

Specification for AE6 (08A - 75A) Air Cooled

MODEL		AE6-08A	AE6-11A	AE6-15A	AE6-18A	AE6-22A	AE6-30A	AE6-37A	AE6-45A	AE6-55A	AE6-75A	
Compressor	Air Flow (m3/min)	0.8Mpa	1.1	1.6	2.2	3.0	3.6	4.7	6.1	7.1	9.4	13.1
		1.0Mpa	1.0	1.4	1.9	2.7	3.2	4.3	5.4	6.4	8.6	11.8
		1.3Mpa	0.8	1.2	1.3	2.3	2.6	3.7	4.5	5.5	7.4	9.8
Discharge Temperature °C		Ambient + 15°C										
Air Outlet Size (Inch)		3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	
Transmission Mode		Belt Transmission										
Lubricant Volume (L)		7	9	10	10	16	18	18	25	60	65	
Capacity Control		0 -100 % stepless control										
Max Allowance Ambient Temp (°C)		45°C										
Motor	Rated Output (kW)	7.5	11	15	18	22	30	37	45	55	75	
	Terminal Box	On the top										
	Voltage (V) / Frequency (Hz)	380V/50Hz/60Hz										
	Type	TEFC										
Starting		Y- Δ										
Cooler	Cooling Mode	Air cooled										
	Fan power (kW)	0.12	0.14	0.23	0.41	0.55	0.75	0.75	1.5	1.5	0.37X2	
	Air Flow (m3/min)	26	42	55	75	90	125	125	183	194	194	
Safety Protection		Safety Valve, High Discharge Temperature and Pressure Protection, Over Current Protection, Phase Loss/Phase Sequence Monitoring										
Maintenance Indication		Air Filter, Oil Filter, Fine Separator, Oil Change, Motor Greasing										
Micro Controller		Digital Temperature/ Pressure Display Control, Auto Running/Stop Control, Timer Running/Stop Control, Master/Slave Interlock Control (Optional), Scalable Central Monitor (Optional)										
Net Weight (kg)		290	310	380	450	700	780	900	1300	1300	1500	
Dimension	Length (mm)	820	870	1000	1050	1100	1100	1200	1800	1800	1960	
	Width (mm)	660	660	700	850	1100	1100	1150	1300	1300	1500	
	Height (mm)	920	980	1030	1310	1400	1400	1565	1750	1750	1750	

Note: All the above models can also be offered with Variable Frequency Drive (VFD)

- The technical data is based on ISO1217, suction temperature 20 C: relative humidity 60%; suction pressure 0.1MPa, Oil viscosity VG32 with testing tolerance ± 5%.
 - In addition to the above-mentioned models: 0.4MPa ~ 1.6MPa, Please contact us for other options.
 - Standard power source 50Hz/60Hz; 380V/440V 3 phase. Please contact us for other power source.
- Water cooled model is available for models above 45kW.
- Hanbell reserves the right to change the design without notice.

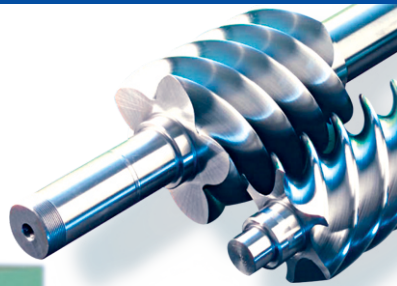


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AE6 SERIES HANBELL SCREW AIR COMPRESSOR

Belt Drive Series

Main Parameters:

Power output: 7.5 ~ 75kW

Air Flow: 1.1 ~ 13.1 m³ / min (0.8 Mpa)

Working pressure: 0.8 ~ 1.6 Mpa



Air filter

Choosing to use air filters imported with high performance, large filter area, decrease pressure, and the maximum service life can reach 6000 hours.

Oil Separator

Choosing to use imported oil separator, highest service life can achieve 6,000 hours, ensuring the oil content in the air at 3 ppm.

Molding Suction Valve

Use the form piston structure which will Close immediately when the compressor stops, preventing the lubricant oil sprayed out, ensuring the boot when compressor unload, minimizing power loss.

Air End

Use Air End with patents, self-researched and invented by the own Hanbell. With full certifications on the patent rights. Choosing to use imported bearings which can bear high loads, the larger the screw's diameter is, the smaller (slow) the rotational speed is. The Air End service life can be up to 100,000 hours.

Plate Cooler

Using the cooling plates, the heat exchange Efficiency of the cooler is higher. When the amount of heat exchange more than 30%, the efficiency better. Compressor can normally operate at temperatures below 45 °C

Oil Filter

Using imported oil filter designed with high filter efficiency at reduced pressure, the highest service life can achieve 4,000 hours, filtration efficiency higher than micro filter to protect ball bearing and screw.

Belt

Use belts imported from Germany, durable, Long service life, less wear and tear.

Lubricant Oil

Use lubricant oil imported from the US, have remarkable antioxidant properties, anti-emulsifying, precipitation, maximum service life can reach up to 6,000 hours.

Oil stand Assembly

Using designs based on the operating principles mechanical collision to conduct preliminary, efficiency separation can achieve 99.95%.