

DYNA
COMPRESSOR

QUALITY IS OUR STRENGTH
SCREW AIR COMPRESSOR

ENERGY SAVING COMPRESSOR

ALL SERIES

DYNACOMPRESSOR

DYNA COMPRESSOR CO., LTD.

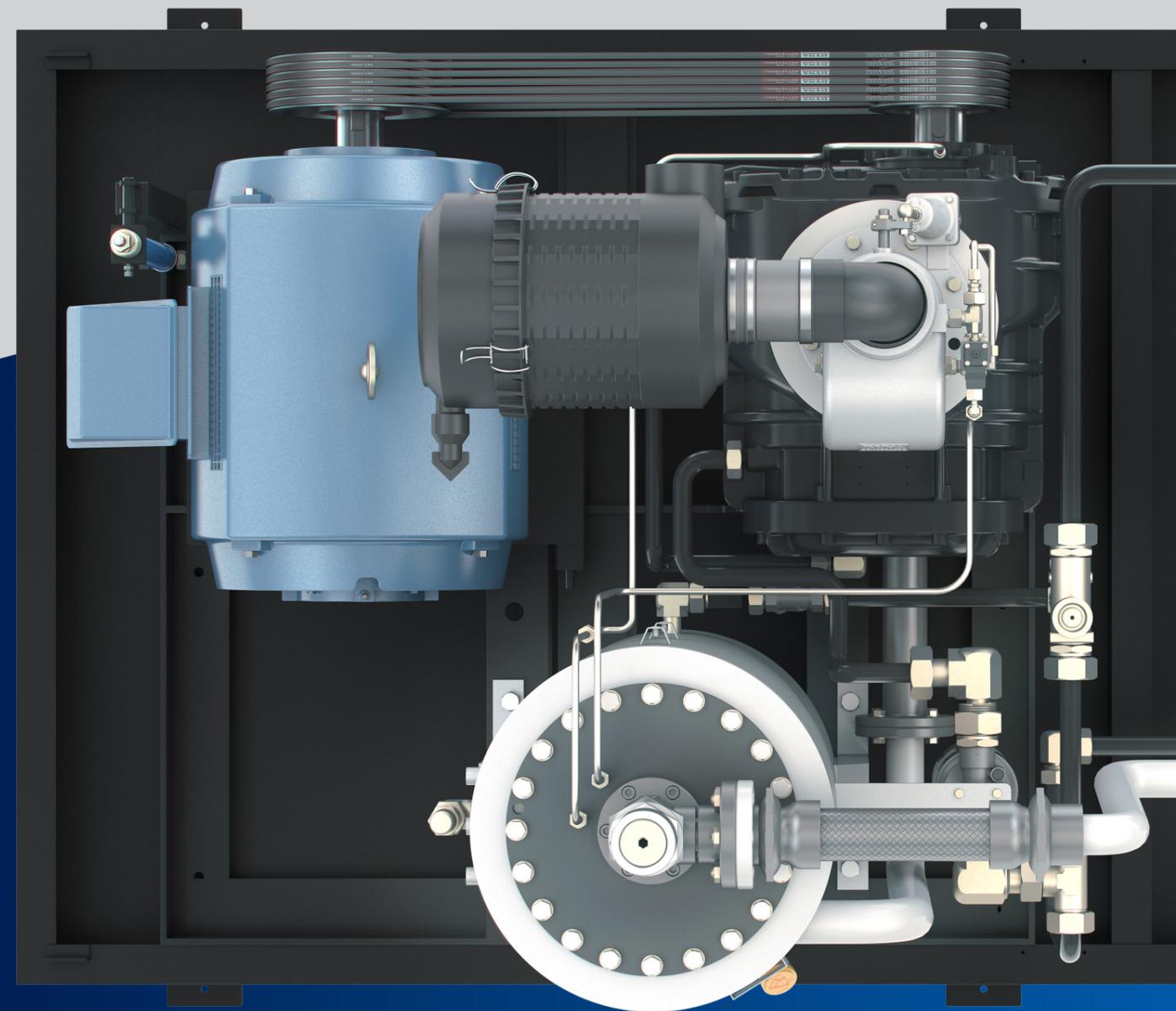
www.dyna-compressor.com



Dyna Compressor

With continuous R&D and renovation, our product is advance with times, our goal is to be the most competitive brand, professional, exquisite, design that with enough flexibility and mobility to meet challenges of the market. Customized is our standard procedure. We grab every possible chance to provide new opportunity and vitality for industrial reengineering. Under this rapidly changing, competitive era, the only constant belief of ours is **"quality is our strength"** .

DYNA



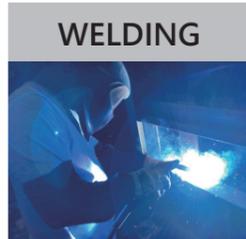
R&D

DYNA Screw Air Compressor
Quality Is Our Strength



Excellent technical team, To face market competition and challenges, we must continuous innovate, research and develop full range of models. Production are all made in Taiwan.

ABOUT US



WELDING



SHEET METAL PARTS



POWER COATING



CNC PROCESSING



ASSEMBLY PLANT

The welding department mainly responsible for the design of the machine structure and electric welding processing, precise material proportioning. We develop molds to improve production efficiency and make the machine structure more precise and stable.

We use automatic production and cutting, and the structure is precise. With years of accumulation of experience, precise calculation, the team is specialized in the modularized production design of the appearance of the air compressor. The board of each model can be serialized and modularized.

The baking paint department is a more advanced technology than traditional. The powder coating temperature is at least 200 degrees Celsius. The paint surface is harder and easier to adhere to the metal surface. It increases the anti-rust and corrosion resistance of the metal surface.

With CNC precision machining to improve the quality, precision, structure of the components, it is stronger and more durable. CNC machining technology improves the quality and efficiency of the air compressor as a whole, and extends the service life.

On the production line, the air compressor are assembled systematically. Every technician has been strictly trained. The entire series of models are designed with high-precision seamless steel pipes, with quality assurance and never leaking oil.



ELECTRONIC CONTROL

Once the unit is assembled, and the power control and wiring are installed. Combined with the DYNA PLC smart control panel, it provides power efficiency integration according to customer needs, and is equipped with a safe power control system to comprehensively improve the safety of use.



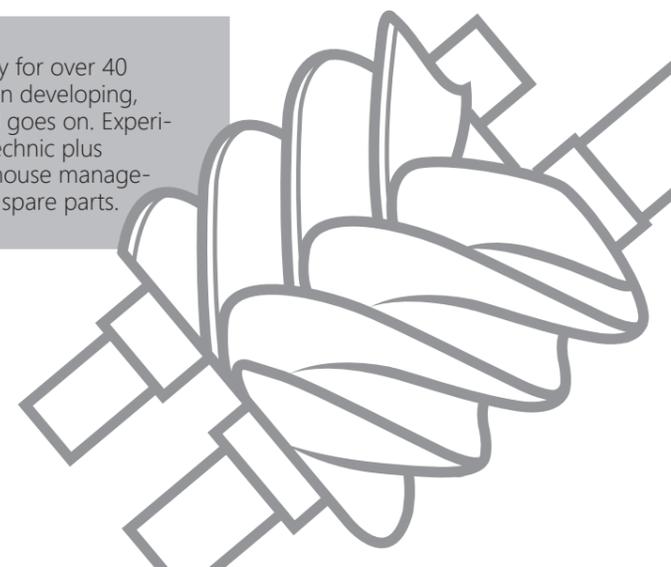
QUALITY CONTROL

Before leaving the factory, the department strictly check the performance through dynamic testing, including testing of operation, temperature, pressure, flow, noise, etc., to ensure the quality to meet the market and customer needs.

We have been distributed the high-pressure air compressor of BAUER Group (West Germany) since 1976. Later on, ROTORCOMP, the division of low-pressure air compressor of BAUER Group, authorized us to market their RC-branded products on an exclusive basis in China, Taiwan, Hong Kong, Philippines, Thailand, and Indonesia. Sales and service centers are established in Dairen, Beijing, Shanghai, Nanking, Xiamen, Foochow, Tunkwong, and Hong Kong. Upon the request of this company, ROTORCOMP has designed a special model that is to be used in a high-temperature high-humidity environment. A series of noise-free model was also marketed in 1998 and it had become quite popular and had won itself a good name worldwide. DYNA has Specialzed in the design and production of screw air compressors for over 40 years. Our products have been taking the leading position in the domestic market of China and have been far and well sold to more than 20 countries and districts of Africa, Middle East and South-East Asia. Our enterprise has been titled as "The Model Enterprise of the Quality Management" designated by the authority and has passed ISO9001, CE and UL Attestations of Conformity as well as "the Attestation of conformity For Electrical Equipment" issued by the government.



DYNA has production history for over 40 years, new models have been developing, production of old model still goes on. Experience and accumulation of technic plus advanced automation warehouse management, sufficient inventory of spare parts.



B SERIES 7.5~45kW

DYNA螺旋式空氣壓縮機

Perfect design, professional technology Quality Is Our Strength

ALL SERIES



SCREW AIR ENDS

ESQ
ENERGY SAVING
COMPRESSOR

DYNA SCREW AIR COMPRESSOR

Air end compression system

100% imported from Germany. In order to ensure the quality of operation and stable air flow of the the air compressor, we use German high-precision rotors with stable performance, excellent quality, and more durability.



Oil cycling system

oil filtration + thermostat = anti-emulsification, no degeneration. Design according to subtropical weather, optimal tipping point of water evaporation be fixed, cycling oil stay pure, no emulsification, no degeneration, normal machine operation insured.



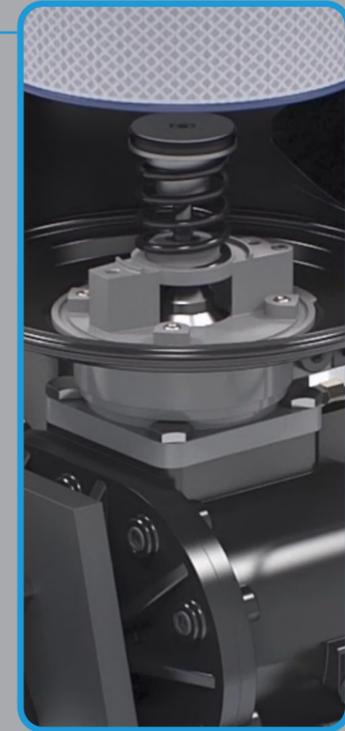
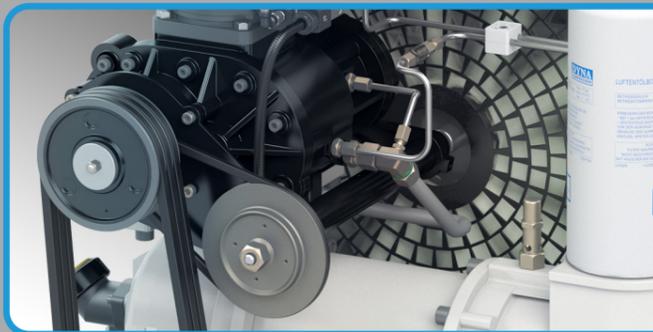
Cooling system

high efficiency, high speed fan blade being fixed at end of the motor, force 100% negative pressure cooling, no high temperature.



Cooler heat dissipation system

Angle of fan blades be enlarged, flow increased, heat dissipation is faster. Fan that dissipate heat is generated by rotor-v belt unit, not driven by motor with extra power. It is more energy saving and efficient. RPM of the fan can also be adjusted according to temperature of the area, it enhances efficiency of heat dissipation.



Intake control system

energy saving, low consumption intake controller

Energy saving, controlled by power saving type solenoid valve. Combination of advantage of solenoid valve and pneumatic valve, it start with electricity to intake air for compression, discharge the air with internal residual pressure, large steel spring being released with 0.5mA electricity close the inlet valve completely and stop oil spray. The upper part pressure is the source, with pressure of 2kg, it can easily open the valve and intake the air for compression, it is real energy saving.

Stop oil spray at back pressure

At the time solenoid valve power blocked out, the inlet valve is shut momentarily with the inertia of the spring and release the load, simple and exact.

Energy saving efficiency

Solenoid valve is simple in movement, easy maintenance, it is 20% more efficient than tolerance valve.



Oil/air separator system

pressure retaining valve reduce the pressure difference, the oil particles atomized and diffused after impact, with patented mechanical oil tank separation, the air discharged with oil content below 2 ppm.



Dynamic Suspension System

- Correct belt tension automatically adjusted.
- Maintenance free.
- Self adjustment specifically minimize belt slippage and ensure long-life running.



Dust filtration net System

Dust is the most serious harm to air compressor. DYNA R&D team designed fore-installed dust infiltration net, Capture efficiency it' s over 90%, efficiently blocked the dust from the machine. It extends durability of consumables, light in weight, easy installation and replacement, small in pressure loss, big in air volume processed. It saves a lot of equipment and man power.

B40



Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
B40	DS40-7.5	1.08	38	0.88	31	0.7	24	7.5	10	3/4	1000 x 600 x 1150	223
	DS40A-7.5	1.198	42	1.0	35.33	0.84	29.67	7.5	10	3/4	1000 x 700 x 1150	297

B120



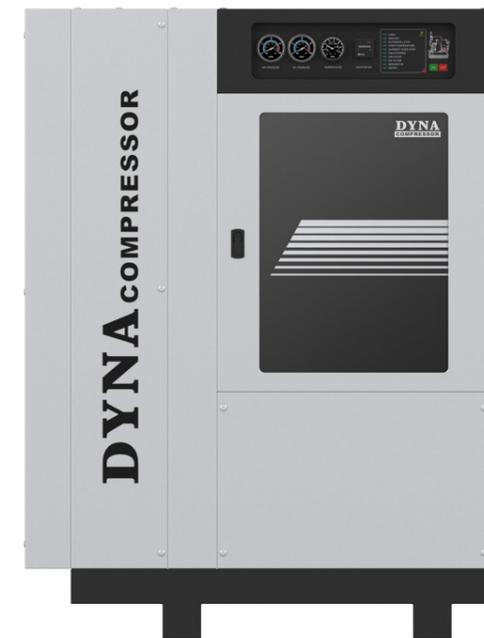
Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
B120	DS120-22	3.5	124	2.85	100	2.13	81.6	22	30	1 1/4	1290 x 1030 x 1535	667
	DS120-30	4.5	159	3.6	127	3.0	106	30	40	1 1/4	1290 x 1030 x 1535	687

B90



Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
B90	DS90-15	2.4	85	1.9	67	1.4	49	15	20	1	1185 x 890 x 1275	405
	DS90A-15	2.589	91	2.2	77.72	1.5	53	15	20	1	1290 x 1030 x 1535	565

B150



Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
B150	DS150-37	6.5	230	5.1	180	4.2	148	37	50	1 1/2	1360 x 1030 x 1795	900
	DS150-45	7.3	258	6.1	215	5.1	180	45	60	1 1/2	1360 x 1030 x 1795	900

B SERIES 55~148kW

DYNA螺旋式空氣壓縮機

Perfect design, professional technology
Quality Is Our Strength

ALL SERIES



SCREW AIR ENDS

ESQ
ENERGY SAVING
COMPRESSOR

DYNA SCREW AIR COMPRESSOR

Intake control system

The casting material are with high strength and is not easily damaged under the impact of loading and unloading. It effectively contains the noise and vibration caused by movement of on and off load. When the intake valve is closed, the impact of gas is blocked, and it can also prevent the return oil spout from the air inlet.



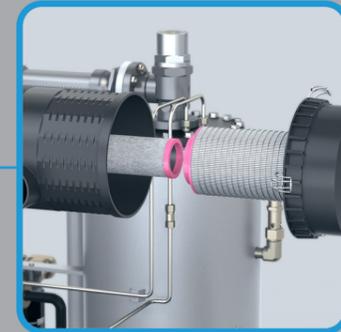
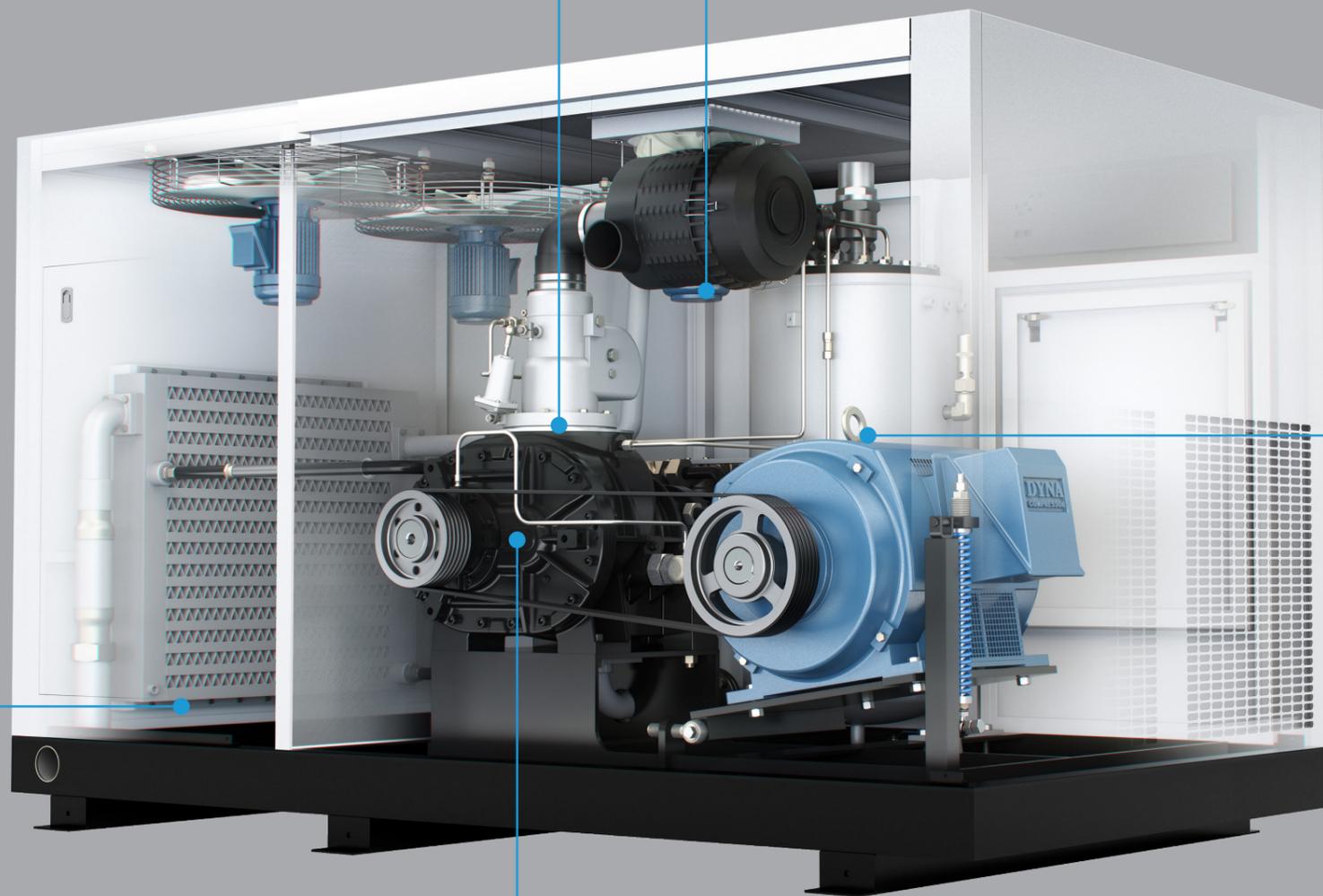
Oil cycling system

oil filtration + thermostat = anti-emulsification, no degeneration. Design according to subtropical weather, optimal tipping point of water evaporation be fixed, cycling oil stay pure, no emulsification, no degeneration, normal machine operation insured.



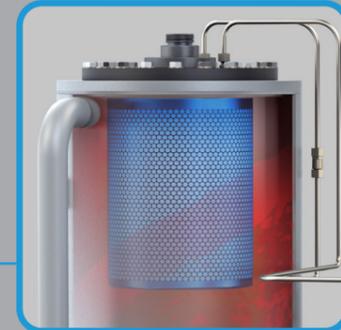
Cooling system

high efficiency, high speed fan blade being fixed at end of the motor, force 100% negative pressure cooling, no high temperature.



Air filtration system

The primary air filter filters the larger dust and impurities in the air.
The multi-stage air filter filters the finer impurities in the air to ensure the quality of the air intake.



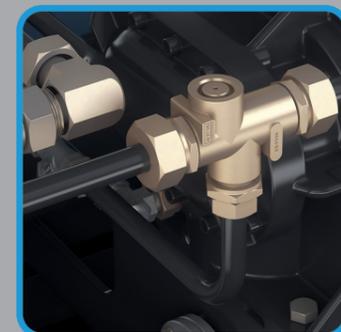
Oil/air separator system

pressure retaining valve reduce the pressure difference, the oil particles atomized and diffused after impact, with patented mechanical oil tank separation, the air discharged with oil content below 2 ppm.



Dust filtration net System

Dust is the most serious harm to air compressor. DYNA R&D team designed fore-installed dust infiltration net, Capture efficiency it's over 90%, efficiently blocked the dust from the machine. It extends durability of consumables, light in weight, easy installation and replacement, small in pressure loss, big in air volume processed. It saves a lot of equipment and man power.



Seamless steel pipe line design

DYNA screw type air compressor adapted the latest technique of connector of bent pipes, with audio frequency monitored by national certified laboratory, DYNA developed exclusive design to use seamless steel pipeline for all series. Quality is guaranteed, no oil leakage.



VMX 160 RD

(m ³ /min) min - max	P (kW) min - max
11.5 - 28.3	75 - 160



AERZEN VMX AIR END

Rotor made by Aerzen of Germany, the world class first grade craftsmanship quality and superior industrial materials. There are no surface that contact with the rotor of VMX series, minimum abrasions, smoother operation and more durable. B300-150HP air compressors of DYNA installed VMX 160 RD rotor, power drive 75-160kW, with flow of 11.5 - 28.3m³/min, powerful and highly efficient. Under severe environmental conditions, it still performs reliably. Temperature applicable are -10°C to 45°C. The top quality choice of air compressor.

B200



Model Number		F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7kg/cm ²		10kg/cm ²		13kg/cm ²						
		m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm					
B200	DS200-55	9.5	336	8.2	289	6.8	240	55	75	2	1690 x 1100 x 1850	1290

B300



Model Number		F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7kg/cm ²		10kg/cm ²		13kg/cm ²						
		m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm					
B300	DS300-110	20.18	713	17.0	600	14.0	494	110	150	3	2700 x 1550 x 1740	2175
	DS300-130	22.8	800	18.5	653	16.0	565	132	175	3	2950 x 1650 x 1840	2445

B250



Model Number		F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7kg/cm ²		10kg/cm ²		13kg/cm ²						
		m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm					
B250	DS250-75	13.4	473	11.2	395	9.6	340	75	100	2 1/2	2650 x 1350 x 1745	1800
	DS250-94	16.7	590	13.4	473	11.8	416	94	125	3	2650 x 1350 x 1745	2130

B350



Model Number		F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7kg/cm ²		10kg/cm ²		13kg/cm ²						
		m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm					
B350	DS350-148	26.5	936	23	812	18.7	661	148	200	3	2950 x 1650 x 1840	3340

TIGER SERIES

DYNA 螺旋式空氣壓縮機

TIGER series surpass the conventional design screw type air compressor. The construction, transmission, cooling, low noise, air purity are all impeccable.

ALL SERIES



SCREW AIR ENDS

ESQ
ENERGY SAVING
COMPRESSOR

DYNA SCREW AIR COMPRESSOR

Air end compression system

100% imported from Germany. In order to ensure the quality of operation and stable air flow of the the air compressor, we use German high-precision rotors with stable performance, excellent quality, and more durability.



Oil cycling system

oil filtration + thermostat = anti-emulsification, no degeneration. Design according to subtropical weather, optimal tipping point of water evaporation be fixed, cycling oil stay pure, no emulsification, no degeneration, normal machine operation insured.



Cooling system

high efficiency, high speed fan blade being fixed at end of the motor, force 100% negative pressure cooling, no high temperature.



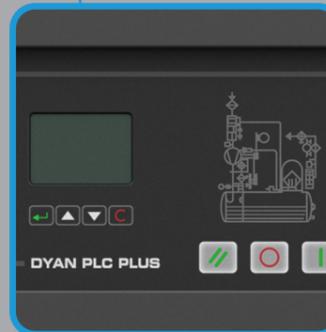
Dust filtration net System

Dust is the most serious harm to air compressor. DYNA R&D team designed fore-installed dust infiltration net, Capture efficiency it' s over 90%, efficiently blocked the dust from the machine. It extends durability of consumables, light in weight, easy installation and replacement, small in pressure loss, big in air volume processed. It saves a lot of equipment and man power.



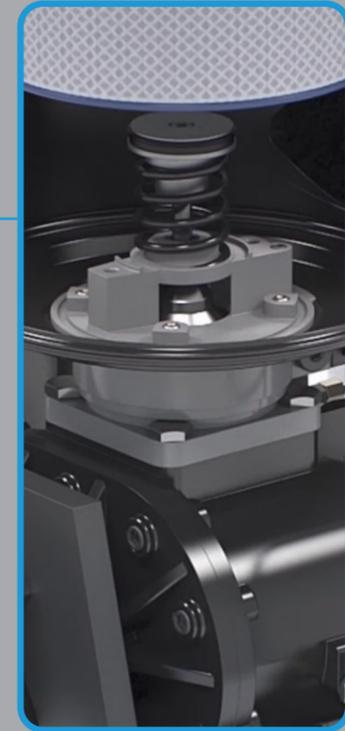
Oil/air separator system

pressure retaining valve reduce the pressure difference, the oil particles atomized and diffused after impact, with patented mechanical oil tank separation, the air discharged with oil content below 2 ppm.



DYNA PLC PLUS

DYNA PLC PLUS is with characteristic in strong in versatility, wide in adaptability, high in reliability, powerful in anti-interference, easy-understandable human machine interface. It is with multi-function in compression of air and application of control, low cost, high efficiency. It is the controller to step to industrial automation intelligence.



Intake control system

energy saving, low consumption intake controller

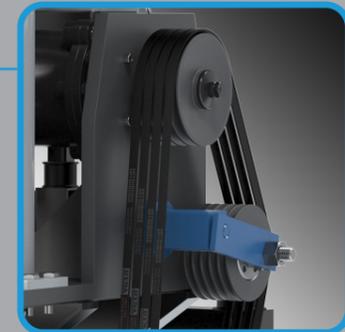
Energy saving, controlled by power saving type solenoid valve. Combination of advantage of solenoid valve and pneumatic valve, it start with electricity to intake air for compression, discharge the air with internal residual pressure, large steel spring being released with 0.5mA electricity close the inlet valve completely and stop oil spray. The upper part pressure is the source, with pressure of 2kg, it can easily open the valve and intake the air for compression, it is real energy saving.

Stop oil spray at back pressure

At the time solenoid valve power blocked out, the inlet valve is shut momentarily with the inertia of the spring and release the load, simple and exact.

Energy saving efficiency

Solenoid valve is simple in movement, easy maintenance, it is 20% more efficient than tolerance valve.



Belt transmission system

patented cam to adjust the right tension which ensure long-life running, without power loss, it enhance the efficiency.



Seamless steel pipe line design

DYNA screw type air compressor adapted the latest technique of connector of bent pipes, with audio frequency monitored by national certified laboratory, DYNA developed exclusive design to use seamless steel pipeline for all series. Quality is guaranteed, no oil leakage.

DYNA VARIABLE SPEED VS

VARIABLE SPEED ENERGY SAVING
MOST POWER SAVING

EFFICACY MAINTAINING
HIGH EFFICIENCY

FLOW OUTPUT
MOST STABLE

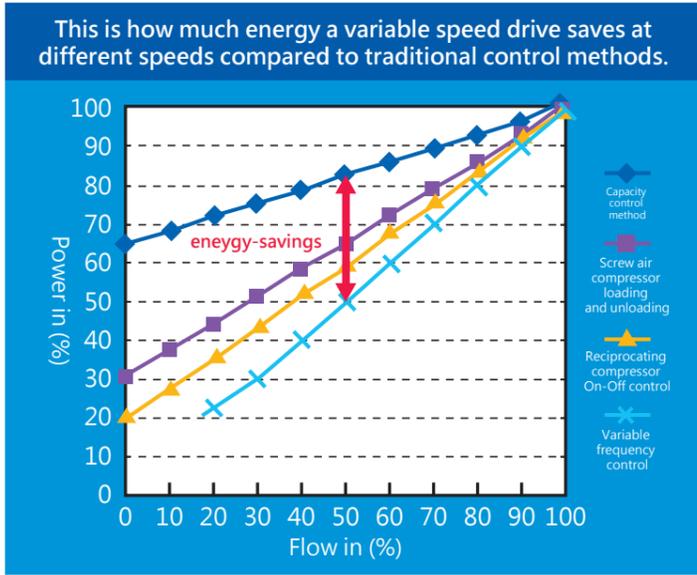
BUFFER START
LONG SERVICE LIFE

SMOOTH RUNNING
LOW WEAROUT

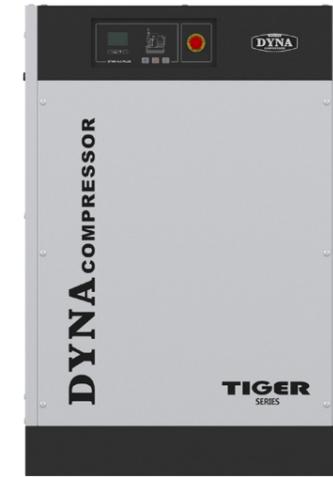
UNIT OPERATION
LOW NOISE



Air compressor a must-have equipment of factory, but it is with high power consumption. To enhance the efficiency of operation matters the cost and competitiveness, demand for energy saving is high and a must; variable speed air compressor changes the rotating speed of the motor with a variable speed. Average utilization rate of compressor is 50-70% and air consumption on the production line varies tremendously, with variable speed as PID constant pressure control is currently the best, no virtual power loss, all energy used on air compression. It is the most efficient control mode.



T120 FSD/VSD



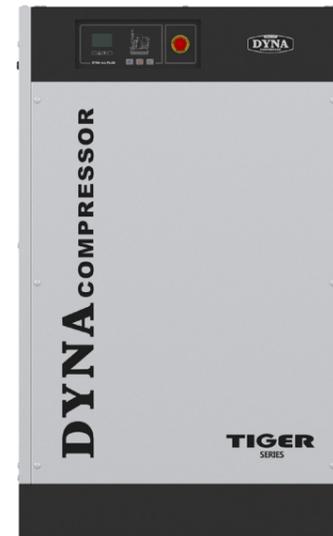
Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
T120	TS120-22	3.5	124	2.85	100	2.13	81.6	22	30	1 1/4	1350 x 1025 x 1510	667
	TS120-30	4.5	159	3.6	127	3.0	106	30	40	1 1/4	1350 x 1025 x 1510	687
	TS120-22VS	3.5	124	2.85	100	2.13	81.6	22	30	1 1/4	1350 x 1025 x 1510	720
	TS120-30VS	4.5	159	3.6	127	3.0	106	30	40	1 1/4	1350 x 1025 x 1510	740

T90 FSD/VSD



Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
T90	TS90-11	1.88	66	1.59	56	1.40	49	11	15	1	1265 x 890 x 1310	393
	TS90-15	2.4	85	2.1	74	1.75	62	15	20	1	1265 x 890 x 1310	405
	TS90-11VS	1.88	66	1.59	56	1.40	49	11	15	1	1265 x 890 x 1310	393
	TS90-15VS	2.4	85	2.1	74	1.75	62	15	20	1	1265 x 890 x 1310	405

T150 FSD/VSD



Model Number	F.A.D. at Working Pressure						Motor Power		Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	7kg/cm ²		10kg/cm ²		13kg/cm ²		kW	HP	inch	L x W x H (mm)	kgs	
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm						
T150	TS150-37	6.5	230	5.1	180	4.2	148	37	50	1 1/2	1450 x 1070 x 1700	900
	TS150-45	7.3	258	6.1	215	5.1	180	45	60	1 1/2	1450 x 1070 x 1700	900
	TS150-37VS	6.5	230	5.1	180	4.2	148	37	50	1 1/2	1450 x 1070 x 1700	964
	TS150-45VS	7.3	258	6.1	215	5.1	180	45	60	1 1/2	1450 x 1070 x 1700	964

ENERGY SERIES

With powerful driving core, it is more energy-saving and energy-saving

DYNA 永磁變頻空氣壓縮機

DYNA PM VSD SCREW AIR COMPRESSOR

It surpasses the IE3 level, smaller in size and higher in efficiency.

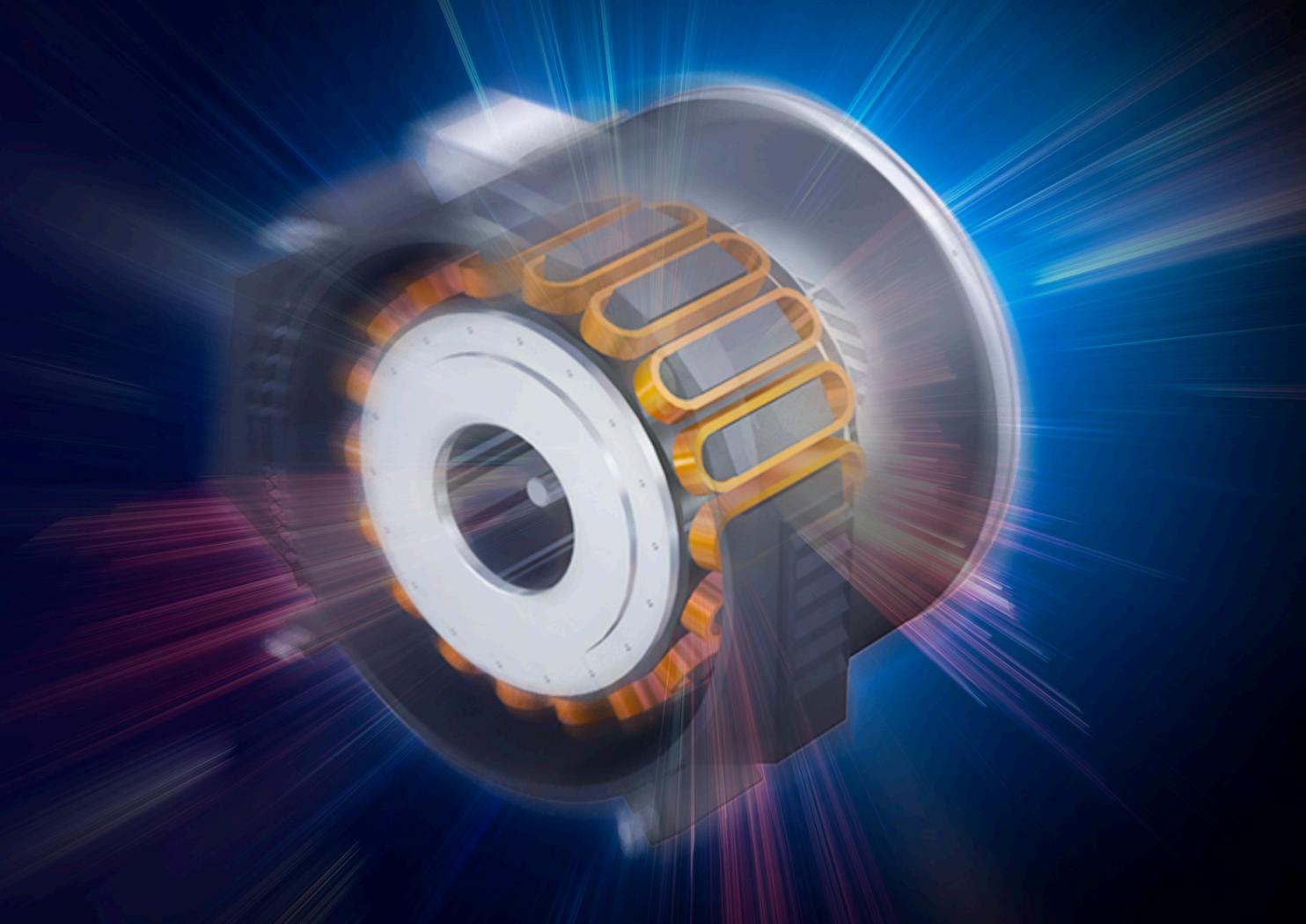
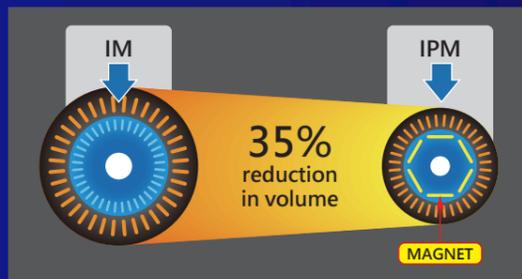
The inherent efficiency of a permanent magnet motor is higher than an induction motor. While AC induction motors are more commonly found in motor-driven systems, they are often larger in size and less efficient than permanent magnet motor solutions. The performance surpasses IE3 level, the performance is also more excellent. Direct power transmission, low noise, low vibration, reduced power transmission loss and maintenance parts, and a wider range of frequency conversion drives.

Benefit of Permanent magnet variable speed drives.

The biggest advantage of permanent magnet variable frequency air compressor is energy saving by 10%~35% in average. It depends on the working condition of the air compressor and the setting of the frequency converter. If the air consumption fluctuates, the energy-saving effect is better. Using a high-efficiency and energy-saving control system, the starting current is small and reduce the impact on the motor and electrical components; the life of the motor is extended, and the impact on the equipment and machinery is relatively reduced.



Air compressor a must-have equipment of factory, but it is with high power consumption. To enhance the efficiency of operation matters the cost and competitiveness, demand for energy saving is high and a must; variable speed air compressor changes the rotating speed of the motor with a variable speed. Average utilization rate of compressor is 50-70% and air consumption on the production line varies tremendously, with variable speed as PID constant pressure control is currently the best, no virtual power loss, all energy used on air compression. It is the most efficient control mode.



E120 PM VSD



ES@
ENERGY SAVING
COMPRESSOR

E150 PM VSD



ES@
ENERGY SAVING
COMPRESSOR

Model Number	F.A.D. at Working Pressure				Motor Power	Efficiency Level	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight		
	7kg/cm ²		8kg/cm ²								
	m ³ /min	cfm	m ³ /min	cfm							
E120	ES120P-22VS	4.5	159	3.5	123	22	30	d=25/Level 1	1 1/4	1430 x 950 x 1150	523
	ES120D-22VS	5.0	177	4.0	141	22	30	d=30/Level 1	1 1/4	1430 x 950 x 1155	623

Model Number	F.A.D. at Working Pressure				Motor Power	Efficiency Level	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight		
	7kg/cm ²		8kg/cm ²								
	m ³ /min	cfm	m ³ /min	cfm							
E150	ES150P-22VS	7.3	258	6.3	222	37	50	d=25/Level 1	1 1/2	1630 x 1020 x 1450	744
	ES150D-22VS	7.6	268	6.6	233	37	50	d=30/Level 1	1 1/2	1630 x 1020 x 1450	844

2-STAGE SERIES

Powerful two stage compression performance surpasses one stage compression.

DYNA兩段式2級壓縮空壓機

DYNA 2-STAGE SCREW AIR COMPRESSOR



Our product is the most efficient, energy-saving.

For this series of new designs, we use two-stage compression. The compression efficiency creates the most energy-efficient air compressor, keeping the flow rate, power consumption and temperature in the best condition, making the screw air compressor more energy-saving, more power-saving, and more suitable for your use. Improve your production efficiency, and also greatly save power consumption. Our design and manufacturing technique has always been being the quality guarantee.



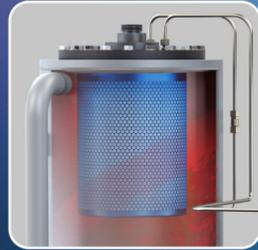
Air filtration system

The primary air filter filters the larger dust and impurities in the air. The multi-stage air filter filters the finer impurities in the air to ensure the quality of the air intake.



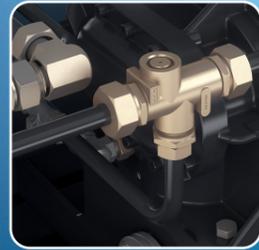
Oil cycling system

oil filtration + thermostat = anti-emulsification, no degeneration. Design according to subtropical weather, optimal tipping point of water evaporation be fixed, cycling oil stay pure, no emulsification, no degeneration, normal machine operation insured.



Oil/air separator system

pressure retaining valve reduce the pressure difference, the oil particles atomized and diffused after impact, with patented mechanical oil tank separation, the air discharged with oil content below 2 ppm.



Seamless steel pipe line design

DYNA screw type air compressor adapted the latest technique of connector of bent pipes, with audio frequency monitored by national certified laboratory, DYNA developed exclusive design to use seamless steel pipeline for all series. Quality is guaranteed, no oil leakage.



B250P FSD/VSD



B300D VSD



B350D VSD



Model Number	F.A.D. at Working Pressure		Motor Power		Efficiency Level	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	8kg/cm ²		kW	HP					
	m ³ /min	cfm							
B250P	DSD250P-75	13.9	491	75	100	d=25/Level 1	2 1/2	2650 x 1350 x 1745	2600
	DSD250P-75VS	13.5	477	75	100	d=30/Level 1	2 1/2	2650 x 1350 x 1745	2660

Model Number	F.A.D. at Working Pressure		Motor Power		Efficiency Level	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight	
	8kg/cm ²		kW	HP					
	m ³ /min	cfm							
B300D	DS300D-110VS	20.53	725	110	150	d=30/Level 1	3	3000 x 1650 x 1840	3500
B350D	DS350D-160VS	30.32	1071	160	215	d=25/Level 1	3	3000 x 1700 x 2050	4330



19 **DYNA** COMPRESSOR
SINCE
76

40 years of experience Positive and careful
attitude constant improvement quality
persistence reputation recognized by market
We insist "Quality is our Strength"

