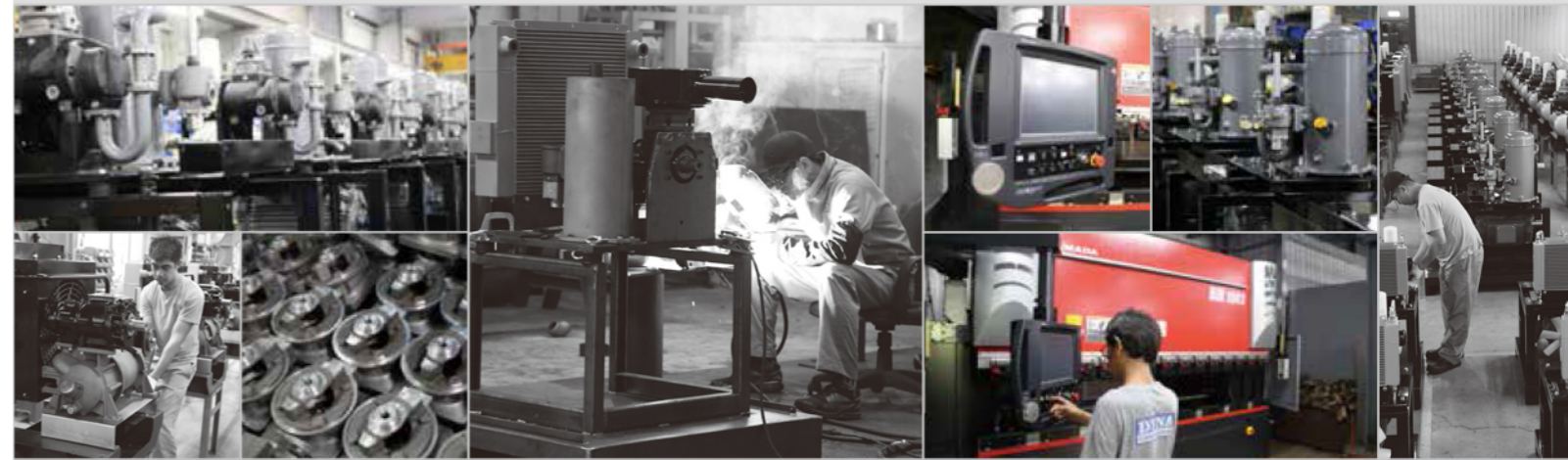


SCREW AIR COMPRESSOR  
Quality Is Our Strength

**B** SERIES



[www.routmac.com](http://www.routmac.com)



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"** .



Perfect design, professional technology  
Quality Is Our Strength

**B** SERIES





## Air end compression system

size enlarged, double bearing construction with axis and radial wrapping, excellent precision manufacturing technique, guarantee stable output flow and service life.



## Cooling system

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



## Oil cycling system

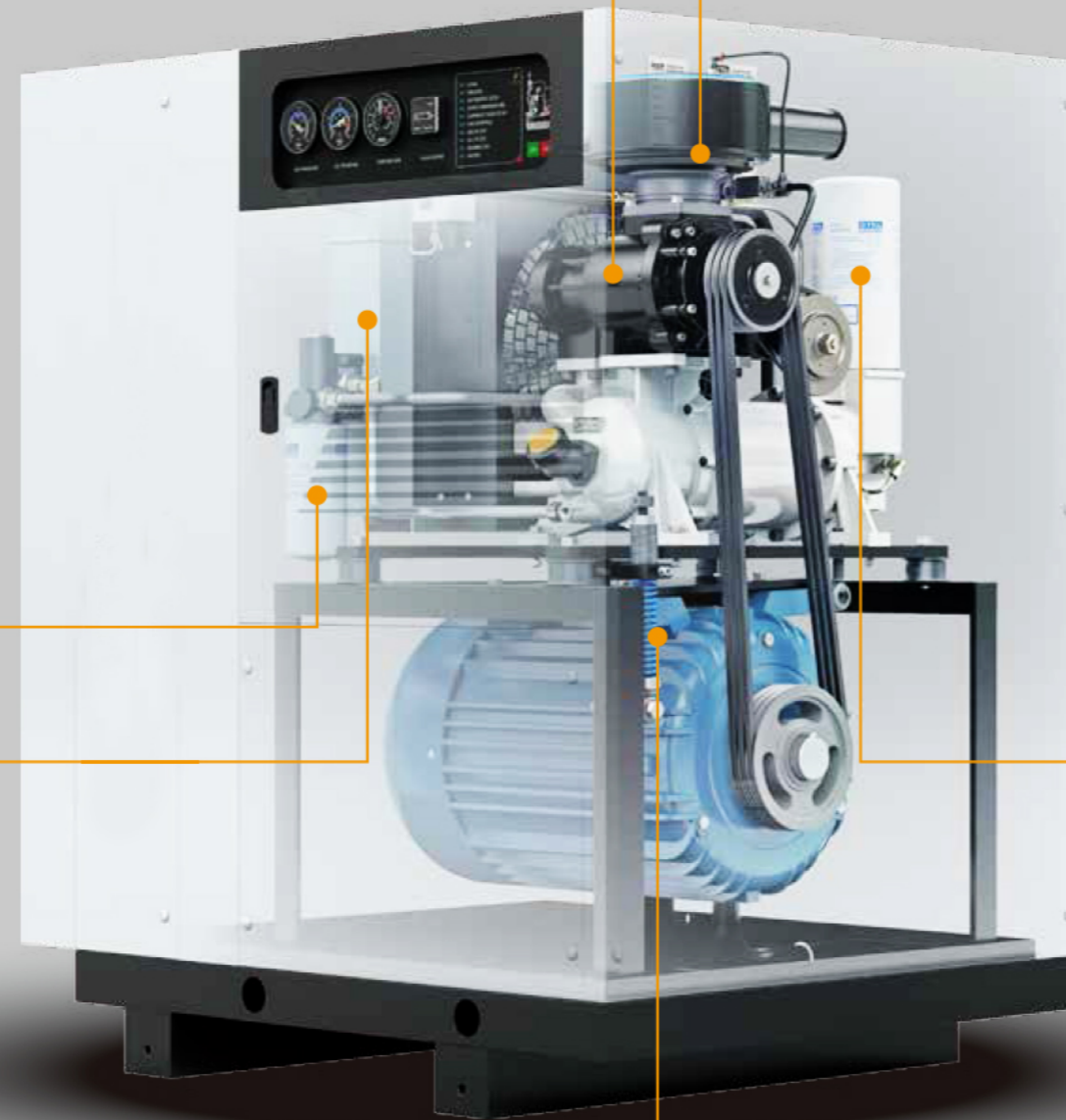
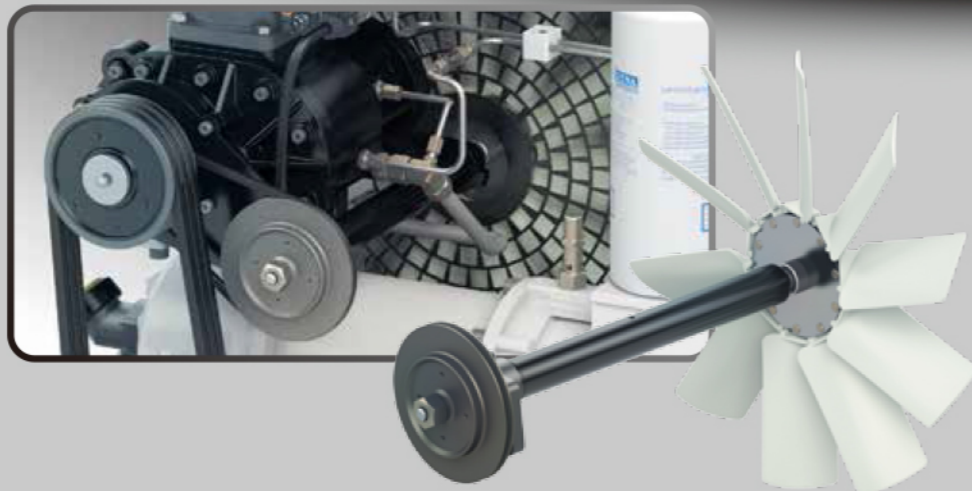
oil filtration + thermostat = anti-emulsification, no degeneration. Design according to subtropical weather, optimal tipping point of water evaporation be fixed, cycling oil stay pure, no emulsification, no degeneration, normal machine operation insured.



## 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.

RPM can be adjusted according to temperature  
1800rpm-2600rpm



## Intake control system

### energy saving, low consumption intake controller

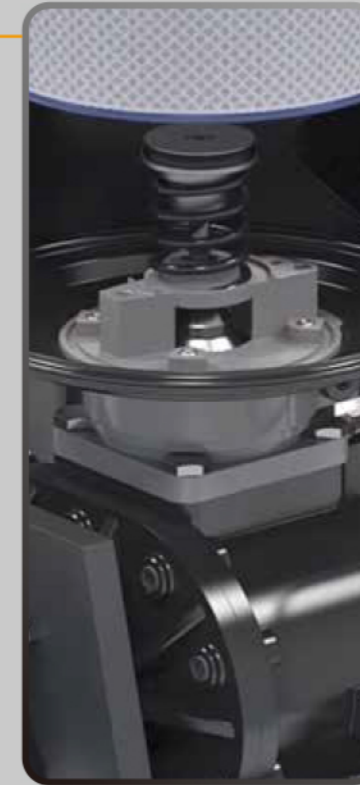
Energy saving, controlled by power saving type solenoid valve. Combination of advantage of solenoid valve and pneumatic valve, it start with electricity to intake air for compression, discharge the air with internal residual pressure, large steel spring being released with 0.5mA electricity close the 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.





# 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.

### Characteristic:

- High resolution LCD screen
- in-built 23 languages, none obstacle in human machine exchange
- CE, UL, CSA approve, adaptable globally
- factory-set value return to zero
- detail documentation of record of malfunction and operation
- protection of pin-code of multiple levels and access control
- easy switch of local/remote control
- I/O flexible deploy at site
- omnidirectional protection of motor, protection of application of air compressor
- industrious Airbus/Modbus RS485 communication
- powerful multi-units linkage control
- automatic time-set for startup/cutoff/standby
- industrious 4.0 remote surveillance to achieve mobile phone/PC instant data transmission



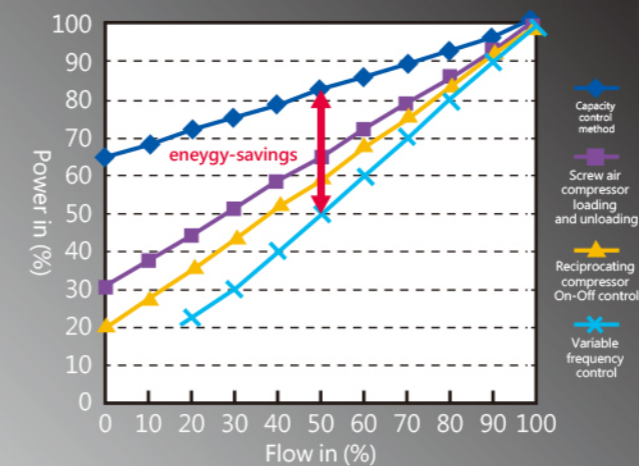
# VARIABLE SPEED

- VARIABLE SPEED ENERGY SAVING
- MOST POWER SAVING
- EFFICACY MAINTAIN
- HIGH EFFICIENCY
- FLOW OUTPUT
- MOST STABLE
- BUFFER START
- LONG SERVICE LIFE
- SMOOTH RUNNING
- LOW WEAROUT
- UNIT OPERATION
- LOW NOISE

**Benefit of variable speed drives**  
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 an 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.



This is how much energy a variable speed drive saves at different speeds compared to traditional control methods.





# YL-B 40



Model Number	F.A.D. at Working Pressure						Motor Power kW/HP	Air Outlet Pipe Dia inch	Compressor Dimensions LxWxH(mm)	Net Weight kgs	
	7 bar		10 bar		13 bar						
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm					
YL-B40	DS40-3.7	0.5	18	0.32	11	0.28	9	3.7/5	3/4	1000x600x1150	190
	DS40-5.6	0.85	30	0.65	23	0.5	18	5.6/7.5	3/4	1000x600x1150	212
	DS40-7.5	1.08	38	0.88	31	0.7	24	7.5/10	3/4	1000x600x1150	223

# YL-B 120



Model Number	F.A.D. at Working Pressure						Motor Power kW/HP	Air Outlet Pipe Dia inch	Compressor Dimensions LxWxH(mm)	Net Weight kgs	
	7 bar		10 bar		13 bar						
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm					
YL-B120	DS120-22	3.5	148	3.6	127	3.0	106	22/30	1 1/4	1290 x 1030 x 1535	667
	DS120-30	5.1	180	4.2	148	3.6	127	30/40	1 1/4	1290 x 1030 x 1535	687

# YL-B 90



Model Number	F.A.D. at Working Pressure						Motor Power kW/HP	Air Outlet Pipe Dia inch	Compressor Dimensions LxWxH(mm)	Net Weight kgs	
	7 bar		10 bar		13 bar						
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm					
YL-B90	DS90-15	2.7	95	2.2	77	1.6	56	15/20	1	1185x895x1280	449
	DS90-18	3.0	105	2.5	88	1.8	64	18/25	1	1185x895x1280	460

# YL-B 150



Model Number	F.A.D. at Working Pressure						Motor Power kW/HP	Air Outlet Pipe Dia inch	Compressor Dimensions LxWxH(mm)	Net Weight kgs	
	7 bar		10 bar		13 bar						
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm					
YL-B150	DS150-30	5.1	180	4.2	148	3.4	120	30/40	1 1/2	1360x1030x1795	786
	DS150-37	6.5	230	5.1	180	4.2	148	37/50	1 1/2	1360x1030x1795	900
	DS150-45	7.3	258	6.1	215	5.1	180	45/60	1 1/2	1360x1030x1795	900



# YL-B 200



Model Number		F.A.D. at Working Pressure						Motor Power	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7 bar		10 bar		13 bar					
		m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm				
YL-B200	DS200-55	9.5	336	8.2	289	6.8	240	55/75	2	1690x1100x1850	1290

# YL-B 300



Model Number		F.A.D. at Working Pressure						Motor Power	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7 bar		10 bar		13 bar					
		m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm				
YL-B300	DS300-110	20.18	700	17.0	600	14.0	494	110/150	3	2700x1550x1740	2175
	DS300-132	22.8	800	18.5	653	16.0	565	132/175	3	2950x1650x1840	2445

# YL-B 250



Model Number		F.A.D. at Working Pressure						Motor Power	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7 bar		10 bar		13 bar					
		m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm				
YL-B250	DS250-75	13.4	473	11.2	395	9.6	340	75/100	2 1/2	2800x1350x1745	1800
	DS250-94	16.7	590	13.4	473	11.8	416	94/125	3	2700x1550x1740	2175

# YL-B 350



Model Number		F.A.D. at Working Pressure						Motor Power	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
		7 bar		10 bar		13 bar					
		m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm				
YL-B350	DS350-148	26.5	936	23.0	812	18.7	661	148/200	3	3000x1650x1915	3340





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

Model Number	F.A.D. at Working Pressure						Motor Power	Air Outlet Pipe Dia	Compressor Dimensions	Net Weight
	7 bar		10 bar		13 bar					
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm				
YL-DS400-186	34.6	1222	28.0	989	23.8	841	186/250	31/2"	3340 x 2120 x 1950	3100
YL-DS400-186W										
YL-DS400-205	38.5	1360	31.0	1095	25.5	901	205/275	31/2"	3340 x 2120 x 1950	3380
YL-DS400-205W										
YL-DS400-224	42.0	1484	34.0	1201	28.0	989	224/300	31/2"	3340 x 2120 x 1950	3450
YL-DS400-224W										
YL-DS400-250	46.2	1632	37.7	1332	30.5	1077	250/335	31/2"	3340 x 2120 x 1950	3550
YL-DS400-250W										

**YL-B400**  
 Water Cooling