

# Asynchronous coaxial screw air compressor



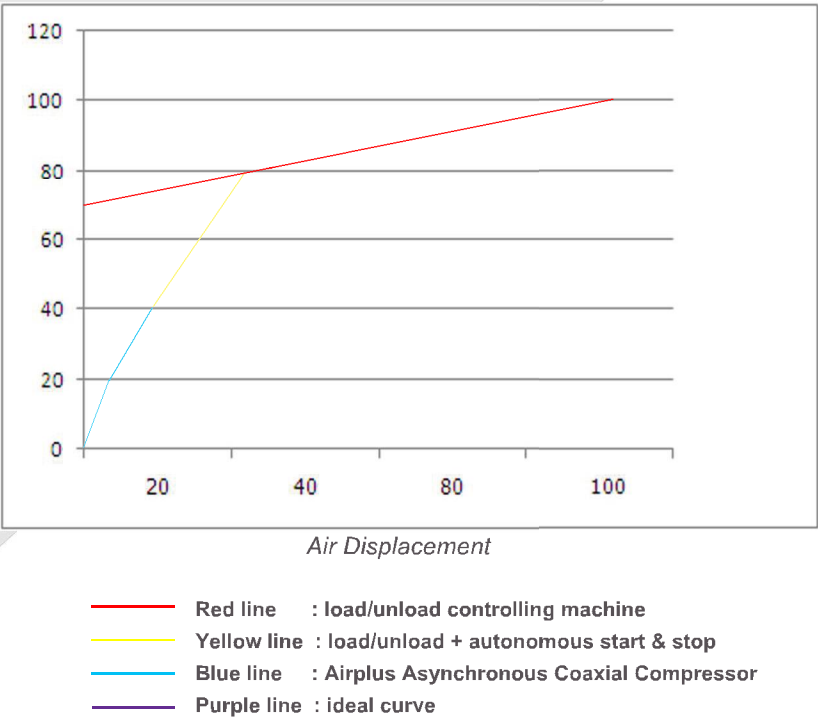
ZLS04A - ZLS150A  
3kw - 37kw

- Save up to 30% of the energy
- Breakthrough Asynchronous Coaxial Structure
- Smaller, quieter and more compact



Asynchronous coaxial structure provides better energy saving effect, saving up to 30% of the energy on average.

Comparison diagram for energy saving effect

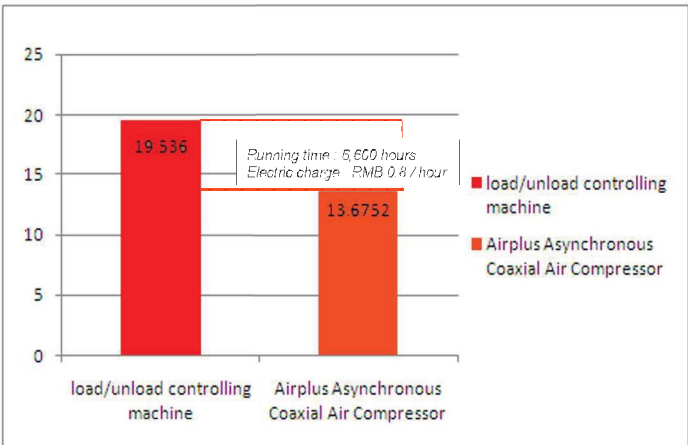


**Assumptions :** Taking 37KW for example, with working time of 6,600 hours annually and average load of 50% and electricity fee of RMB 0.8/KW/h, regular power-frequency compressor based on general settings while airplus coaxial asynchronous air compressors are set to enter standby mode after 0 minute, and the calculation of energy saved by airplus

**Asynchronous coaxial air compressors:** energy consumption while idling + energy consumption required during operation.

	Load / Unload controlling machine	AIRPLUS Asynchronous Coaxial Air compressor
Total yearly electric charge (RMB 10,000)	19.536	13.6752

The load for energy-saving effect of power consumption of 37KW compressor is of 50%.



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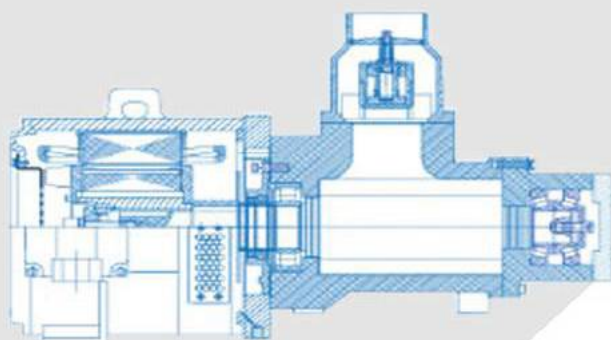


## Breakthrough revolution, pioneer of new standards

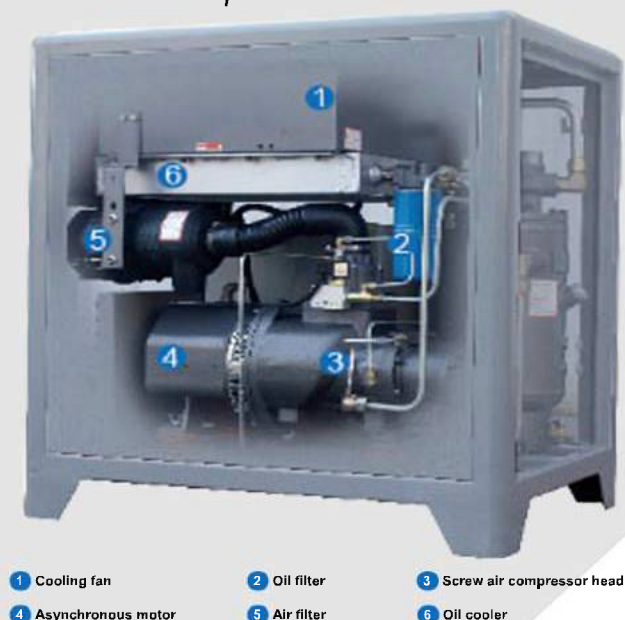
### Pendulous coaxial structure without bearing

- No-bearing design brings fewer risks of repairs and maintenances
- Pendulous coaxial structure improves drive efficiency
- Double oil seal to ensure reliability

It applies a pendulous coaxial structure with no bearings to minimize transmission loss and guarantee straight-axle transmission, so as to completely eliminate transmission loss caused by bearings and couplers. Comparing to belt conveyors and direct-drive machines, its transmission efficiency is enhanced by 2% ~ 5%, with a better energy saving effect under long-term operations.



### Full View of Airplus ZLS-AT Asynchronous Coaxial Air Compressor

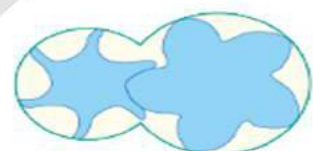


- 1 Cooling fan
- 2 Oil filter
- 3 Screw air compressor head
- 4 Asynchronous motor
- 5 Air filter
- 6 Oil cooler

### World-class air displacement

It adopts the third generation of Airplus modeled line which is recently developed by Taiwan R&D team after several years of hard work.

It realizes the world-class air displacement by using new linear combination with greatly optimized rotor clearance.



DIT (Design in Taiwan)

### You can choose super large touch /LCD screen at your own choice

Equipped with large touch/LCD screen in languages of Chinese and English, and with functions of data displaying, alarming, and automatic shutdown etc. Mode setting, pressure setting and other daily management operations can be easily conducted.



### Technical Data Sheet

Technical Data Sheet												
Model		Mpa	ZLS04A	ZLS05A	ZLS07A	ZLS09A	ZLS10A	ZLS15A	ZLS20A	ZLS30A	ZLS40A	ZLS50A
Max air displacement/ discharge pressure m3/min		0.7	0.61	0.72	1.13	1.26	1.46	1.92	2.64	3.96	5.23	6.81
		0.8	0.55	0.63	0.92	1.08	1.26	1.82	2.42	3.72	5.02	6.52
Working Mode of Cooler		Air cooling/water cooling										
Discharge Temperature		℃	Air cooling < environmental temperature +8℃, water cooling <40℃									
Noise		dB(A)	61±2	61±2	62±2	64±2	64±2	64±2	64±2	64±2	64±2	64±2
Motor	Power	KW/HP	3/4	4/5	5.5/7.5	7.5/09	7.5/10	11/15	15/20	22/30	30/40	37/50
	Start mode		Direct start							Y-△Start		
	Drive mode		Direct-driven, coaxial									
	Voltage	v	380V/50Hz									
	Frequency	Hz										
Dimension	Length	mm	900	900	900	900	900	950	1200	1350	1400	1500
	Width	mm	400	400	400	400	400	750	800	850	850	900
	Height	mm	1150	1150	1150	1150	1150	1120	1160	1200	1350	1350
Weight		Kg	190	200	210	210	220	300	360	400	550	650
Caliber of Air-vent		inch	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1-1/4"	1-1/4"	1-1/2"

Specification is subject to change without notice due to improvement for excellence