



CATEGORY 1

Above-deck Hydraulically Driven Air Compressor Systems

Reliant™ Series • ADHD Series



The Most Powerful, Compact Air Compressors in Their Class

Vanair’s powerful abovedeck air compressors are engineered to be your Mobile Power Solution®. Our hydraulically driven reciprocating and rotary screw machines offer 30 to 185 CFM of air power. Meeting the most demanding applications and conditions for multiple heavy duty markets, these vehicle-mounted systems carry many built-in features, including cold weather packages and integrated hydraulic/compressor oil coolers. With reliable power, maximum fuel efficiency, and performance, you can rely on Vanair’s abovedeck hydraulic machines to get your job done.



RELIANT™ RC40



Hydraulically Driven Reciprocating Air Compressor

Field Proven Performance. Ideal for: Tire and Mechanic Trucks!



SPECIFICATIONS								
Capacity (CFM)	30	30	30	30	40	40	40	40
Air Pressure (PSI)	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 (PSI)*	1775	1875	2100	2200	1950	2070	2175	2275

Reliant™ RC40 Dimensions with fittings (In.):
37.0L X 21.0W X 22.0H | Dry Weight (Lbs.): 408

Relief valve is set at 3200 PSI. Consult Vanair® for specific details.



RELIANT[™]

RC40-L



Hydraulically Driven Aluminum Reciprocating Air Compressor

The Leading Air Compressor for the Tire and Mechanic Truck Industry!



SPECIFICATIONS								
Capacity (CFM)	30	30	30	30	40	40	40	40
Air Pressure (PSI)	100	125	150	175	100	125	150	175
Hydraulic Flow (GPM)*	8.25	8.25	8.25	9	10	10	10	10
Hydraulic Pressure (PSI)*	2300	2450	2575	2600	2300	2470	2550	2600

Reliant[™] RC40-L Dimensions with fittings (In.):
33.7L X 21.0W X 24.3H | Dry Weight (Lbs.): 245



RELIANT[™]

RS45



Hydraulically Driven Rotary Screw Air Compressor

Air-On-Demand. Ideal for: Tire and Mechanic Trucks!



SPECIFICATIONS												
Capacity (CFM)	30	30	30	35	35	35	40	40	40	45	45	45
Air Pressure (PSI)	100	125	150	100	125	150	100	125	150	100	125	150
Hydraulic Flow (GPM)*	7	7.2	7.3	8.3	8.4	8.6	9.6	9.7	9.8	11	11.1	11.2
Hydraulic Pressure (PSI)*	1950	2175	2375	2000	2200	2450	2050	2250	2475	2150	2350	2550

Reliant[™] RS45 Dimensions with fittings (In.):
35.3L X 21W X 22.81H | Dry Weight (Lbs.): 195



RELIANT™ RS85-L



Hydraulically Driven Aluminum Rotary Screw Air Compressor



30% Lighter Than its Predecessor. More Powerful Than the Competition. Quieter Operation.

SPECIFICATIONS								
Capacity (CFM)	60	60	70	70	80	80	85	85
Air Pressure (PSI)	100	150	100	150	100	150	100	150
Compressor (RPM)	1950	1975	2275	2300	2650	2650	2850	2850
Hydraulic Flow (GPM)*	14	14.2	16.5	16.8	18.5	18.8	19.7	19.9
Hydraulic Pressure (PSI)*	2500	2750	2650	2800	2800	3075	2800	2950

Reliant™ RS85-L Dimensions with fittings (In.):
38.55L X 21.0W X 24.64H | Dry Weight (Lbs.): 285 lbs



RELIANT™ RS85-LYM



Hydraulically Driven Aluminum Rotary Screw Air Compressor



Designed for the rigorous demands of surface and subsurface mining operations.

SPECIFICATIONS								
Capacity (CFM)	60	60	70	70	80	80	85	85
Air Pressure (PSI)	100	150	100	150	100	150	100	125
Compressor (RPM)	1950	1975	2275	2300	2650	2650	2850	2850
Hydraulic Flow (GPM)*	14	14.2	16.5	16.8	18.5	18.8	19.7	19.9
Hydraulic Pressure (PSI)*	2500	2750	2650	2800	2800	3075	2800	2950

Reliant™ RS85-LYM Unit Dimensions with fittings (In.):
34.73L X 21.23W X 24.78H | Dry Weight (Lbs.): 285 Lbs

* Ratings are approximate and are based on 120°F hydraulic fluid temperature. Add 400 PSI minimum to hydraulic requirements for hydraulic system continuous pressure ratings. Consult Vanair® for specific details.



Capable of powering a 90lb. jack hammer!

ADHD



Hydraulically Driven Rotary Screw Air Compressor



Ideal for: Utility Trucks, Lube Trucks, Heavy-Duty Mechanic Trucks and Paint Strippers!

SPECIFICATIONS						
Capacity (CFM)	125	125	160	160	185	185**
Air Pressure (PSI)	100	150	100	150	100	150
Hydraulic Flow (GPM)*	27.6	29.2	36.8	38.3	42.2	44.2
Hydraulic Pressure (PSI)*	2100	2620	2200	2700	2400	2830
Input-Speed (RPM)	1340	1370	1770	1780	2015	2040

ADHD Dimensions with fittings (In.):

46.3L X 47.4W X 26.8H | Dry Weight (Lbs.): 730 | Standard side-mount receiver configuration

46.3L X 47.4W X 26.8H | Dry Weight (Lbs.): 755 | Standard side-mount receiver configuration 185 CFM @ 100 PSI

45.9L X 35.7W X 42.9H | Dry Weight (Lbs.): 900 | Vertically stacked configuration receiver

48.4L X 35.7W X 42.9H | Dry Weight (Lbs.): 925 | Vertically stacked configuration receiver 185 CFM @ 100 PSI



**185 CFM @ 150 PSI systems may require additional cooling.

ADHD-LYM



Hydraulically Driven Rotary Screw Air Compressor



Ideal for: Underground mining operations, particularly those using ANFO.

SPECIFICATIONS						
Capacity (CFM)	125	125	160	160	185	185
Air Pressure (PSI)	100	150	100	150	100	150
Hydraulic Flow (GPM)*	30	30	37	37	42	45
Hydraulic Pressure (PSI)*	2500	2650	2300	2900	2400	2850
Input-Speed (RPM)	1330	1330	1675	1675	1920	1920

ADHD Unit Dimensions with fittings (In.):

46.3L X 40.3W X 26.8H | Dry Weight (Lbs.): 730 | Standard side-mount receiver configuration

Vanair® does not recommend this machine be placed in an enclosure or inside a chassis.

* Ratings are approximate and are based on 120 °F hydraulic fluid temperature. Add 400 PSI minimum to hydraulic requirements for hydraulic system continuous pressure ratings. Consult Vanair® for specific details.





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