



# GOOD-AIR SCREW AIR COMPRESSOR



**Optimization makes high quality and performance !!**



# We customize the best air supply system for you !!



## High efficiency direct driven , no need to adjust and change belts.

Direct drives have alignment built-in. Belt and gear maintenance are eliminated. The footprint may be larger but the machine can run quieter.

- Increased efficiency: The power is not wasted in friction (from the belt, chain, etc., and especially, gearboxes.)
- Reduced noise: Being a simpler device, a direct-drive mechanism has fewer parts which could vibrate, and the overall noise emission of the system is usually lower.
- Longer lifetime: Having fewer moving parts also means having fewer parts prone to failure. Failures in other systems are usually produced by aging of the component (such as a stretched belt), or stress.



## Larger Cooler , Easy-Clean , Never Over-heated !!

Excessive heat kills most compressor oils. It is a well accepted rule of thumb that you cut oil life expectancy by half for every 20 degree rise above normal operating temperature. An air compressor running at elevated temperatures is not an efficient compressor. Hot compressed air will experience pressure losses as it passes through and distribution pipe work.



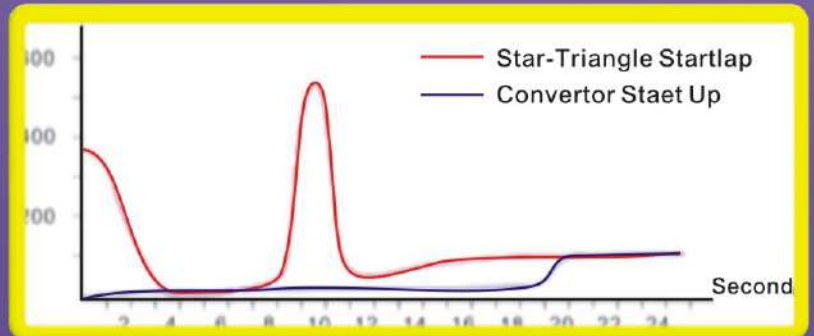
## COMPRESSOR AIR/OIL SEPARATOR

Lubricated rotary screw air compressors mix oil with the intake air to lubricate the compressor's screws. After the air is compressed an air/oil separator separates compressed air from compressor oil. A standard rotary screw separator reduces the lubricant entrained in the compressed air to 2-3 ppm.



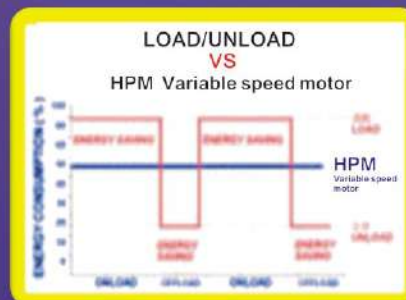
## Larger air-ends and lower rotational speed !!

A specific drive power can be used to turn a smaller air-end at high speed or a larger air-end at slow speed. Larger, lower speed air-ends are more efficient and deliver more compressed air for the same drive power. Lower efficient air-end, the rotors will need to run in at a higher speed. This gives extra problems with vibrations and life time of the rotors and bearings. Correct screw air-end with lower rotational speed ensures longer service life ,lower noise and less maintenance.



## Lower Starting Current !!

The soft start feature of VSD(variable-speed drive) reduces high input starting current, another cost-saving aspect.



## permanent-magnet synchronous motor (PMSM) , IP54 Standard.

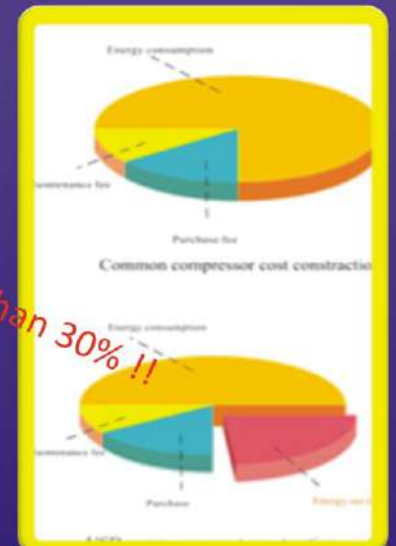
High motor efficiency which is kept to be about 95%, and the power factor is nearly 100% which is 5%~10% higher compared with the same specification of the Asyn. motor. The motor efficiency is always high either heavy load or light load.



## Lower rotational speed of Air-End , Lower Noise , Service Time Longer !!



Compared to normal motors, PM motor has smaller volume and more excellent energy saving. It will exert incomparable energy saving effect than normal inductive motor when installed with the special frequency converters.



## GA Series Screw Air Compressor

Model	Motor		F.A.D (m <sup>3</sup> /min)		
	HP	kw	8 bar	10 bar	13 bar
GA-10	10	7.5			
GA-20	20	15			
GA-30	30	22	3.6	3.2	2.8
GA-40	40	30	5.2	4.5	3.9
GA-50	50	37	6.5	5.6	4.8
GA-60	60	45	7.6	6.6	5.7
GA-75	75	55	10	8.3	7.0
GA-100	100	75	13.2	11.5	10
GA-125	125	94	16	13.6	12.2
GA-150	150	112.5	20	17	15
GA-200	200	150	25	20.6	18

- Single Stage Screw Air End
- Motor RPM : 2,800 r.p.m.
- Oil Content : 2 ~ 3 p.p.m.
- Power : 10 ~ 200 HP
- Driven System : Direct Drive (More Efficient !! )

## GAL Series Screw Air Compressor

Model	Motor		F.A.D (m <sup>3</sup> /min)		
	HP	kw	8 bar	10 bar	13 bar
GAL-10	10	7.5			
GAL-20	20	15			
GAL-30	30	22	3.96	3.52	3.08
GAL-40	40	30	5.72	4.95	4.29
GAL-50	50	37	7.15	6.16	5.28
GAL-60	60	45	8.36	7.26	6.27
GAL-75	75	55	11	9.13	7.7
GAL-100	100	75	14.52	12.65	11
GAL-125	125	94	17.6	14.96	13.42
GAL-150	150	112.5	22	18.7	16.5

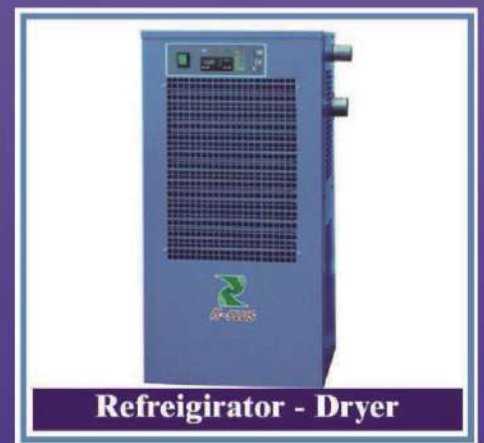
- Single Stage **Low Speed** Screw Air End
- Motor RPM : 1,460 r.p.m. ( Low Speed !! Low Noise !! Long Life Time !! )
- Oil Content : 2 ~ 3 p.p.m.
- Power : 10 ~ 150 HP
- Driven System : Direct Drive (More Efficient !! )

# GAT Series Screw Air Compressor

Model	Motor		F.A.D (m <sup>3</sup> /min)		
	HP	kw	8 bar	10 bar	13 bar
GAT-10	10	7.5			
GAT-20	20	15	2.76	2.72	2.5
GAT-30	30	22	4.1	4.04	3.7
GAT-40	40	30	5.8	5.74	5.5
GAT-50	50	37	6.82	6.65	6.3
GAT-60	60	45	9.35	9.32	9.26
GAT-75	75	55	10.26	10.22	10.16
GAT-100	100	75	14.23	14.15	14.1
GAT-125	125	94	18.9	18.8	18.7
GAT-150	150	112.5	22.27	22.15	22

- **Double Stage** Screw Air End ( F.A.D 7 ~ 10 % Higher than Single Stage !! )
- Motor RPM : 2,800 r.p.m.
- Oil Content : 2 ~ 3 p.p.m.
- Power : 10 ~ 150 HP
- Driven System : Direct Drive (More Efficient !! )

## Air Compressor Accessories



**Offering the high quality and performance system is our mission !!**