

AIR ZONE SERIES

Base Mounted

APACHE 18.5-132 KW, 110-792 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 reclaimers.
- 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.
- 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.

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.

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. Airend, main drive motor, oil/air cooler and oil reclaimer. Standard 12 months on all other equipment, conditions apply.

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 change ment.

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.

AIR-ZONE BASE MOUNTED APACHE 18.5-132 KW

MODEL	BAR	M ³ /MIN	FAD (cfm)	kW/Hp	W (mm)	L (mm)	H (mm)	AIR CONNECTION BSP	dBA	KG
BM 18	8	3.18	110	18.5 / 25	850	1250	1350	1"	79	472
	10	2.7	95.5							
	13	2.35	83.2							
BM 22	8	3.8	134	22 / 30	850	1250	1350	1"	79	494
	10	3.2	113							
	13	2.9	102							
BM 30	8	5.2	184	30 / 40	900	1350	1600	1 1/4"	79	627
	10	4.4	156							
	13	4.1	145							
BM 37	8	6.2	218	37 / 50	900	1350	1600	1 1/4"	79	660
	10	5.6	198							
	13	5.2	184							
BM 45	8	7.2	271	45 / 60	1030	1550	1750	1 1/4"	79	775
	10	6.4	254							
	13	5.9	209							
BM 55	8	9.8	345	55 / 75	1200	2000	1810	1 1/2"	79	1280
	10	8.6	304							
	13	8.0	283							
BM 75	8	12.6	445	75 / 100	1200	2000	1810	1 1/2"	79	1374
	10	11.2	396							
	13	9.4	333							
BM 90	8	15.8	658	90 / 125	1400	2500	2037	1 1/2"	79	1535
	10	13.1	559							
	13	12.0	464							
BM 110	8	18.6	658	110 / 150	1400	2500	2037	2"	79	1940
	10	15.8	460							
	13	13.0	425							
BM 132	8	22.4	792	132 / 180	1805	2500	2000	2"	79	2055
	10	18.6	658							
	13	15.6	552							

60 Hz versions are available upon request

*The specifications and details are subject to change without prior notice

