

AIRCOOLED

Single Stage - LSA Series

VYAAN Model	Compressor Speed RPM	Max. Operating Pressure		Working Pressure		*Actual Delivery		Air Receiver Volume Litres	Rated Motor Power		Air Connection	# Weight kg
		bar	psig	bar	psig	m ³ /min	cfm		kW	HP		
VRA-1-SS	575	7	102	5.5	80	0.03	1.1	50	0.4	0.5	G1/4"	90
VRA-2-SS	575	7	102	5.5	80	0.07	2.6	80	0.75	1	G1/4"	110
VRA-10-SS	600	5.5	80	3.5	50	0.31	11	150	2.2	3	G1/2"	190
VRA-15-SS	800	5.5	80	3.5	50	0.41	14.3	250	3.7	5	G1/2"	350
VRA-30-SS	900	3.5	50	3.1	45	0.82	28.8	250	5.6	7.5	G1/2"	370
VRA-40-SS	600	3.5	50	3.1	45	1.09	38.4	300	7.5	10	G1/2"	460
VRA-60-SS	875	3.5	50	3.1	45	1.67	59	300	9.3	12.5	G1/2"	490
VRA-70-SS	800	3.5	50	3.1	45	1.87	66	500	11.2	15	G1"	720
VRA-100-SS	800	3.5	50	3.1	45	2.80	99	500	15	20	G1"	765

* Actual Delivery as per Suction Conditions (1 Bar = 14.5 psig)

Two Stage - LTA Series

Type	VYAAN Model	Compressor Speed RPM	Max. Operating Pressure		Working Pressure		*Actual Delivery		Air Receiver Volume Litres	Rated Motor Power		Air Connection	# Weight kg
			bar	psig	bar	psig	m ³ /min	cfm		kW	HP		
Type A - 2" & 1-3/4" X 2-3/4"	VRA-4-TS	500	12	175	10	145	0.12	4.4	100	1.1	1.5	G1/2"	175
	VRA-5-MTS	575	17	250	10	145	0.14	5.1	100	1.5	2	G1/2"	180
	VRA-7-MTS	750	17	250	10	145	0.17	6.1	150	2.2	3	G1/2"	190
Type B - 4" & 2-1/2" X 2-3/4"	VRA-6-TS	960	14	203	10	145	0.22	7.8	150	2.2	3	G1/2"	190
	VRA-10-TS	600	10	145	10	145	0.28	10	250	2.2	3	G1/2"	225
	VRA-10-MTS	660	17	250	12	175	0.29	10	250	3.7	5	G1/2"	345
Type C - 5" & 3" X 3-1/2"	VRA-15-TS	950	12	175	10	145	0.42	15	250	3.7	5	G1/2"	350
	VRA-15-MTS	500	17	250	12	175	0.42	15	250	5.6	7.5	G1/2"	365
	VRA-18-TS	600	14	203	10	145	0.51	18	250	5.6	7.5	G1/2"	370
Type D - 5-1/2" & 7" X 4"	VRA-20-TS	660	10	145	8.6	125	0.57	20	250	5.6	7.5	G1/2"	375
	VRA-30-TS	900	12	175	10	145	0.85	30	250	7.5	10	G1/2"	445
	VRA-35-TS	800	10	145	8.6	125	1.00	35.3	300	7.5	10	G3/4"	465
Type E - 5" & 5" X 3-1/2" X 4"	VRA-35-MTS	800	14	203	10	145	0.94	33.3	300	9.3	12.5	G3/4"	495
	VRA-42-TS	900	14	203	10	145	1.21	42.6	300	11.2	15	G3/4"	515
Type F - 5-1/2" & 5-1/2" X 6" X 4"	VRA-50-MTS	750	17	250	10	145	1.43	50.6	500	11.2	15	G1"	710
	VRA-60-TS	900	14	203	10	145	1.73	61.1	500	15	20	G1"	765
Type F - 5-1/2" & 5-1/2" X 6" X 4"	VRA-80-TS	800	12	175	10	145	2.27	80	500	18.7	25	G1"	810
	VRA-120-TS	1100	10	145	8.6	125	3.40	120	SKID	22	30	G1"	880

* Actual Delivery measured at Suction Conditions (1 Bar = 14.5 psig)

High Pressure - LHA Series

VYAAN Model	Compressor Speed RPM	Max. Operating Pressure		Working Pressure		*Actual Delivery		Air Receiver Volume Litres	Rated Motor Power		Air Connection	# Weight kg
		bar	psig	bar	psig	m ³ /min	cfm		kW	HP		
VRA-5-HTS	750	35	508	30	435	0.21	7.4	150	2.2	3	G1/4"	350
VRA-7-HTS	960	35	508	30	435	0.27	9.5	250	3.7	5	G1/4"	490
VRA-15-HTS	600	35	508	30	435	0.40	14	250	5.6	7.5	G1/2"	515
VRA-20-HTS	750	35	508	30	435	0.57	20	250	7.5	10	G1/2"	590
VRA-25-HTS	875	35	508	30	435	0.71	25	300	9.3	12.5	G1/2"	720
VRA-30-HTS	750	70	1015	60	870	0.79	28	500	11.2	15	G1/2"	925
VRA-40-HTS	900	70	1015	60	870	1.13	40	500	15	20	G1/2"	990
VRA-50-HTS	750	25	363	20	290	1.42	50	500	15	20	G1/2"	970

* Actual Delivery measured at Suction Conditions (1 Bar = 14.5 psig)

Air Receiver sizes indicated for each model are standard. All models can be mounted on relative air receiver sizes upon request.
 # Weights mentioned are near approximate and that of air compressors and accessories mounted on standard air receivers.
 VYAAN air compressor models can be offered tank mounted, skid mounted, base-plate mounted or even as bare units.
 VYAAN air compressor models are offered as electric or engine drives.
 Models not listed in the specification sheet above are typically variants of existing VYAAN models to suit end user requirement.
 VYAAN also manufactures Dry type Single / Two Stage Vacuum pumps. Contact for detailed technical specifications.
 Technical Modifications expected.



INDUSTRIAL AIR COMPRESSORS

RECIPROCATING
 Air Cooled | Water Cooled
 Lubricated | Non - Lubricated

0.5 - 30 hp | 0.37 - 22 kW
 20 - 75 hp | 15 - 56 kW

VYAAN



SELECT YOUR VYAAN AIR COMPRESSOR MODEL

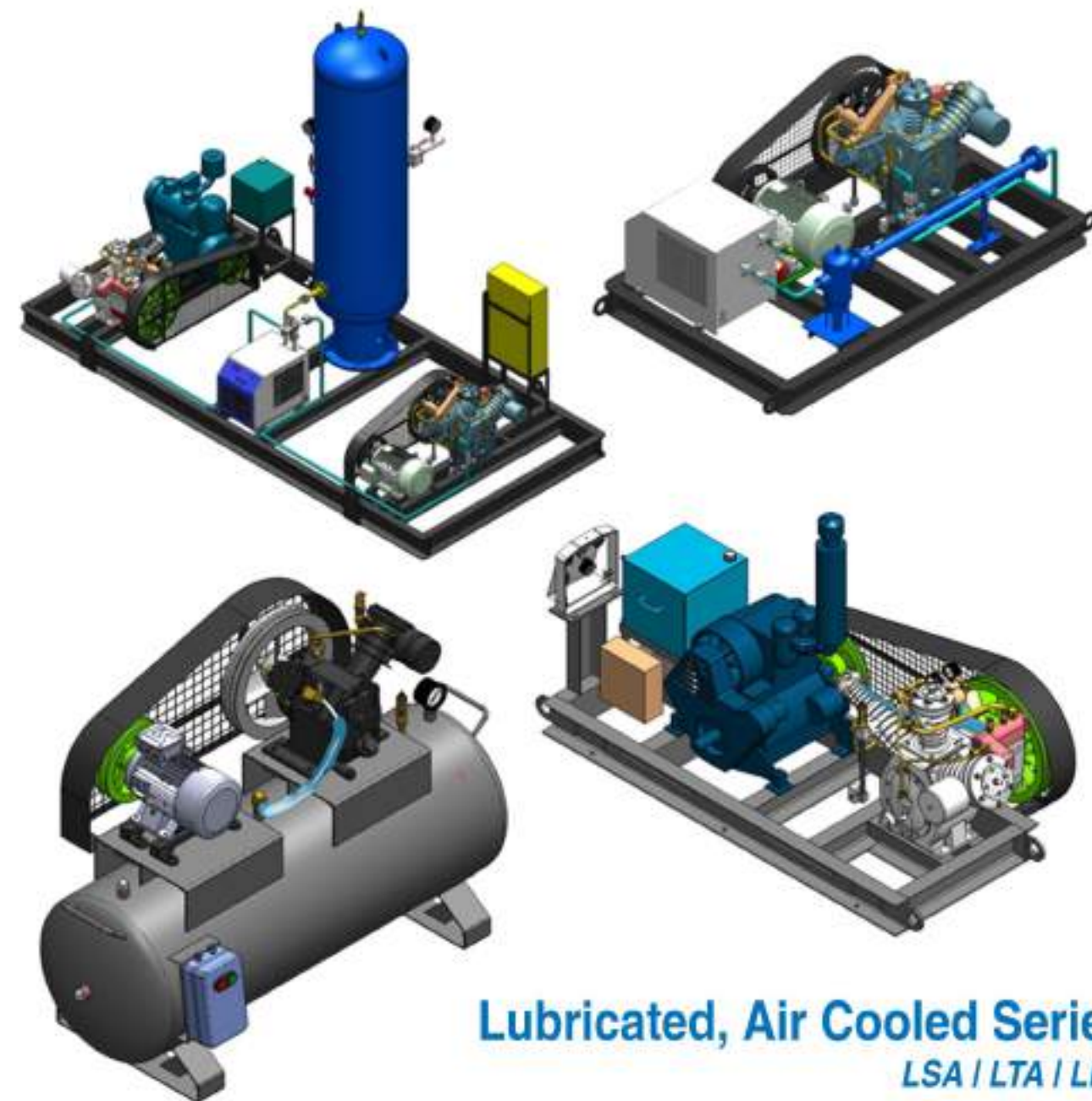
LUBRICATED	Series		Max. Operating Pressure
	LSA	LOW PRESSURE	7 bar 102 psi
	LTA	MEDIUM PRESSURE LIGHT DUTY	8.6 - 14 bar 125 - 203 psi
		MEDIUM PRESSURE HEAVY DUTY	17 bar 250 psi
	LHA	HIGH PRESSURE	70 bar 1015 psi

LOW OPERATING COSTS

ROBUST DESIGN

HIGHLY PERFORMANCE PROVEN

- **BELT TIGHTENER** – Provided for getting proper belt tension.
- **SOLID STEEL BASE** – Proper guage with heavy base for compressor and motor with slide rails ensuring fixed alignment and belt adjustment
- **STEEL TANK** – Proper guage construction conforming to BS/IS specifications with standard fittings viz., pressure guage, safety valve and drain cock.
- **V-BELT DRIVE** – Rugged construction ensuring long life.
- **SPLASH LUBRICATION** – Simple and efficient with no pipes to crack or clog, thereby eliminating any wearing parts.
- **UNLOADING DEVICE** – Automatically releases air from the cylinders and intercooler prevents starting under load whenever compressor stops. Also eliminates possibility of stalling or burning out of motor.
- **RELIEF LINE** – Unloading device opens the valve in the pipe, releasing air from the cylinders and intercooler thereby relieving them of pressure every time the compressor stops, totally enclosed within the compressor frame protected from dust and abrasive material.
- **ONE PIECE CONNECTING RODS** – Solid construction permitting close tolerance and reliable bearing design. No bolts or nuts to come loose or adjust.
- **MULTI-FINNED INTERCOOLER** – Provided with numerous fins helping efficient cooling thereby preventing carbonization of valves.
- **GROOVED PULLEYS** – Grooved compressor and motor pulleys ensuring perfect V-belt drive with sufficient reserve capacity.
- **FINNED CYLINDERS** – Separately cast and bolted to the frame with improved cooling because of finned construction.
- **FLOATING PISTON PIN** – Floating construction ensures long life with retaining rings at either ends thereby avoiding cylinder scoring.
- **PISTON RING CONSTRUCTION** – 2 Compression and 2 Oil Wiper rings ensuring low oil consumption and reducing oil vapour in the discharge line.
- **CONCENTRIC RING / FINGER VALVES** – Quick acting, heat treated high grade steel. Large flow area and durable construction preventing breakage or warping. Less heat and carbon built-up with multiple small valves. High grade steel concentric ring plate valves on units above 5 HP



Lubricated, Air Cooled Series
LSA | LTA | LHA

VYAAN Air-Cooled Reciprocating type Air Compressor models are heavy-duty, multi-stage, air-cooled reciprocating units. The specially designed piston rings and finger valves which have a large surface area, multi-finned intercooler tube in copper construction, multi-finned cylinder construction and heavier crankcase design etc. guarantees heavy duty operation. In addition to the many advantages offered by compact, air-cooled construction, moderate speeds, large-area plate valves, solid-end connecting rods and positive-acting starting unloading provide long-life dependability.

