Specification for AA6 (22A - 160A) Air Cooled

MODEL			AA6-22A	AA6-37A	AA6-45A	AA6-55A	AA6-75A	AA6-90A	AA6-110A	AA6-132A	AA6-160A
Compressor	Air Flow (m3/min)	0.8Mpa	3.7	6.8	8.0	9.8	13.1	16.8	20.0	23.2	28.2
		1.0Mpa	3.4	6.2	7.0	9.0	11.8	14.6	17.8	20.7	25.2
		1.3Mpa	2.8	4.6	5.8	7.8	9.8	11.6	14.5	16.9	20.7
	Discharge Temperature °C		Ambient + 15°C								
	Air Outlet Size (Inch)		1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	DN65-16	DN80-16	DN80-16	DN80-16
	Tranmission Mode		Coupling Tranmission								
	Lubricant Volume (L)		7	8	10	10	16	18	18	25	60
	Capacity Control		0 -100 % stepless control								
	Max Allowance Ambient Temp (°C)		45°C								
Motor	Rated Output (kW)		22	37	45	55	75	90	110	132	160
	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)		0.37	0.71	1.5	1.5	2.6	1.0×2	1.0×2	1.4×2	1.4×4
	Air Flow (m3/min)		75	126	183	183	280	320	320	366	732
Safety Protection			Safety Valve, High Discharge Temperature and Pressure Protection, Over Current Protection, Phase Loss/ Phase Sequence Maintoring								
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)			800	900	1020	1600	1900	2400	2700	2700	3500
Dimension	Length (mm)		1400	1450	1550	1750	1850	2150	2150	2150	2950
	Width (mm)		802	900	1150	1200	1300	1460	1460	1460	2100
	Height (mm)		1000	1200	1400	1350	1400	1620	1620	1620	2080

AA6 SERIES
HANBELL SCREW AIR COMPRESSOR

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.

HANBELL

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Coupling Drive Series

Main parameters:
Power output: 22 ~ 160kW
Air Flow: 3.7 ~ 28.2 m3 / min (0.8 Mpa)
Air Flow: 3.7 ~ 28.2 m3 / min (0.8 Mpa)
Working pressure: 0.8 ~ 1.6 Mpa

Minimum Pressure Valve

Use aluminum material, with an outstanding anticorrosive properties. With fully functional blocks (one way). Set starting pressure stable, ensuring priority to provide enough pressure to push in the circulatory system, and the lubricant oil for Air End.

Stainless Steel Pipes

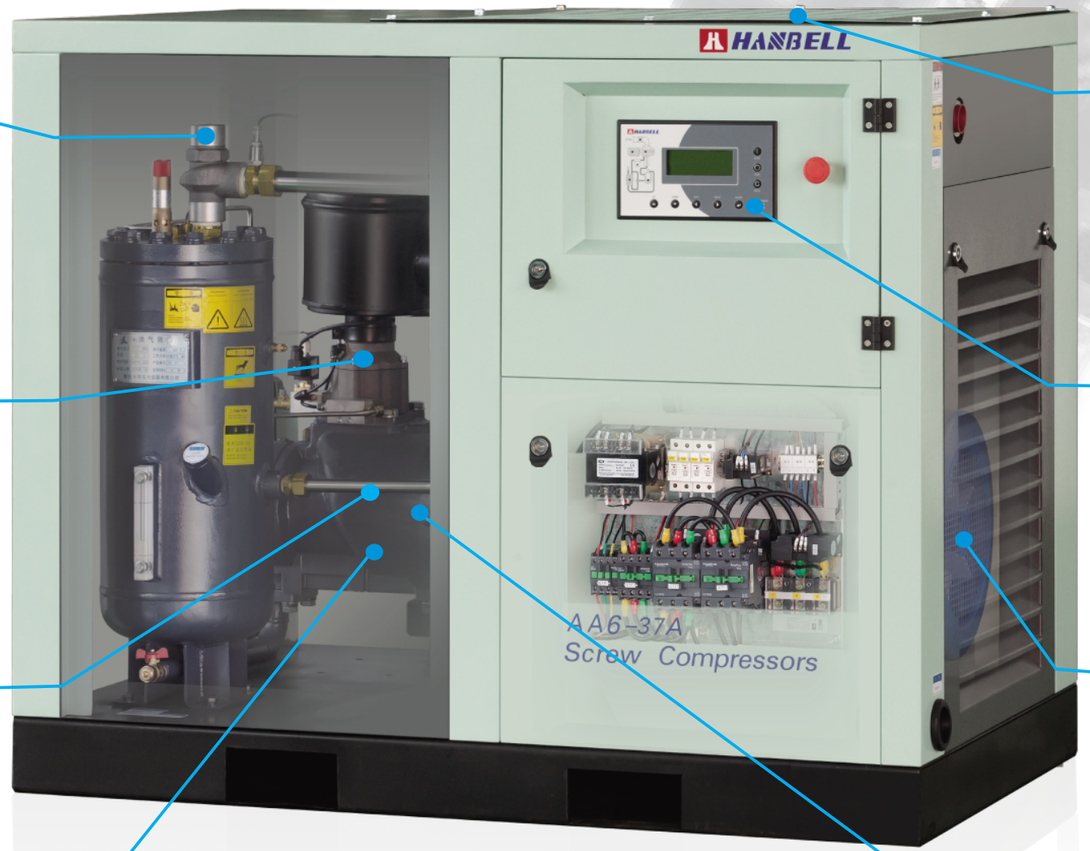
Use the form piston structure which will close immediately when the compressor stops, preventing the lubricant oil sprayed out, ensuring the boot when compressor unload, minimizing power loss.

Suction Valve

Design the whole pipe using stainless steel materials, strong structure, durable, very credible, very effective in anticorrosion inside the pipe.

Structural Transmission of Motor & Air End

Use Designs to connect directly 1: 1,the Air End and motor use links in the form of low center of gravity, reduce noise and vibration, increases stability during the operation.



High Temperature Cooling System

Use form of separator design, avoiding the situation the initial heat exchanger and the after heat exchanger mutual communication, to prolong service life. Especially, compressor can operate normally when the ambient temperature reaches 45 °C. And at the same time to avoid only one divisiondamaged but the entire system must be replaced, reducing repair costs.

Smart Microcontroller

Simple operation, can be set in English/Chinese (Traditional/Simplified). It is possible to set control and intelligent management of time using air filter, oil filter, oil separators, lubricant oil. And also including features chain controller and remote control to meet customers choice

High-efficiency Motors

Use saving-energy and high-efficiency motors, fitted with imported bearings,IP54protection class, F rate insulation. Consistentwith State's neweststandards GB18613 / 2013's,performance can be raised to an average of about 4%.

Coupling Tranmission

Linkage of motor and Air End automatically aligns,using coupling imported with elasticity, eliminates vibration (shaking), separate vibration between motor and air end, ensuring operational efficiency.