

Xinran Air Compressor ›› Xinran Piston Air Compressor



Xinran Air Cooled Piston Air Compressor

Heavy load, low rotating speed, durability:

1. Automatic Unloader

Smart structure to assure safety

2. Suction, exhaust valve unit

Valve plate adopts Sweden ASSAB special valve steel with high strength

3. Air Filter

Filter air effectively and has high noise deadening function.

4. Cylinder Cover

Dense streamlined air channel has high noise deadening function.

5. Piston ring

Compression ring and oil making ring are both processed precisely with little lubricant loss.

6. Cylinder

Inner wall is processed and grinded by precision CNC machinery, wear proof and durable.

7. Connection Rod

Precisely processed by special machine, make compressor operate smoothly and stable, no oil loss

8. Bent Axle

Wearing parts are hardened processed on the surface with excellent abrasion proof property.

9. Bent Axle Box

Central hole of the bearing and each face are processed by the same CNC machine to assure parallelism and verticality.

10. Belt Conveyor of Air Compressor

With strict power balance correction to make compressor operate more stable

11. Bearing

Use high quality bearing to assure using life

12. Cooling Copper

High efficiency cooling fin, having functions of heating loss and damp removing.

Automatic Pneumatic Control Type: Empty Machine-Heavy Machine Operation

Automatic pneumatic control system controls empty and heavy machine of compressor by pilot valve. When the pressure is more than set pressure (for example, 0.8Mpa), pilot valve opens and push the unloader to make compressor operate without load; when the pressure reduces to the minimum set pressure (for example, 0.6Mpa), pilot valve closes and make compressor operate with heavy load. This automatic pneumatic control system suits for frequently used places.

Automatic Electrical Control Type: Heavy Machine-Stop Operation

Automatic Electrical control system controls start and stop of compressor by pressure switch. When the pressure reaches the maximum set pressure (for example, 0.8Mpa)., pressure switch cuts off motor power automatically to make compressor stop working; when system pressure is at the minimum set pressure (for example, 0.6Mpa), the pressure switch will turn on the current automatically to restart the motor and compressor. This automatic electrical control system suits for interval working.



Piston Air Compressor

- Heavy load
- Low rotating speed
- Operating for long time
- Once oil injection can be used for long time

Specification of Piston Air Compressor

Technical Data of Single Wind Cooled Air Compressor

	VA-65	TA-65	VA-80	TA-80	VA-100	TA-100	TA-120A	TA-125
Motor Kw	0.75	1.5	3.0	4.0	5.5	7.5	11	15
Cylinder Diameter x Amount	Ø65x2	Ø65x3	Ø80x2	Ø80x3	Ø100x2	Ø100x3	Ø120x3	Ø125x3

mmxpcs								
Distance mm	44	48	60	60	70	70	80	80
Rotating Amount rpm	510	680	950	875	950	900	800	770
Actual Amount of Air Discharging m ³ /min	0.085	0.19	0.37	0.52	0.67	1.0	1.5	2.0
Pressure MPa	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Gas Storage Tank m ³	0.07	0.07	0.08	0.13	0.17	0.25	0.30	0.32
Dimensions LxWxH mm	1050x390x760	1050x390x770	1166x450x810	1235x480x970	1360x550x1050	1415x625x1175	1610x660x1375	1710x760x1310
Weight Kg	94	107	145	203	268	328	450	500

Technical Data of Double Wind Cooled Air Compressor

Model	HTA-65	HTA-65H	HTA-80	HTA-100	HTA-100H	HTA-120
Motor Kw	1.5	2.2	4.0	5.5	7.5	11
Cylinder Diameter x Amount mmxpcs	LPØ65x3 HPØ51x1	LPØ80x2 HPØ51x1	LPØ80x3 HPØ65x1	LPØ100x2 HPØ80x1	LPØ100x3 HPØ80x1	LPØ120x3 HPØ100x1
Distance mm	48	48	60	70	70	80
Rotating Amount rpm	800	950	950	750	990	800
Actual Amount of Air Discharging m ³ /min	0.18	0.22	0.45	0.65	0.84	1.22
Pressure MPa	1.25	1.25	1.25	1.25	1.25	1.25
Gas Storage Tank m ³	0.07	0.08	0.13	0.18	0.23	0.25
Dimensions LxWxH mm	1050x390x770	1165x400x775	1325x490x970	1490x590x1130	1505x610x1175	1685x660x1250
Weight Kg	122	133	223	344	379	494

Features of Piston Air Compressor:

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