

# STABLE

Quality Air Solution



## VSD Series

Variable Speed Compressor



ISO9001, ISO14001, ISO18001 Certificate



# STABLE AIR COMPRESSOR TECHNOLOGY

**MANUFACTURER :** **STABLE** is a first-class air compressor manufacturer all over the world, which has been committed to providing clients with more efficient, more energy-saving and more environment-friendly air compressor product, thereby assisting clients to realize higher enterprise benefits



**STABLE** is positioned to leading air power system energy saving server all over the world, contract energy management services are customized, which can lead dynamic change and create green power, thereby making its own contributions to the society.

**CERTIFICATE :**



**Certificate  
ISO9001:2015**



**Certificate  
ISO4001:2015**



**Certificate  
ISO18001:2017**

**RELIABLE AND EFFICIENCY :**

When problems occurring in the compressed air system could delay or even halt production. The cost of an hour losses of production could exceed the cost of the whole compressed air system. Reduced maintenance needs, reliable and efficient operation allows **STABLE** Compressor to give the right choice.



**RS-VSD Series Variable  
Speed Compressor**



**RS Series  
Standard Compressor**

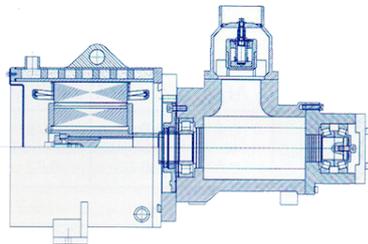


**RSP Series  
Complete Set Compressor**



**ASYNCHRONOUS ONE-PIECE AIR COMPRESSOR**

**: HIGH EFFICIENCY AND ENERGY SAVING**



Asynchronous one-piece screw air compressor: Air end is directly connected with motor without center bracket, belt and pulley. Transmission ratio is 100%, and the efficiency is improved by 2-5% compared with asynchronous motor with the same specification. The motor is free bearing and oil seal. Motor bearing fault point can be eliminated, thereby saving cost, and reducing daily maintenance and repair.

**PERMANENT MAGNET VSD AIR COMPRESSOR**

**: PM MOTOR Protection grade IP65**

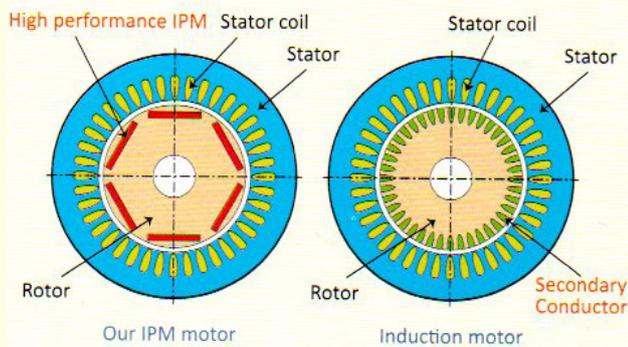
**INVERTER Variable-frequency Controlling**

**Soft Start Reduces Starting Current**

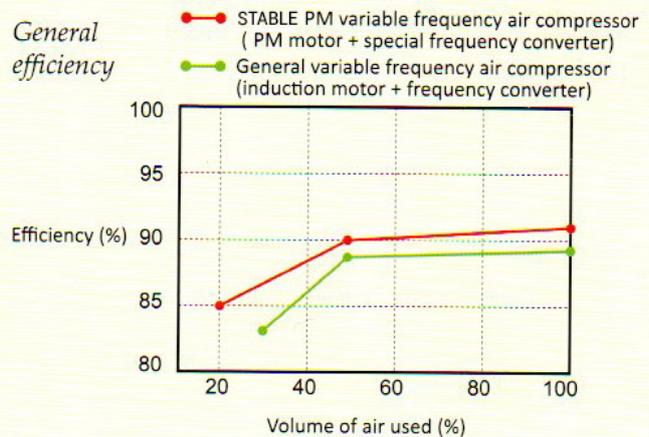
**PERMANENT MAGNET MOTOR (PM)**

PM Motor, which is a standard equipment, provide much higher efficiency than that of regular and/or high efficient induction motors and meets IE3 Standard. Meanwhile, by using high efficient frequency converter, it achieves better energy saving effect than the old ones. Since the bearing temperature of PM motor is relatively low, its lubricating grease server a longer time while the workload of motor maintenance also reduced.

Comparison of structures of PM motor and induction motor

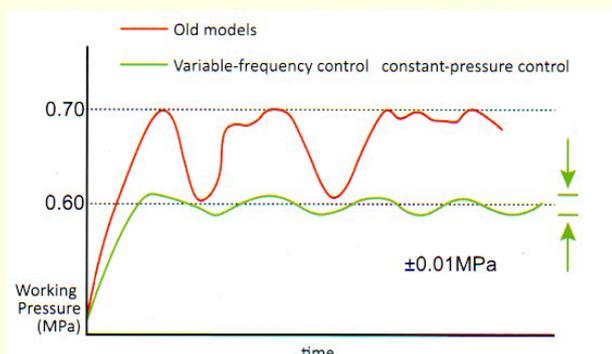


General efficiency

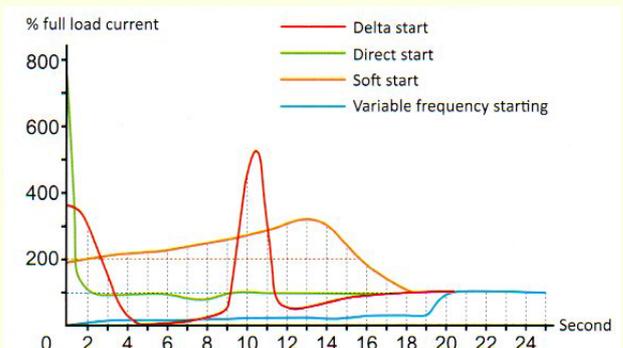


**INVERTER Variable - frequency Controlling**

Realize energy saving with constant pressure control



**Soft Start of frequency converter reduces starting current**



# TECHNICAL SPECIFICATIONS

## RS Series Asynchronous ONE-PIECE Screw Compressor

Model	Free Air Delivery m <sup>3</sup> /min	Discharge Pressure BAR	Noise dB(A)	Motor	Dimension			Weight KG	Air Outlet Pipe Diameter Inch	Motor IP
				Power KW/HP	L mm	W mm	H mm			
RS-7.5	0.79	8	62	5.5/7.5	840	670	925	205	3/4	IP55
	0.69	10								
RS-10	1.05	8	62	7.5/10	840	670	925	210	3/4	IP55
	0.92	10								
RS-15	1.61	8	62	11/15	1000	820	1145	330	3/4	IP55
	1.41	10								
RS-20	2.13	8	62	15/20	1000	820	1145	330	3/4	IP55
	1.87	10								
RS-25	2.73	8	63	18.5/25	1100	880	1185	432	1 1/4	IP55
	2.39	10								
RS-30	3.36	8	65	22/30	1100	880	1185	545	1 1/4	IP55
	2.95	10								
RS-40	4.83	8	65	30/40	1200	950	1358	650	1 1/4	IP55
	4.24	10								
RS-50	6.41	8	65	37/50	1300	1000	1366	650	1 1/2	IP55
	5.62	10								

## RSI Series PERMANENT MAGNET VSD Screw Compressor

Model	Free Air Delivery m <sup>3</sup> /min	Discharge Pressure BAR	Noise dB(A)	Motor	Dimension			Weight KG	Air Outlet Pipe Diameter Inch	Motor IP
				Power KW/HP	L mm	W mm	H mm			
RSI-50 VSD	6.41	8	65	37/50	1300	1000	1366	650	1 1/2	IP55
	5.62	10								
	5.12	13								
RSI-60 VSD	7.76	8	68	45/60	1300	1000	1366	650	1 1/2	IP65
	6.72	10								
	6.13	13								
RSI-75 VSD	9.98	8	72	55/75	1600	1300	1600	1220	2	IP65
	8.75	10								
	7.98	13								
RSI-100 VSD	12.81	8	72	75/100	1600	1300	1600	1220	2	IP65
	11.24	10								
	10.25	13								
RSI-125 VSD	14.2	8	72	90/125	1600	1300	1600	1270	2	IP65
	12.78	10								
	11.5	13								
RSI-150 VDS	18.90	8	75	110/150	2200	1550	2000	2200	DN65	IP65
	16.58	10								
	15.12	13								
RSI-175 VSD	23.10	8	75	132/175	2200	1550	2000	2250	DN65	IP65
	20.26	10								
	18.48	13								

Due to improvement for excellence, the specification subject to change without notice in advance. Free air delivery standard in GB/T3853-eqr-ISO 1217