

COMTEK COAXIAL COMPRESSOR PUMPS "S" SERIES



NEW ROTAL TECHNOLOGY
PATENTED 

The lubricated piston compressors, produced with the patented **ROITAL technology**, can work heavy duty without reducing their life time. Due to their low energy input, high FAD, low maintenance costs and high quality they are qualified for all industrial and professional applications.

The noticeably higher volumetric efficiency, is determined by the significantly lower clearance volume.

Construction features

Compressor groups with IP 55

4 pole C1 electric motors. S1 continuous service. IP 55, B34 form

Single phase motor completed with protection with manual resetting

Forced lubrication with patented oil piston pump

Grey cast-iron cylinders

Valve plates with steel lamellar valves

Electric motor and crankshaft - one piece only; spheroid graphite cast-iron fully tempered

Gear pair in special sintered steel

Large heavy duty ball bearings

Special Teflon bush bearings to reduce friction

After coolers in aluminum are assembled around the fan

Metallic air filters with internal 10 micro paper cartridge



LOW VIBRATION



HEAVY DUTY SERVICE



HIGHER VOLUMETRIC OUTPUT



LONG LIFE



LOW OIL CONSUMPTION
min. 1000 h without refilling



ENERGY EFFICIENCY
Higher FAD with less energy input.



LARGE FAN



LOW MAINTENANCE



EASY STARTING
Rotating system requiring less start energy.



ROBUSTNESS



LOW RUNNING COSTS



FORCED LUBRICATION
Can perform in a strongly inclined position.

Coaxial compressor pumps - "S" Series



Type	Code	Volt./Freq.	Power		RPM	Cylinders	Inlet air		F.A.D.		Max pressure		Noise	L x D x H	Weight
COMTEK	n°	V-Hz	Kw	HP	n/min	n°	l/min	cfm	l/min	cfm	bar	psi	dB-A	cm	kg
SINGLE-PHASE LUBRICATED															
A47-2.0M9	50AD001203	230 / 50	1,5	2,0	1400	2	268	9,4	216	7,6	9	130	78	37x43x32	21
A48-3.0M9	50AH001203	230 / 50	2,2	3	1400	2	278	9,8	225	7,9	9	130	78	37x43x32	21,5
THREE-PHASE LUBRICATED															
A47-2.0T10	50AD001711	400 / 50	1,5	2,0	1420	2	271	9,5	221	7,8	10	145	78	37x43x32	20
A48-3.0T10	50AH001711	400 / 50	2,2	3	1420	2	282	10	230	8,1	10	145	78	37x43x32	20,5

Rotal technology

BALANCE

Two contra-rotating weights eliminate vibrations.

OPERATION

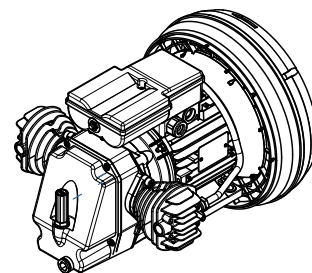
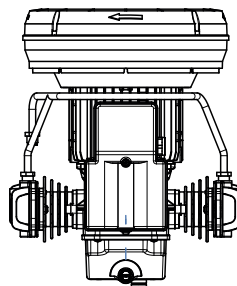
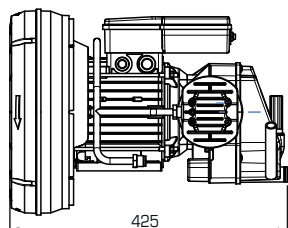
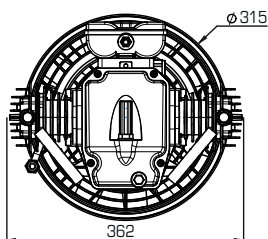
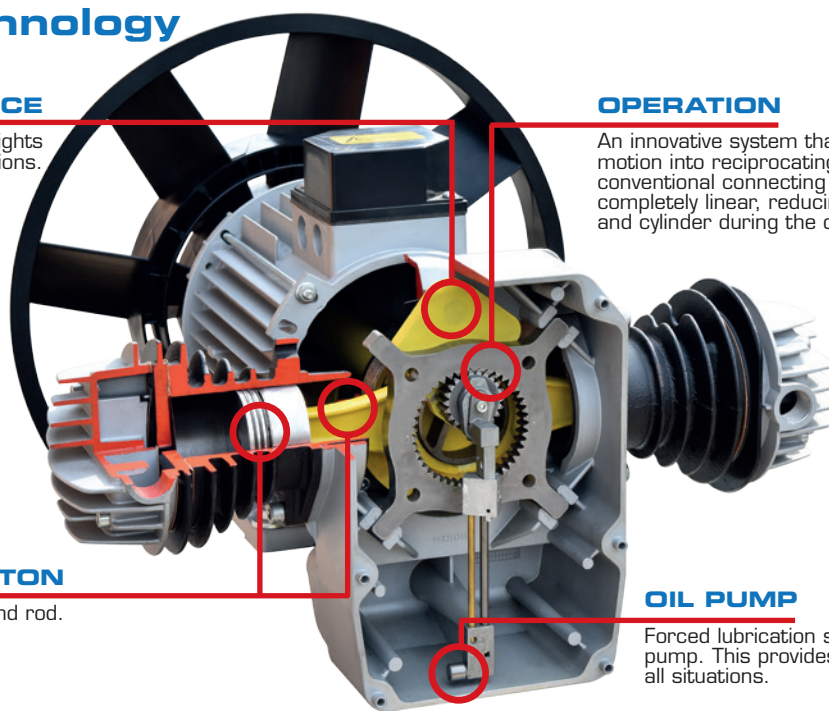
An innovative system that transform the rotating motion into reciprocating motion without using a conventional connecting rod. The piston motion is completely linear, reducing friction between piston and cylinder during the compression phase.

ROTARY PISTON

One-piece piston and rod.

OIL PUMP

Forced lubrication system by patented pump. This provides excellent lubrication in all situations.



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