Category: 98% Air Dryer Series Air Compressor
UPC: 850053943195

10 Gallon
2 HP Motor
130 PSI MAX
5.3 CFM @90PSI
58 Decibels
98% Dry Air

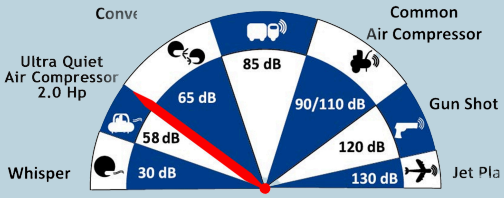


SPECIFICATION SHEET

Model: 10020HDSPCADC

PRODUCT OVERVIEW

The CALIFORNIA AIR TOOLS 10020HDSPCADC **Ultra Quiet**, 98% Ultra Dry Oil-Free 10 Gallon Air Compressor with 98% Air Drying System, in Sound Proof Cabinet, is designed to be one of the quietest 2.0 Hp air compressors in the industry having only 58 decibels of sound.



FEATURES

- The Powerful 2.0 HP motor operates at only 1680 RPM creating less noise and less wear.
- The SP-9421 Series of Ultra Quiet Air Compressor Motor/Pumps have been designed to increase duty cycle and allow for longer continuous run times.*
- The Oil-Free Dual Piston Pump System is engineered for high performance and durability.





BENEFITS

The CAT-10020HDSPCADC Air Compressor has a Oil-Free Dual Piston pump designed to have a life cycle before wear of 3000 Plus hours.

The Oil-Free pump allows for use in a variety of temperatures (cold starts) and eliminates oil from being in the air.

The large 10 Gallon Horizontal Steel Air Tank in Sound Proof Cabinet is just the right size to fit under a bench, desk or cabinet.

The 98% Air Dryer is specially designed to remove up to 98% of the water vapor from the air to protect sensitive tools and machinery.

- ISO 8573 2.3.1 Compliant (class 2/3 dry air):
- Water Pressure Dew Point (PDP) performance range (-20′ F. to -51′ F.)
- Air Quality: ISO 8573 – Class 2.3.1
- 5 um and 0.01 um particulate filtering.

PARTICLE: Class 2–3: Moderate filtration, particle size up to 1 µm (Class 2) or 5 µm (Class 3). Common in food & beverage, chemical processing, and precision engineering where clean air prevents product contamination and equipment wear.

WATER CONTENT: Class 2–3: Pressure dew point between −40 °C and −20 °C. Common in food & beverage processing, chemical plants, and medical applications where low moisture prevents contamination and corrosion.

OIL CONTAMINATION: Class 1: Allows a maximum of 0.01 mg/m³, required in industries like food, beverage, or healthcare.

To dry the air from the air compressor an Aftercooler and 98% Air Dryer are utilized.

The aftercooler is a heat exchanger for cooling the discharge air from the air compressor. The water vapor from the compressed air is condensed into liquid form and pushed into the Air Dryer.

The easy to replace “Spin-On” Air Dryer Cartridge has a regenerating High-Temperature Molecular Sieve Desiccant to dry the air. This cartridge dryer has a life of 4000 hours or 2-years before replacement.

Air Quality classes defined in ISO 8573

There are standardized compressed air quality classes which makes easier for manufactures to define required air quality to ensure trouble free operation of their equipment.

The ISO specify 3 major contaminants of compressed air - **solid particles**, **water,** and **oil**. These contaminants are specified by 3 digits that are referring to purity class from table below.
Particle size and density - Definition of the size and concentration of solid matter particles like dirt or rust that may remain in the compressed air.
Pressure dew point - Definition of the temperature to which the compressed air can be cooled without condensation of the moisture it contains. The pressure dew point changes with the air pressure.
Oil content - Definition of the residual quantity of aerosols and hydrocarbons contained in the compressed air.

Class	Solid particles per m3			Water	Oil
	0.1 - 0.5 micron	0.5 - 1 micron	1 - 5 micron	Pressure dew point in °C	Residual oil content in mg/m³
1	100	1	0	-70	0,01
2	100 000	1000	10	-40	0,1
3	-	10 000	50	-20	1
4	-	-	1000	+3	5
5	-	-	2000	+7	-
6	-	-	-	+10	-

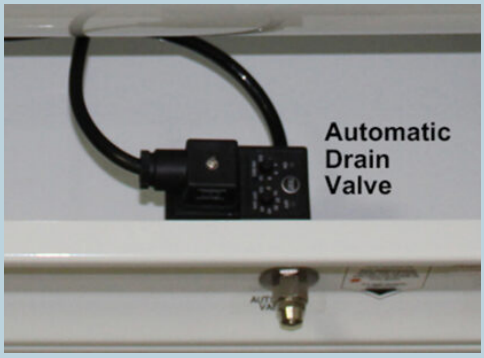
Selecting an air purity class of 2.3.1, would specify the following air quality when operating at the standard's reference conditions:

Class 2 Particles
In each cubic meter of compressed air, no more than 100,000 particles in the 0.1 - 0.5-micron size range are allowed. In each cubic meter of compressed air, no more than 1,000 particles in the 0.5 - 1 micron size range is allowed. In each cubic meter of compressed air, no more than 10 particles in the 1 - 5-micron size range is allowed.

Class 3 Water
A pressure dewpoint of -20°C

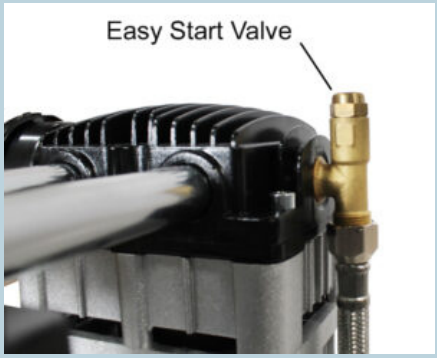
Class 1 Oil
In each cubic meter of compressed air, not more than 0.01mg of oil is allowed. This is a combined level for both oil aerosol and oil vapor.

The California Air Tools EZ-1 Automatic Drain Valve has been designed to eliminate manually draining your air compressor air tank. The manually set timer allows you to set the time for both the frequency and duration of the draining process.



The sturdy large steel cabinet on caster wheels makes it easier to move and reduces the noise level. The interior of the cabinet is lined with acoustic sound proofing foam insulation to reduce the air compressor's noise and vibration. The two latching door handles allows for easy access to the air compressor. The two exhaust fans are designed to remove the air from the cabinet for a cooler running air compressor.

The Easy Start Valve feature allows for a easier start up using less starting amps. Easy Start Valve releases a small amount of air from the pump at start up to produce a no-load condition allowing the motor to spin freely. This no-load start up requires less amps for a easier start up in cold temperatures.



This air compressor is ideal for anyone working inside (office, shop, store, warehouse or home) where noise is a major issue. Designed for the person looking for Power, 98% Dry Air with Low Dew Point Air Flow and Less Service with at Least 50% Less Noise! Ideal for Dental, Milling, Bio-Tech, Surgical, Manufacturing Clean Rooms, Restaurant and General Engineering Applications.

SPECIFICATIONS

Specification	Details
Material	Alloy Steel
Color	White
Weight	200 Pounds
Height	26 inches
Item Dimensions L x W x H	26"L x 30"W x 39.5"H
Capacity	10 Gallons
Maximum Current	14 Amps
Voltage	110 Volts
Noise Level	58 dB
Horsepower	2.0 Hp
CFM 40 PSI	6.40
CFM 90 PSI	5.30

FEATURES

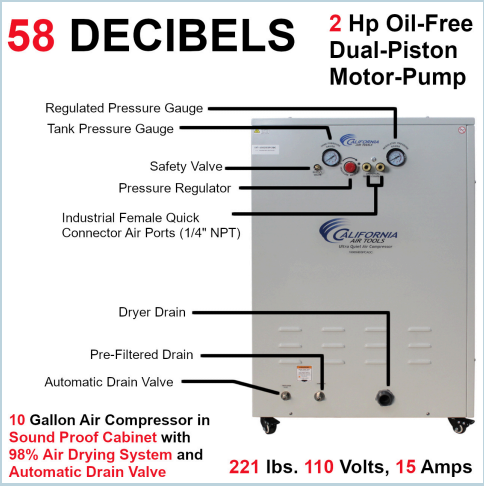
1. **Ultra Quiet – Only 58 decibels**
2. Oil-Free Pump (Class 1) – Cleaner air for better tool operation.
3. Less maintenance and Costs.
4. Two pressure control gauges
5. Two Female Industrial “Push to Connect” quick connector air ports (1/4″ NPT)
6. 0.01 Micron Prefilter
7. 5.0 Micron (Class 2) Air Filter & Regulator
8. Condor Pressure Switch
9. Thermal Overload Protector
10. 125 PSI Maximum Pressure
11. 110 Volts / 60 Hertz / Single Phase
12. Low Amp Draw – 14 Amps
13. Time to fill tank from empty to full – 120 Seconds
14. Recovery time from 95 PSI to 125 PSI – 25 Seconds
15. Duty Cycle – 70/30*
16. Less heat which dissipates more efficiently
17. 10 Gallon Steel Air Tank for Commercial use.
18. Solid Steel Cabinet, Insulated.
19. L (26″) x W (30″) x H (39.5″)
20. 220 pounds
21. Air Dryer Cartridge uses a High-Temperature Molecular Sieve Desiccant
22. Easy to remove (spin off) and replace every 4000 hours or 2 years
23. Aftercooler (condenser)
24. PDP performance range (-20′ F. to -51′ F.)
25. Air Quality: ISO 8573 – Class 2.3.1
26. EZ-1-2321 Auto Drain Valve Factory Installed
27. 1 Year Limited Warranty
28. Comes complete (2) Air Filters
29. Commercial Use: Refer to State & City Codes
30. Non-ASME Air Tank
31. Assembled in Mexico and USA with global components

Product Overview:

California Air Tools 10020HDSPCADC Website

COMPATIBLE ACCESSORIES

- 8mm PTFE Black Hose Tubing (10 feet long) to connect to Automatic Drain Valve
- 16 Piece Air Hose & Air Tool Accessory Kit (CAT-376)
- California Air Tools Hybrider Flex 1/4in 25 Foot Hybrid Air Hose



Part Number	CAT- 10020HDSPCADC
UPC	850053943195
Shipping Dimensions	48”L x 40"W x 38"H
Shipping Weight	286 lbs
Shipping Class	85
Ship Type	LTL
Cage Code	7VRJ0
HTSUS	8414.80.1685
Country of Origin	USA

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