

## AIR-ZONE COMPACT SERIES

Rotary Screw Compressors

APACHE SE 4-15 KW, 22-89 cfm 7/10/13 Bar

AIR-ZONE Compressors are designed to serve you trouble free operation for a lifetime and each component is selected carefully in accordance with this purpose.



### DRIVING SYSTEM

- Belts are selected according to 12.000 operating hours. Pulleys with taper bush can be easily disassembled and assembled. Easy belt tensioning system provide trouble free operation.

### CONTROL PANEL AND STARTER BOX

- Electronic PLC control panel indicates any type of operational and service activities in the easiest way, to make everybody understand perfectly. Different type safety systems provides protection for any type of risk.
- All electrical components in the starter box are chosen from well known brand names all over the world.

### VIBRATION PAD

- Special rubber vibration pads eliminate vibration and the problems it may cause.

### COMPACT CABINET DESIGN

- Compact machine design provides minimum working space.
- Removeable cabinet doors provide easy maintenance and enables easy intervention for every point of the compressor.
- Soundproof steel cabinet is covered with flameproof special material to provide low noise levels.

### STANDARD EQUIPMENT

- Screw compressor.
- 415 V/3 ph/50 hz, IP 54/55 TEFV motor.
- Belt drive system.
- Acoustic cabinet design.
- Rigid steel base.
- Glass fibre pre-filter.
- Three micron dry type air inlet filter.
- Oil/air separator element with 3 ppm efficiency and oil reclaimer.
- Ten micron full flow oil filter.
- Minimum pressure valve.
- Thermostatic valve.
- Pressure relief valve.
- Star-delta starter panel.
- PLC control panel.

### SAFETY SYSTEM

- Motor overload shutdown.
- Phase sequence shutdown.
- High airend discharge temperature shutdown.
- High discharge pressure shutdown.
- Change separator element indicator.
- Air filter change warning.
- Pressure relief valve.
- Emergency stop button.

### COOLING SYSTEM

- High efficiency combi "Plate/Bar" Type oil/air cooler.
- Separate cooling fan on motor.
- Factory filled oil up to 2000 hours.

# AIR-ZONE

EXCLUSIVE TO COMPRESSORMAN



## AIREND

- High efficiency airends manufactured by the leading airend manufacturers. Our airends are designed based on new rotor profile and lobe combination, which is the result of long experience of screw compressors performance, new CAD methods and utilization of modern production technology.
- In our airends the male rotor has four lobes and the female five lobes. This provides the shortest seal line and smallest inner leakage and also provides more air volume capacity. The new rotor profile with minimized "blow hole" reduces torque requirement, which means low pressure consumption.

## OIL/AIR SEPARATION

- Effective design provides three stage separation.
- Long life separator elements reduce oil in compressed air to less than 3 ppm.
- Spin - on elements provides fast and easy separator element changement.

## AIR INTAKE SYSTEMS

- Replaceable glass fibre panel type prefilter and dry type paper filter element eliminate dusty ambient problems.
- Air intake fan creates turbo effect inside of machine. This effect can provide efficient cooling and help to airend intake capacity.
- Piston controlled intake valves are chosen the right size, which means high flow capacity and low power consumption.

## OIL/AIR COOLER

- Long life and trouble free operation with "Plate/Bar" type aluminium combi-cooler. Coolers size is selected to provide trouble free operations even in high ambient temperatures.

## SIMPLE

- With a simplified, easy to maintain structure and with long life components, a trouble-free operation is provided.

## WARRANTY

- 5 year warranty on major items. Dryer, airend, main drive motor, oil/air cooler and oil reclaimer. Standard 12 months on all other equipment, conditions apply.

## FLEXIBLE SYSTEM OPTIONS

**AIR-ZONE** presents you the best solutions with "Modular System" series according to clients air requirements. According to your needs you can choose;

- Base compressor.
- Air receiver mounted compressor with sound proof canopy.
- Air receiver mounted compressor dryer and air filtration solution provided together as an exclusive problem free all in one system functioning even at 45 °C ambient temperatures.

## COMPACT DESIGN

- Includes air receiver, SRD series dryer, pre and after line filter in one complete package.

## AIR-ZONE COMPACT SE SERIES APACHE 4-15 KW Technical Data

MODEL	BAR	M <sup>3</sup> /MIN	FAD (cfm)	kW/Hp	LITRE	W (mm)	L (mm)	H (mm)	AIR CONNECTION	dBA	KG	DRYER	PRE/AFTER LINE FILTERS
RM 04 SE	8	0.62	22	4.0/5.5	250	550	1810	1400	3/4"	69	405	SRD 20	SF50 A & P
	10	0.56	20										
	13	0.48	17										
RM 05 SE	8	0.88	31	5.5/7.5	250	550	1810	1400	3/4"	69	415	SRD 30	SF50 A & P
	10	0.76	27										
	13	0.62	22										
RM 07 SE	8	1.19	42	7.5/10	500	650	1920	1640	3/4"	69	425	SRD40	SF150 A & P
	10	0.96	34										
	13	0.79	28										
RM 11 SE	8	1.70	60	11/15	500	650	1920	1640	3/4"	69	435	SRD 50	SF150 A & P
	10	1.40	48										
	13	1.18	42										
RM 15 SE	8	2.52	89	15/20	500	650	1920	1640	3/4"	69	532	SRD60	SF150 A & P
	10	2.20	77										
	13	1.85	65										

60 Hz versions are available upon request.

For Air-Zone Compressors Air Receiver Mounted/Non Mounted series please see separate brochure. The specifications and details are subject to change without prior notice.

