



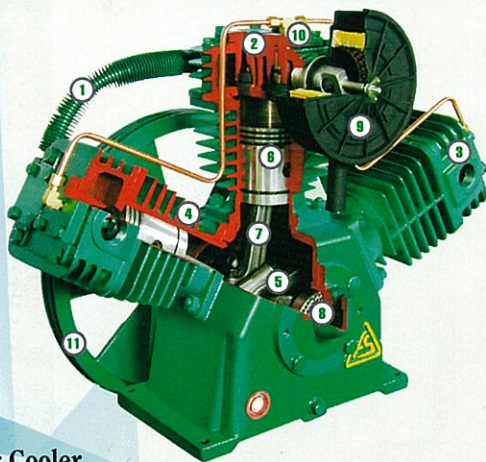
Two-Year Warranty for
VA-80, TA-80, VA-100, TA-100, TA-120



A-SERIES AIR COMPRESSORS

Model	Motor		Cylinder			Comp R.P.M	Piston Disp.		Actual Air Delivery At				Working Pressure (Kg/cm ² G)	Air Receiver			Net Weight (kg)
	Hp	Kw	Bore (mm)	No.	Stroke (mm)		L/min	CFM	5Kg/cm ² G		7Kg/cm ² G			Dimensions	Capacity	Max Pressure	
									L/min	CFM	L/min	CFM					
CA-65	0.5	0.37	65	1	44	585	85	3.00	72.25	2.55	63.75	2.25	7	Ø 244x650	28	10	45
VA-51	0.5	0.37	51	2	42	512	87	3.07	73.95	2.61	65.25	2.30	7	Ø 300x910	60	10	60
VA-65	1	0.75	65	2	44	480	140	4.94	119.00	4.20	105.00	3.71	7	Ø 300x1050	70	10	85
TA-65	2	1.5	65	3	48	635	303	10.70	257.55	9.10	227.25	8.03	7	Ø 300x1050	70	10	95
VA-80	3	2.2	80	2	60	770	462	16.32	392.70	13.87	346.50	12.24	7	Ø 350x1160	105	10	145
TA-80	5.5	4	80	3	60	850	767	27.09	651.95	23.03	575.25	20.32	7	Ø 390x1410	155	10	180
VA-100	7.5	5.5	100	2	70	950	1045	36.91	888.25	31.37	783.75	27.68	7	Ø 485x1440	245	10	285
TA-100	10	7.5	100	3	70	900	1484	52.41	1261.40	44.55	1113.00	39.31	7	Ø 485x1770	304	10	350
TA-120	15	11	120	3	80	800	2171	76.68	1845.35	65.18	1628.25	57.51	7	Ø 485x1770	304	10	420
TA-155L	20	15	155	2	90	725	2462	86.96	2092.70	73.91	1846.50	65.22	7	Ø 640x1760	500	10	720
			115	1													

The interior construction diagram of air-cooled reciprocated air compressor



1. After Cooler

The copper tube is fitted with high-efficiency cooling fins that effectively reduce gas working temperature and increase air compression efficiency.

2. Valve Assembly

All units use large disc-type valves made from Swedish steel for high efficiency and long wear

3. Cool Cylinder Heads

Deep directional fins provide quick cooling; compact streamlined air passages in the cylinder head permit fast, efficient flow of cooler intake air and rapid removal of discharge air.

4. Long-Life Cylinders

Precision-machined cylinder walls are honed glass-smooth to reduce friction and wear to a minimum. Extra-deep fins provide increased cooling and greater strength.

5. Balanced Crankshaft

Made from a high-tensile forged alloy steel and precisely ground and dynamically balanced to insure long life and smooth operation. Journals are ground precisely to extend bearing life.

6. Ring

Long life industrial design compression and oil control rings are used to assure maximum performance.

7. Connecting Rods

All units contain precision broed, industrial quality designed connecting rods ... a splash lubrication is used.

8. Main Bearings

To insure long life and easy maintenance, high quality ball bearings or tapered roller bearings are used in the FUSHENG compressors.

9. Suction Strainer

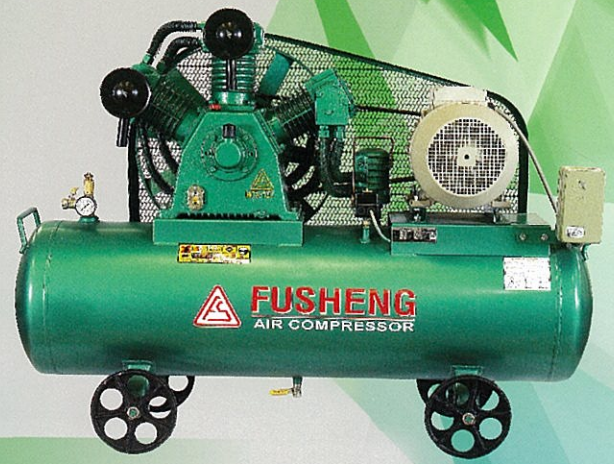
Permanent type strainer effectively filters air and muffles noise of air intake. Easily removed for periodic cleaning

10. Continuous Running Unloader

For continuous-running air compressors, unloader lets unit idle load-free until air supply drops to cut-in pressure; automatically lets unit idle again after high pressure limit is reached. (Tubing and fittings not included on bare pumps

11. Balanced Fan-Type Flywheel

Airfoil-type spokes provide a continuous powerful blast of cooling air for all portions of the compressors; balancing assures smooth vibrationless operation.



TWO-STAGE AIR-COOLED AIR COMPRESSORS

Model	Motor		Cylinder			Comp R.P.M	Piston Disp.		Actual Air Delivery At				Working Pressure (Kg/cm ² G)	Air Receiver			Net Weight (kg)
	Hp	Kw	Bore (mm)	No.	Stroke (mm)		L/min	CFM	10Kg/cm ² G		12Kg/cm ² G			Dimensions Ø mmxmm	Capacity Liter	Max Pressure Kg/cm ²	
									L/min	CFM	L/min	CFM					
HVA-65	1	0.75	65	1	44	750	110	3.89	88.00	3.11	77.00	2.72	12	Ø 300x1050	70	15	100
HTA-65	2	1.5	42	1	48	800	255	9.01	204.00	7.21	178.50	6.30	12	Ø 300x1050	70	15	110
			65	2													
HTA-65H	3	2.2	51	1	48	950	303	10.70	242.40	8.56	212.10	7.49	12	Ø 350x1160	105	15	135
			65	2													
HTA-80	5.5	4	80	2	60	950	573	20.24	458.40	16.19	401.10	14.17	12	Ø 390x1410	155	15	220
			65	1													
HTA-100	7.5	5.5	100	2	70	750	825	29.14	660.00	23.31	577.50	20.40	12	Ø 485x1440	245	15	330
			80	1													
HTA-100H	10	7.5	100	2	70	990	1089	38.46	871.20	30.77	762.30	26.92	12	Ø 485x1770	304	15	360
			80	1													
HTA120	15	11	120	2	80	800	1445	51.04	1156.00	40.83	1011.50	35.73	12	Ø 485x1770	304	15	450
			100	1													



■ Semi-automatic type:

This type uses a pilot valve to control the no load or loaded operation status of compressor. When the system pressure reaches the high-limit set point (7.0 kg/cm², for example), pilot valve will open to actuable suction unloader to allow compressor no-load running.

When system pressure drops down to the low-limit set point (5.0 kg/cm², for example), pilot valve will close and compressor returns to loaded run status. The semi-automatic operating method is suitable for frequent-run use of compressed air.



■ Full-automatic type:

This type uses a pressure switch to control when the compressor runs and stops. When the system pressure reaches the upper-limit set point (7.0 kg/cm², for example), pressure switch activates to cut off motor power and ceases compressor operation. When system pressure drops down to the pressure low-limit set point (5.0 kg/cm², for example), pressure switch re-connects motor power to re-start compressor operation. The automatic operating method is suitable for intermittent run duty. And in order to protect motor and EM switch, the restart frequency should not exceed six times per hour.



TWO-STAGE AIR-COOLED AIR COMPRESSORS WITH VERTICAL TANK

Model	Motor		Cylinder			Comp R.P.M	Piston Disp.		Actual Air Delivery At				Working Pressure (Kg/cm ² G)	Air Receiver			Net Weight (kg)
	Hp	Kw	Bore (mm)	No.	Stroke (mm)		L/min	CFM	10Kg/cm ² G		12Kg/cm ² G			Dimensions Ø mmxmm	Capacity Liter	Max Pressure Kg/cm ²	
									L/min	CFM	L/min	CFM					
HTA-65H-VT	3	2.2	65	2	48	950	303	10.70	242.40	8.56	212.10	7.49	12	Ø 566x1160	245	15	235
			51	1													
HTA-80-VT	5	4	80	2	60	950	573	20.24	458.40	16.19	401.10	14.17	12	Ø 566x1160	245	15	300
			65	1													
HTA-100-VT	7.5	5.5	100	2	70	750	825	29.14	660.00	23.31	577.50	20.40	12	Ø 640x910	245	15	390
			80	1													
HTA-100H-VT	10	7.5	100	2	70	990	1089	38.46	871.20	30.77	762.30	26.92	12	Ø 640x910	245	15	400
			80	1													