



Quincy Compressor® Air Master® Series

TRUE BLUE RELIABILITY



Stationary Units



Made in the U.S.A.



Quincy Compressor Stationary Units

Heavy Duty Industrial Compressors

High efficiency finned inter-cooler reduces interstage air temperatures for maximum performance and increased valve life

One piece aluminum head for strength and optimum heat dissipation

ASME code interstage pressure relief valve

Cast-iron construction for dependability and smooth operation

Free floating stainless steel reed valves with bumpers for controlled lift

Two piece connecting rods make service easier

High performance three piece rings allow less than 5 ppm oil carry-over

Extra capacity oil reservoir ensures low oil temperatures

ASME coded air receivers

Manual tank drain standard with electronic or pneumatic drain optional

Brass service valve

Industrial grade ODP electric motors and Kohler, Honda and Yanmar engines with electric start available on two-stage units

Loadless auto start/stop on 5-10 hp electric models. Dual control standard on 15 hp units.

ASME coded pressure relief valves in the interstage (two-stage), discharge and receiver tank for maximum safety protection



Model: 251CP80VCB
with combination pressure switch/starter



See pages 8-9 for Air Treatment Selection Guide


Standard Features:

- Heavy-duty, cast-iron Quincy compressor
- Quin-Cip Lubricant
- ODP Electric Motors, 3450 or 1750 rpm
- Single-phase 230 volt and three-phase 208/230/460 volt
- 30, 60, 80 or 120 gallon air receivers on simplex models, up to 240 gallon on duplex models
- Gas models have automatic throttle control
- Splash lubricated
- Filter-silencers
- One-year warranty on complete unit

Optional Features:


- 208/230/460/575 volt magnetic starters mounted and wired
- Electronic or pneumatic tank drains
- Pressure lubricated 5 to 15 hp models
- California code 462L OSHA approval available on request
- Vibration isolators
- Duplex control panels
- Low oil shutdown
- Optional two-year warranty kit on two-stage models
- Factory installed air-cooled aftercoolers
- Air dryers, filters, condensate drains

A WINNING COMMITMENT



Winning takes commitment. The people at Dale Earnhardt, Incorporated are serious about applying the science and technology of winning to everything they do. Since 1987, DEI has chosen Quincy Compressor to implement the science of compressed air to its winning strategy. The same commitment is available to you, everyday – Quincy Compressor, the Science of Compressed Air.

Quincy is the Official Supplier of Compressed Air to DEI.



Single Stage Compressors

- 3450 RPM single-phase motors
- 30 to 80 gallon ASME air receivers
- 125 psig maximum working (cutout) pressure
- Filter/Silencer
- One-year warranty on the complete unit
- Two-year warranty on the basic compressor pump



Model: 131A30VC3

Commercial Two-Cylinder Single-Stage Units

Model Number	hp	Comp. rpm	cfm @ 40 psig	cfm @ 100 psig	cfm @ 125 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
131A30VC3	3.5	650	8.1	6.4	6.0	30	310	29x21x43
151C30VC3	5	1030	11.2	9.4	8.9	30	350	29x21x43
151C60VC3	5	1030	11.2	9.4	8.9	60	370	29x21x64

Four-Cylinder Industrial Single-Stage Units

Model Number	hp	Comp. rpm	cfm @ 40 psig	cfm @ 100 psig	cfm @ 125 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
1V41C30VC5*	5	930	20.6	18.0	16.9	30	400	29x21x30
1V41C60VC5*	5	930	20.6	18.0	16.9	60	465	29x21x64
1V41C80VC5*	5	930	20.6	18.0	16.9	80	500	37x22x73

* Heavy-duty, slow speed (1725) single- and three-phase motors available



Model: 1V41C60VC5



Quincy Compressor Stationary Units

Two-Stage Compressors

Standard Features:

- Cast-iron splash lubricated compressor
- Single-phase and/or three-phase
- Heavy-duty industrial motors
- 60 to 120 gallon vertical and horizontal tanks
- 175 psig maximum working (cut-out) pressure two-stage
- Filter/silencer
- One-year warranty on complete unit

Optional Equipment:

- Three-phase magnetic starters
- Low oil level switch
- Air cooled aftercooler
- Pneumatic or electronic tank drains
- Dual control on 5-10 hp units
- Vibration Isolators (horizontal only)
- Pressure lubricated (5-15 hp)
- Base mounted units
- Two-year warranty kits
- Air dryers, filters, condensate drains



Model: 2V41C80VC

Four-Cylinder, Two-Stage Units

Model Number	hp	Comp. rpm	cfm @ 135 psig	cfm @ 175 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
2V41C60VC*	5	1310	15.4	15.2	60	475	29x21x64
2V41C80VC*	5	1310	15.4	15.2	80	515	37x22x73
2V51CP80VC**	5	1399	16.5	16.2	80	555	37x22x73
2V51CS80VC+	5	1399	16.5	16.2	80	555	37x22x73

*3450 RPM capacitor start motor, starter not required + Magnetic starter standard
 ** Combination pressure switch starter standard

Optional Equipment

- Heavy-duty slow speed three-phase motors
- Pneumatic or electronic tank drains
- Air dryers, filters, condensate drains

Industrial Two-Stage Units



Model: 241C60VCB

Optional Equipment

- Pneumatic tank drain or electronic tank drain
- Pressure lubricated
- Two-year warranty kit
- Dryers, filters and drains

Model Number	hp	Comp. rpm	cfm @ 100 psig	cfm @ 175 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
241C60VCB*	5	914	17.2	16.3	60	580	37x22x73
241C80VCB*	5	914	17.2	16.3	80	600	70x23x45
241C80VCB*	5	914	17.2	16.3	80	600	37x24x73
261CS80VC	7.5	1025	23.2	22.4	80	620	70x23x45
261CS80VC	7.5	1025	23.2	22.4	80	620	37x24x73

*3450 RPM capacitor start motor, starter not required. V=Vertical H=Horizontal

Magnetic Starter

Provides thermal overload protection for the motor. A starter is required on all two-stage units, with the exception of the 5 hp units with the capacitor start motors.



Filter/Silencer

Standard filter for two-stage units.





See pages 8-9 for Air Treatment Selection Guide

Heavy-Duty Industrial Two-Stage Units with Combination Pressure Switch/Starter

This unit comes standard with a combination pressure switch/starter. The contacts for the starter are combined into the same unit as the pressure switch. This unit is available with a 5 hp, 230 volt, single-phase motor only.

Model Number	hp	Comp. rpm	cfm @ 100 psig	cfm @ 175 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
251CP80HCB	5	942	17.7	17.2	80	660	70x23x47
251CP80VCB	5	942	17.7	17.2	80	660	37x24x74
251CP120VCB	5	942	17.7	17.2	120	750	40x30x75

Note: V = Vertical H = Horizontal
Combination Pressure Switch/Starter Standard



Model: 251CP80HCB

Heavy-Duty Industrial Two-Stage Single-Phase Units with Magnetic Starters

Model Number	hp	Comp. rpm	cfm @ 100 psig	cfm @ 175 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
251CS80HCB	5	942	17.7	17.2	80	680	70x23x47
251CS80VCB	5	942	17.7	17.2	80	680	37x24x74
251CS120VCB	5	942	17.7	17.2	120	770	40x30x75
271CS80HCB	7.5	1025	23.8	22.6	80	720	70x23x47
271CS80VCB	7.5	1025	23.8	22.6	80	720	37x24x74
271CS120VCB	7.5	1025	23.8	22.6	120	800	40x30x75
P2101CS80HCB	10	968	35.9	35.0	80	800	73x26x49
P2101CS12HCB	10	968	35.9	35.0	120	850	78x28x55
P2101CS12VCB	10	968	35.9	35.0	120	1000	40x30x75

Note: V = Vertical H = Horizontal
Magnetic Starter Standard



Model: P2103D12VCB

Heavy-Duty Industrial Two-Stage Three-Phase Units

Model Number	hp	Comp. rpm	cfm @ 100 psig	cfm @ 175 psig	Tank Size (gal)	Ship. Wt (lb)	LxWxH (in)
253D80HCB	5	942	17.7	17.2	80	680	70x23x47
253D80VCB	5	942	17.7	17.2	80	680	37x24x74
253D120VCB	5	942	17.7	17.2	120	770	40x30x75
273D80HCB	7.5	1025	23.8	22.6	80	720	70x23x47
273D80VCB	7.5	1025	23.8	22.6	80	720	37x24x74
273D120VCB	7.5	1025	23.8	22.6	120	800	40x30x75
P2103D80HCB	10	968	35.9	35.0	80	800	73x26x49
P2103D12HCB	10	968	35.9	35.0	120	850	78x28x55
P2103D12VCB	10	968	35.9	35.0	120	1000	40x30x75
2153D80HCA	15	923	54.4	51.0	80	957	73x26x49
2153D12HCA	15	923	54.4	51.0	120	995	78x28x55

Note: V = Vertical H = Horizontal
Optional Magnetic Starter Required on Three-Phase Units



Model: 2153D12HCA



Quincy Compressor Stationary Units

Heavy Duty Engine Powered Two-Stage Units

- Kohler or Honda gasoline engines with electric start
- Yanmar 10 hp diesel engine
- 30-gallon ASME tank standard on 10 hp - 13 hp
- 60-gallon ASME tank standard on 18 hp
- Battery and cable not Included

Optional Equipment

- Head unloaders
- Two-year warranty kit
- Vibration isolator pads
- Pressure lubricated

Model Number	hp	Engine	Comp. rpm	cfm @ 100 psig	cfm @ 175 psig	Tank Size (gal)	LxWxH (in)
D205Y30HC	10	Yanmar	1060	19.8	18.7	30	42x21x40
D207Y30HC	10	Yanmar	990	23.2	21.9	30	42x21x40
G211K30HCD	11	Kohler	1060	19.3	18.7	30	42x21x40
G211H30HCB	11	Honda	1060	19.3	18.7	30	42x21x40
G212K30HCD	13	Kohler	1060	24.7	23.6	30	42x21x40
G218K60HCA	18	Kohler	680	40.0	37.4	60	53x26x46

Head unloaders and alternator standard on 18 hp Kohler unit, 6 gallon fuel tank shipped loose.



Model: G211K30HCD

Two-Stage Basic Compressor Pumps

Model Number	hp	Lubrication	Bore		Stroke (in)	Min/Max (rpm)	Ship. Wt. (lb)
			LP(in)	HP(in)			
QT-5	3-5	Splash	4.00	2.25	3	400-1050	140
QT-7.5	5-7.5	Splash	4.50	2.50	3	540-1060	150
PLT-5	3-5	Pressure	4.00	2.25	2	400-1050	150
PLT-7.5	5-7	Pressure	4.50	2.50	3	540-1060	140
QT-10	10	Splash	5.00	2.75	3	400-968	220
QT-15	10-15	Splash	4.50	2.50	3	400-1150	365
PLT-10/15	10-15	Pressure	4.50	2.50	3.5	400-1150	375



Model: QT-5

Quin-Cip® Lubricant

Think of your compressor as an investment; We do. That's why we developed Quin-Cip to ensure the efficiency and performance of your investment. Quin-Cip protects against high temperatures and frictional wear of bearings and cylinders that can dramatically reduce the life of your compressor.

Recommended for all Quincy compressors. Reduces carbon build up in the valves and extends the life of the compressor. Available in 8 oz., one-quart, and one-gallon containers. Available in 3 different SAE weights.





See pages 8-9 for Air Treatment Selection Guide

Heavy Duty Industrial Two-Stage Duplex Units

Standard Features:

- Two – two-stage basic compressors on one tank
- Two motors with a total horsepower range of 10 to 30 hp
- Splash lubricated
- Heavy-Duty 1725 rpm industrial motors
- Three-phase motors from 5 to 15 hp 200/208, 230 or 460 volt
- Horizontal ASME coded tanks
- 100% duty cycle at specified pressures
- Filter/silencer (2 per unit, 4 per unit on 15 hp)
- One-year warranty standard on complete unit

Optional Features:

- Pressure lubricated 5 to 15 hp
- Alternating duplex control panel
- Dual controls (2 per unit)
- Low oil level switch (2 per unit)
- Air-cooled aftercooler (2 per unit)
- Vibration isolators
- Pneumatic tank drain or electronic drain
- Optional tank sizes
- Single-phase motors (5 to 10 hp)
- Two-year warranty kits
- Air dryers, filters and condensate drains

Model Number	hp (x2)	Tank Size (gal)	Comp. rpm	cfm @ 175 psig (x2)	Ship. Wt. (lb)	LxWxH (in)
253D80DC	5	80 H	942	17.2	925	69x24x46
273D120DC	7.5	120 H	1025	22.6	1078	78x28x55
2103D200DC	10	200 H	968	35.0	1600	106x30x64
2153D200DC	15	200 H	923	52.5	1900	106x30x64

1725 RPM motor



Model: 253D80DC



Aftercoolers

One of the most effective means of reducing the discharge temperature and removing moisture from your compressor. An aftercooler will lower the inlet temperature to within 15°F of the ambient conditions. Aftercoolers are installed at the factory.

Low Oil Level Switch

The Low Oil Level Switch provides protection to the compressor by disengaging the starter/contacter and shutting the motor off. (oil level still requires monitoring) LOL switches are installed at the factory.



Vibration Isolator Pad

Recommended for Horizontal Stationary Units



Quincy Compressor Stationary Units

Air Treatment Selection Guide

Industrial Single Stage Tank Mounted Units

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
1V41C30HC5	5	QPHT25	DCNT30	CSNT30	INCLUDED
1V41C30VC5	5	QPHT25	DCNT30	CSNT30	INCLUDED
1V41C60VC5	5	QPHT25	DCNT30	CSNT30	INCLUDED
1V41C80VC5	5	QPHT25	DCNT30	CSNT30	INCLUDED

Industrial Two Stage Four Cylinder Units

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
2V41C60VC	5	QPHT25	DCNT30	CSNT30	INCLUDED
2V41C80VC	5	QPHT25	DCNT30	CSNT30	INCLUDED
2V51CP80VC	5	QPHT25	DCNT30	CSNT30	INCLUDED
2V51CS80VC	5	QPHT25	DCNT30	CSNT30	INCLUDED

Industrial Two Stage Units - Splash Lubricated

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
241C60VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
241C80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
241C80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
261CS80HC	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
261CS80VC	7.5	QPHT25	DCNT30	CSNT30	INCLUDED

Heavy Duty Industrial Two Stage Units with Combination Pressure Switch Starter

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
251CP80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
251CP80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
251CP120VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED





Heavy Duty Industrial Two Stage Single Phase Units w/Starter - Splash Lubricated

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
251CS80HCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
251CS80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
251CS120VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
271CS80HCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
271CS80VCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
271CS120VCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
P2101CS80HCB	10	QPHT50	DCNT60	CSNT60	INCLUDED
P2101CS12HCB	10	QPHT50	DCNT60	CSNT60	INCLUDED
P2101CS12VCB	10	QPHT50	DCNT60	CSNT60	INCLUDED

Heavy Duty Industrial Two Stage Three Phase Units - Splash Lubricated

Model	HP	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
253D80HCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
253D80VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
253D120VCB	5	QPHT25	DCNT30	CSNT30	INCLUDED
273D80HCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
273D80VCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
273D120VCB	7.5	QPHT25	DCNT30	CSNT30	INCLUDED
P2103D80HCB	10	QPHT50	DCNT60	CSNT60	INCLUDED
P2103CS12HCB	10	QPHT50	DCNT60	CSNT60	INCLUDED
P2103CS12VCB	10	QPHT50	DCNT60	CSNT60	INCLUDED
2153D80HCA	15	QPHT50	DCNT60	CSNT60	INCLUDED
2153D12HCA	15	QPHT50	DCNT60	CSNT60	INCLUDED

Heavy Duty Industrial Two Stage Duplex Units - Splash Lubricated

Model	HP Total (2 motors)	Recommended Air Treatment			
		Dryer	Prefilter	After Filter	Aftercooler
253D80DC	10	QPHT50	DCNT60	CSNT60	INCLUDED
273D120DC	15	QPHT50	DCNT60	CSNT60	INCLUDED
2103D200DC	20	QPHT75	DCNT60	CSNT60	INCLUDED
2153D200DC	30	QPHT100	DCNT125	CSNT125	INCLUDED

For optimum compressed air quality, Quincy air dryers, filters and drains are designed and individually selected to match the high standards and performance of Quincy air compressors. Non-Quincy aftermarket dryers, filters and drains may not meet Quincy quality and selection criteria, and could result in unsatisfactory compressed air quality.



Quincy Compressor Stationary Units

Air Treatment Components

Space Saving Refrigerated Dryer

QPHT Series Total Air System High Temperature Dryers integrate five different components that perform five separate functions. An air-cooled aftercooler, refrigerated dryer, moisture separator, electronic adjustable drain valve, and coalescer work in harmony to ensure absolutely clean air that's oil and dirt free.

The unit is virtually maintenance free and ships with a full refrigerant charge and oil. Heat exchangers with a smooth wall (primary) surface provide maximum heat transfer efficiency. The automatic drain has a solid state programmable timer and a manual override (particle strainer included). Installation is easy; no special wiring is required. A power cord with three-prong plug is supplied.

Ensure optimum system performance -
Request Quincy Air Treatment Products!

QPHT - High Temp Refrigerated Dryer



- Accepts 180°F inlet temperature
- Space-saving 3-in-1 design
- Eliminates water, oil, and dirt from air systems
- Prevents damage to pneumatic tools and cylinders, adding to their lifetime use
- Fewer finished-product defects
- Prevents "fisheye" paint splotches
- Reduces operational downtime
- Increase profitability and productivity
- Eliminates air line purging

Quincy Filters



- Particulate
- Coalescers
- Absorbers
- Moisture Separators
- High temperature design available
- High pressure design available
- 5 micron to 0.01 micron particulate removed
- 5 ppm to 0.003 ppm liquid carryover
- 1/4" to 3" NPT aluminum housings
- 3" to 12" flanged steel housings
- Delta P gauge
- Auto drain
- Color-coded glass filled nylon end caps
- Push-to-fit element design
- Low pressure drop/high efficiency
- 10-year housing warranty



Quincy Drains Electronic



EDT - Electronic Timer Drains

- Simple
- Reliable
- Affordable
- Adjustable open time
- Adjustable cycle time
- 1/4" and 1/2" NPT
- Large 7/16" orifice



QMAT - Electronic No Loss Drains

- Reliable
- Robust
- Save energy
- Low maintenance
- Flexible

Quincy Water/oil and Emulsion Separators



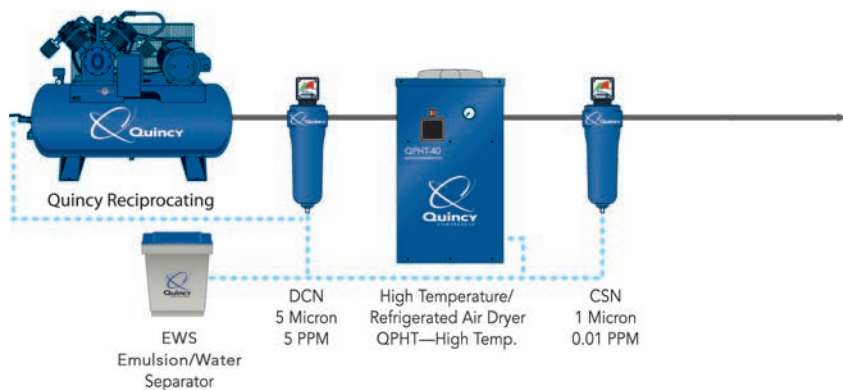
- EWS absorption process separates any oil or emulsion from water
- EWS works with Polyglycol fluids
- Simple
- No electricity required
- Low maintenance
- Durable blow molded housings
- Light weight disposable cartridges



Every Quincy Compressor stationary unit has been engineered to exceed your expectations. Just compare the features offered by the competition and the long-run advantages of Quincy's Air Master units are clear. Highly efficient. Lasting performance. Proven reliability.

Feature	Benefit	Advantage
One-piece aluminum head	Optimum heat dissipation	Compressor runs cooler, longer life, less maintenance
Free-floating stainless-steel reed valves with valve bumpers for controlled lift mounted on an aluminum valve plate	High volumetric efficiency, low clearance volume	Strength, durability, rust protection, and more air per horsepower
ASME Code interstage pressure relief valve on two-stage units	High pressure protection of the intercooler	Safety and protection of both the internal and external air system
Three-piece automotive type ring set	Efficient compression capability, controlled blow by with minimal carbon deposits on the valve	More air per horsepower input, low oil carry-over, compressor runs cooler, longer life
Air cooled finned intercooler on two-stage units	Removes heat of first stage compression	Provides operational efficiencies that reduce energy costs

Compressed Air Dryer & Filters



Air Quality Classification ISO 8573.1						Wet System Avg. ΔP	
Solids		Moisture		Oil		PSI	Mbar
Micron	ISO	PDP	ISO	PPM	ISO		
1	2	+50°F	6	0.01	2	7.8	538

- DCN Particulate/Coarse Coalescer
- CSN STD 0.1 PPM Coalescer, 1 Micron
- EWS Emulsion/Water Separator
- QPHT High Temp. Refrigerated Dryer

For more information about Quincy Compressor Stationary Compressors
 Call: 217.277.0270
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