

RELIANT™ RC40™

Ideal Choice for Mechanic and Service Trucks

For applications where truck-bed space is at a premium, yet your application demands powerful performance time after time, rely on Vanair's Reliant RC40 hydraulic-powered reciprocating compressor to get the job done.

CFM Rating (cfm)	30	30	30	30	40	40	40	40
Air Pressure (psig)	100	125	150	175	100	125	150	175
Hydraulic Flow (gpm)*	9.5	9.5	9.5	9.5	12	12	12	12
Hydraulic Pressure (psig)*	1775	1875	2100	2200	1950	2070	2175	2275

DIMENSIONS: with fittings (in.) - 37.0 L x 21.0 W x 22.0 H Dry Weight - 408 lbs.



TIGER™

Rotary Screw Reliability

Upgrade your reciprocating compressor to Vanair's Tiger hydraulic-driven rotary screw air compressor. Ideal for applications in the tire, lube and mechanic service markets, the Tiger provides heavy duty performance in a vehicle-mounted design, for the power you need for virtually any application.

CFM Rating (cfm)	30	30	35	35	40	40	45	45
Air Pressure (psig)	100	150	100	150	100	150	100	150
Hydraulic Flow (gpm)*	10	10.6	11.1	11.9	12.5	14.0	15.1	16.2
Hydraulic Pressure (psig)*	1780	2200	1840	2200	1900	2200	2000	2200

DIMENSIONS: with fittings (in.) - 35.75L x 17.5W x 19.25H Dry Weight - 350 lbs.



RELIANT™ RS85™



The Most Power in its Class

The most powerful air to get the job done, Vanair's new rotary screw RS85 is the product you need. Offering enough air to power a 90 lb. jackhammer, the Reliant gets you in and out of the job site fast.

NEW
Replacing
Viking & Viper
Hydraulic

Capacity (cfm)	60	60	70	70	80	80	85	85
Air Pressure (psig)	100	150	100	150	100	150	100	125
Compressor RPM	1950	1975	2275	2300	2650	2650	2850	2850
Hydraulic Flow (gpm)*	14.0	14.2	16.7	16.8	18.5	18.8	19.7	19.9
Hydraulic Pressure (psig)*	2240	2750	2300	2800	2400	3075	2470	2700

DIMENSIONS: with fittings (in.) - 39.5L x 21W x 25H Dry Weight - 400 lbs.



ADHD

Big Air Power

Get the power of an underdeck air compressor abovedeck with the ADHD. Simple design featuring Sullair rotary screw technology makes this unit the most powerful and versatile hydraulic compressor in the mobile market. Available in two configurations to meet your envelope needs.

Capacity (cfm)	125	125	160	160	185	185
Air Pressure (psig)	100	150	100	150	100	150
Hydraulic Flow (gpm)*	27.6	29.2	36.8	38.3	42.2	44.2
Hydraulic Pressure (psig)*	2100	2620	2200	2700	2400	2830
Input-Speed (rpm)	1340	1370	1770	1780	2015	2040

45.2 L x 39 W x 30 H (INCHES) Standard side-mount receiver configuration
47.7 L x 39 W x 30 H Standard side-mount receiver configuration 185 cfm @ 150 psi
Dry Weight - 730 lbs.

45.2 L x 30.5 W x 45.5 H (INCHES) Vertically stacked receiver with fittings
47.7 L x 30.5 W x 45.5 Vertically stacked receiver with fittings 185 cfm @ 150 psi.
Dry Weight - 900 lbs.



* Ratings are approximate and are based on 120 degrees F hydraulic fluid temperature. Add 400 psi minimum to hydraulic requirements for hydraulic system continuous pressure ratings. Reliant RC40 & Tiger hydraulic relief valve is set at 3200 psi. Reliant RS85 hydraulic relief valve is set at 3300 psi. Consult Vanair for specific details.

Specs:

	RELIANT™ RC40™	TIGER™	RELIANT™ RS85™	ADHD
SPECIAL FEATURES	<ul style="list-style-type: none"> • Electrical 12-volt DC or 24-volt DC • Gear-type hydraulic motor • Powder-coated, galvanized sheet-metal enclosure • Operating conditions are -20 to +110 Degree F at the air inlet 			
	<ul style="list-style-type: none"> • 4 - Pin Weather Proof Electrical Connection • 3/4" FNPT Air Discharge • Available with open center or closed center hydraulic manifold block 	<ul style="list-style-type: none"> • Integral hydraulic cooler <p>Supply connections:</p> <ul style="list-style-type: none"> - Hydraulic oil supply - 3/4" 37° JIC - Hydraulic oil return - 1" 37° JIC 		<ul style="list-style-type: none"> • Vanair® Lifetime Warranty on air end • Directly coupled to a gear-type hydraulic motor • Side-mounted or vertically stacked receiver/oil sump • Oil-injected Sullair® rotary screw air end • Integrated inlet valve • In tank coalescer for 5 years or 3000 hour life
	<ul style="list-style-type: none"> • Reciprocating type • Integral hydraulic oil cooler • V-Belts driven by hydraulic motor • Vibration isolation for air compressor and drive system for quiet operation <p>Added features:</p> <ul style="list-style-type: none"> - Rugged, cast-iron crankcase - Corrosion-resistant steel valves - Tapered roller-type main bearings - Balanced crankshaft - Weight-matched balanced pistons - High-flow valves - Lightweight connecting rods 		<ul style="list-style-type: none"> • Encapsulated oil-injected rotary screw • Spin-on air-oil separating element <ul style="list-style-type: none"> • On-off solenoid valve • Air-to-oil compressor fluid cooler • Integrated inlet valve 	
AIR COMPRESSOR CONTROL SYSTEM	Integral on-off manifold with solenoid diverter valve and hydraulic pressure relief valves			Not Included
SAFETY EQUIPMENT	Air pressure-relief safety valve and automatic blow-down on shutdown			
	Hydraulic oil pressure-relief valve			Not Included
	N/A	High-temperature & high-pressure compressor shutdown • Oil fill plug safety relief		
INSTRUMENTATION	Conveniently located, easy-to-read instrumentation panel with a hour meter and pressure gauge			
	N/A	Conveniently located: Easy-to-read compressor temperature gauge		
OPTIONS/ ACCESSORIES	20 - 60 gallon air reservoirs • Aftercoolers • Air hoses • Air tools • Cold weather package to prevent freeze-ups • Filter/lubricator/regulator (FLR) • Hose reels and fittings • OSHA safety valve (velocity fuse) • Post drivers • Service/control line moisture separators • Tool oiler/lubricator			

Application Recommendations:

	RELIANT™ RC40™	TIGER™	RELIANT™ RS85™	ADHD
VEHICLE MOUNT STYLE	Side	Side	Side	Deck
TOOLS & APPLICATIONS:				
Air Impact Wrench*	up to 1"	up to 1"	up to 1"	up to 1 1/2"
Chipping Hammer*	X	X	X	X
Cut-Off Tool*	X	X	X	X
Drill*	X	X	X	
Fluid Transfer Pumps*	X	X	X	X
Grinder*	X	X	X	X
Jack Hammer*	30 lb.	30 lb.	60+90 lb.	60+90 lb.
Large Vessel Pressure Checking*				X
Mole Tool*			X	X
Nut Runner*			X	X
Rail Shuttling*				X
Tire Inflation*	X	X	X	X
RECOMMENDED TRUCK APPLICATION				
Mechanical Crane Truck	X	X	X	
Tire Truck	X	X	X	X
Lube Truck	X	X	X	
Service Truck	X	X	X	
Specialty Applications	X	X	X	X

* Ratings are approximate and are based on new equipment specifications. Refer to tool manufacturer recommendations for tool consumption needs. Makes and models differ in requirements.

HYDRAULIC SYSTEM REQUIREMENTS

All hydraulic ratings and pressures are at the machine and do not take into account the pressure drops of individual hydraulic systems. These pressure drops need to be taken into account and added to the rating of the hydraulic pump and components.

Vanair highly recommends consulting a hydraulic supply expert for specifying the correct hydraulic pump size and type, oil reservoir size, hydraulic cooler, hydraulic pressure relief, and other hydraulic supply components for your application. Please take into consideration the following: The hydraulic flow and pressure requirements of the air compressor • There is a continuous hydraulic load when the compressor is running • The duty cycle and ambient operating temperatures • Other hydraulic equipment that may share the same hydraulic supply system (Vanair recommends a dedicated pump and hydraulic circuit)



Product improvement is a continuing goal. Design and specifications are subject to change without notice or obligations.