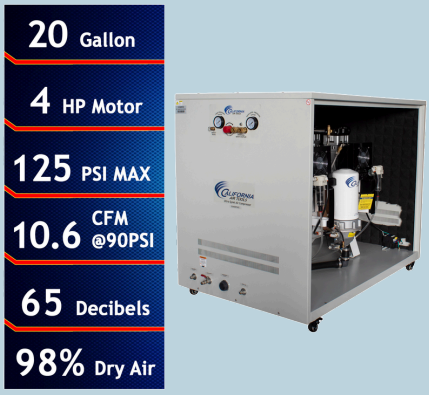
Category: 98% Air Dryer Series Air Compressor
UPC: 850004451359

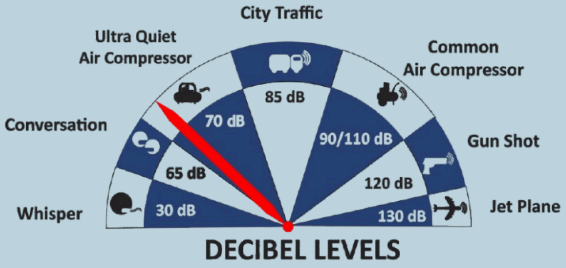


SPECIFICATION SHEET

Model: 20040DSPCADC

PRODUCT OVERVIEW

The CALIFORNIA AIR TOOLS 20040DSPCADC **Ultra Quiet**, Ultra Dry Oil-Free 20-Gallon Air Compressor with Air Drying System in a Soundproof Cabinet is designed to be one of the quietest 4.0 Hp air compressors in the industry having only 65 decibels of sound.



FEATURES .

- The Powerful Twin 2.0 HP motors operates at only 1680 RPM creating less noise, vibration and wear. The SP Series of **Ultra Quiet** Air Compressor Motors 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.
- The CAT-20040DSPCADC 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 sturdy steel soundproof cabinet has a large 20 gallon steel air tank and caster wheels that makes it easy to move.





BENEFITS

The The interior of the cabinet is lined with acoustic soundproofing 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 four exhaust fans are designed to remove the air from the cabinet for a cooler running air compressor.

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. PDP performance range (-20′ F. to -51′ F.). Air Quality: ISO 8573 – Class 2.3.1. To dry the air from the air compressor an Aftercooler and 98% Air Dryer are utilized.

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 2-years before replacement.

- 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

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/m^3
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.

Designed for the person looking for Power, 98% Dry Air with Low Dew Point Air Flow and Less Service with at Least 30% Less Noise! Ideal for Dental, Milling, Surgical, Manufacturing Clean Rooms, Restaurant and General Engineering Applications.

SPECIFICATIONS

Specification	Details
Material	Alloy Steel
Color	White
Weight	375 Pounds
Height	39 inches
Item Dimensions L x W x H	31"L x 46"W x 39"H
Capacity	20 Gallons
Maximum Current	14 Amps
Voltage	220 Volts
Noise Level	65 dB
Horsepower	4.0 Hp
CFM 40 PSI	12.80
CFM 90 PSI	10.60

FEATURES

1. **Ultra Quiet – Only 65 decibels**
2. Oil-Free Pump (Class 1) – Cleaner air for better tool operation.
3. Less maintenance and Costs.
4. 0.01 Micron Prefilters (2)
5. 5.0 Micron (Class 2) Air Filter & Output Pressure Regulator
6. Two pressure control gauges
7. Two – Female industrial “Push to Connect” quick connectors
8. Condor Pressure Switch
9. Thermal Overload Protector
10. 130 PSI Maximum Pressure
11. 220 Volts / 60 Hertz / Single Phase – (No 208 Volts – if necessary, obtain 208 to 220 voltage booster)
12. Low Amp Draw – 14 Amps
13. Time to fill tank from empty to full – 150 Seconds

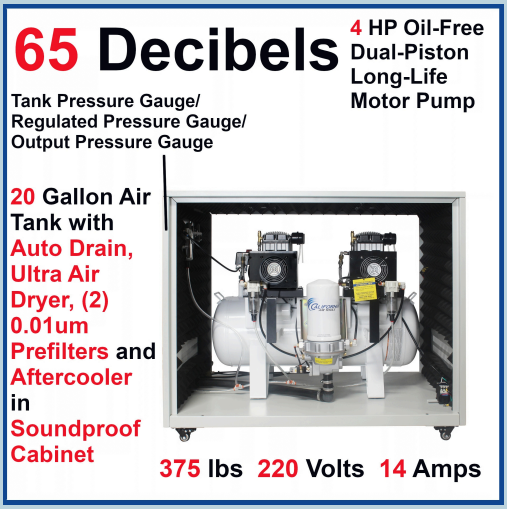
14. Recovery time from 100 PSI to 130 PSI – 40 Seconds
15. Duty Cycle – 70/30*
16. 20 Gal. Steel Air Tank
17. L (31″) x W/D (46″) x H (39″)
18. Weight: 375 lbs
19. Air Dryer Cartridge uses a High-Temperature Molecular Sieve Desiccant
20. Easy to remove (spin off) and replace every 2 years
21. Aftercooler (condenser)
22. PDP performance range (-20′ F. to -51′ F.)
23. Air Quality: ISO 8573 – Class 2.3.1
24. 1 Year Limited Warranty
25. Comes complete (4) Air Filters
26. Plug Type: Nema 6-15P (fits Nema 6-15R or 6-20R receptacle)
27. EZ-1-2321 Auto Drain Valve Factory Installed
28. Commercial Use: Refer to State & City Codes
29. Non-ASME Air Tank
30. Assembled in USA with global components

Product Overview:

[California Air Tools 20040DSPCADC Website]

COMPATIBLE ACCESSORIES

- 16 Piece Air Hose & Air Tool Accessory Kit (CAT-376)
- California Air Tools Hybrider Flex 1/4in 25 Foot Hybrid Air Hose
- 317 Water (moisture) & Oil Separator Air Filter 1/4″ NPT



Part Number	CAT-20040DSPCADC
UPC	850004451359
Shipping Dimensions	51”L x 40"W x 47"H
Shipping Weight	467 lbs
Shipping Class	85
Ship Type	Freight
Cage Code	7VRJ0
HTSUS	8414.80.1685
Country of Origin	MEXICO

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