AIR CONDITIONER– TAD4900COOLER

### Name and Function

#### Back Side



Condenser Outlet

Evaporator Filter (on the side)– indoor air gets through into it.

Condenser Filter

Water level window to check water level in the condenser tank.

Condensate tank to collect water generated in cooling

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Name and Function

### Digital Controller



1. POWER: Use to power ON/OFF
2. FAN SYMBLE: Choice of two fan speeds.
3. COOL: Use to select cool.
4. OFF TIMER: User can set 0-24 hours. The time interval is 30 minutes up to 10 hours and 1 hour for 10-24 hours.
5. Display: Displays the current temperature and the airing temp and sleep time in case of setting them. When the user sees the airing temp degrees Celsius will be turned on, when the user sets the sleep timer hr will be turned on. (LO: under the 0 degrees Celsius, HI: Over the 50 degrees Celsius). To change display between Room temp. and Compressor Temp. Press and Hold “Cool” and “Down Arrow”
6. Down/Up: Controlling temperature and sleep time up and down.
7. Water Full: Turning on the red light on water full is fully filled in the tank and the compressor will be stopped automatically. Please empty the condensate tank.
8. Align Drain Tank: The red light turns on when the water tank is not in the right position.
9. Error: Error signal (E1: High Pressure, E2 Low Pressure, E3 Sensor)

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Operation

---

### Operation Order

- 1.Connect power cord into Receptacle.
- 2.Push POWER button and check lamp ON.
- 3.Push COOL button for cooling ON/OFF.
- 4.Push on VELOCITY and check lamp 'ON'. Cool air is let out after 2-3 minutes.
- 5.Adjust outlet duct according to workers position.
- 6.Set out the temperature using the arrows up and down.
- 7.Time setting press OFF Timer. The time with arrow up and down.
- 8.Blinking three times sets automatically.
- 9.Returning time set up pressing OFF TIMER for a second returns automatically.

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Operation

---

### Preparation for High Efficiency

1. Use the unit in a shaded place.
2. Keep the air inlet at a distance of over 0.2 meters from the wall.
3. Use where outlet of this unit is located close to a window or door.
4. Use outlet duct (option) for use in air tight place.
5. Keeps outlet duct at the optimal distance of 2m or less.



# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Specification

---

### Method of Safe and Extended Use

1. Be sure to operate fan mode for over 10 seconds.
2. Fix locking device on a rear wheel during operation.
3. Don't tilt the unit over 10 degrees.
4. Connect power cord into outlet with earth pin.
5. Never put any obstacles around air inlet. (Over 0.2m).
6. Never put any tools or parts on the air conditioner.
7. If the supply cord is damaged, the manufacturer must replace it or its service agent or a similarly qualified person in order to avoid a hazard.
8. Cooler must be located outside 15m/50ft safety zone with any aircraft fuel tank open.

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Maintenance

---

### Cleaning Air Filter

- 1.To pull out the evaporator and condenser filter, please raise a little and pull it out.
- 2.Clean the filter with water or compressed air.
- 3.Clean evaporator and condenser with vacuum cleaner or compressed air.

### Maintenance

- 1.Dry completely inside of the unit by operating at fan mode for 3-4 hours after cleaning.
- 2.Set operation switch at 'OFF'. Pull out power cord and then fix by winding, leave it in the proper place.
- 3.Keep under cover to prevent humidity and dust.

# PORTABLE AIR CONDITIONER– TAD4900COOLER

## Maintenance

### Trouble Shooting

Trouble	Check-up	Remedy
Not Working	<ul style="list-style-type: none"> <li>▪ Power plug correctly connected.</li> <li>▪ Power switch off?</li> <li>▪ Disconnected fuse.</li> <li>▪ Breaker on switch board dropped?</li> <li>▪ Too high surrounding temperature? (Over 50 degrees Celsius)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Connect plug correctly</li> <li>▪ Turn power cool button on.</li> <li>▪ Exchange fuse in switch board.</li> <li>▪ Check load capacity and turn on the breaker.</li> <li>▪ Use only in the place. (Below 50 degrees Celsius)</li> </ul>
Poor Cooling	<ul style="list-style-type: none"> <li>▪ Filter stopped up with dust?</li> <li>▪ Dust in heat exchanger?</li> <li>▪ Obstacle in inlet side.</li> <li>▪ Too high surrounding temperature? (Over 50 degrees Celsius)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Clean filter.</li> <li>▪ Clean heat exchanger.</li> <li>▪ Remove an obstacle (Over 20cm)</li> <li>▪ Use only in the place. (below 50 degrees Celsius)</li> </ul>