



Oil-Less Piston Air Compressors

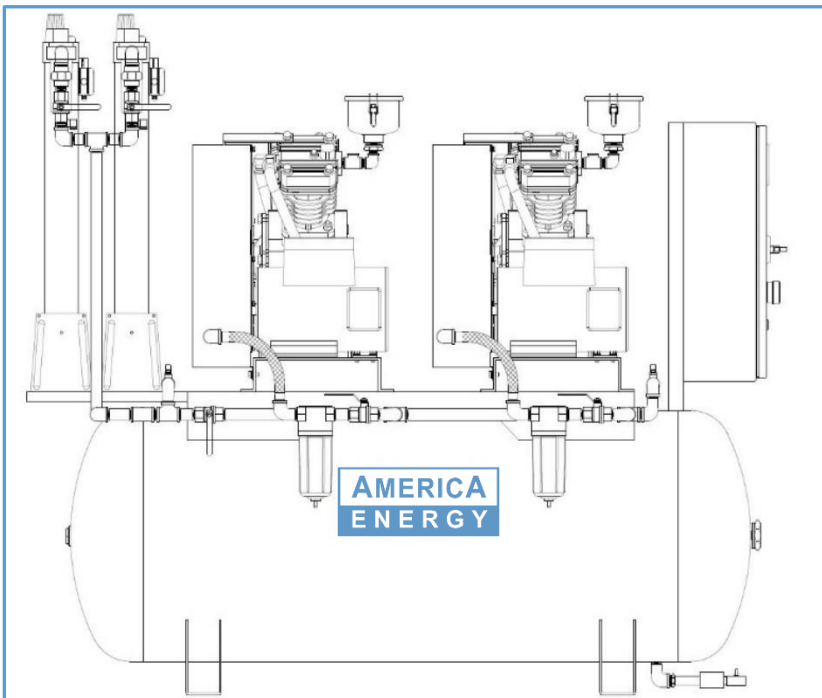
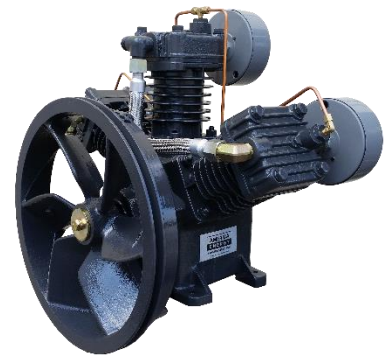
- Oil less piston pump design, no oil in the crankcase or compression chamber.
- Robust, cast iron crank case.
- Long lasting steel cylinders.
- Reed valves designed for smooth air intake and discharge.
- Oversized PTFE bull ring keeping the piston straight and reducing wear.
- Flywheel with integral fan for maximum cooling.
- 10,000 hour bearing & seal maintenance.
- Base mount units with made in USA UL control panel.
- Simplex and duplex ASME tank mount units, with optional dryers.

Principle of Operation

The compression is achieved by reducing the volume that is caught between the piston, piston rings and the cylinder. The compressed air is discharged through the discharge valve, locate in the valve plate. This process is continuously repeated, resulting in the delivery of compressed air.

Applications

Pharmaceutical - Hospital & Medical - Dental Laboratory – Painting – Food & Beverage - Packaging Application -Instrumentation - Rail Vehicles - Pneumatic control systems - Truck and Train Air brake systems.



ISO CLASS	Total oil concentration mg/m ³
0	As specified by the equipment user or supplier and more stringent than class 1
1	< 0.01
2	< 0.1
3	< 1
4	< 5

Basic Pump Specifications

MODEL	HP	Kw	Air Outlet (Flare)	FLOW		Cylinder Bore x Stroke x No (mm)	RPM	V-Belt	Flywheel Dia. In / (mm)	Approx. Dimensions WxDxH In / (mm)
				scfm @ 100 psig	l/min 7 barg					
AEP-C10	1	0.75	3/4"	3.0	84	(60x50x1)	1,000	Ax1	12.4 (314)	15 x 10 x 19 (370 x 245 x 462)
AEP-C20	2	1.5	3/4"	5.8	165	(82x50x1)	1,080	Ax1	14.6 (370)	16 x 11 x 21 (405 x 264 x 516)
AEP-C30	3	2.2	3/4"	9.0	255	(82x50x2)	790	Bx1	14.6 (370)	20 x 17 x 18 (503 x 410 x 443)
AEP-C50	5	3.7	3/4"	15.2	430	(90x60x2)	860	5Vx1	17.6 (446)	24 x 18 x 21 (606 x 440 x 527)
AEP-C75	7.5	5.5	3/4"	22.6	640	(90x60x3)	860	5Vx1	18 (457)	28 x 19 x 25 (710 x 480 x 629)

Base Mount Units Specifications

MODEL	HP	Kw	Air Outlet (Flare)	FLOW		BTU/Hr	Full Load Amp.			Weight Lbs (Kgr)	Approx. Dimensions WxDxH In / (mm)
				scfm 100 psig	l/min 7 barg		208V	230V	460V		
AEP-C10B	1	0.75	3/4"	3.0	84	2,545	4.1	3.6	1.8	95 (43)	C.F.
AEP-C20B	2	1.5	3/4"	5.8	165	5,090	6.0	5.8	2.9	120 (55)	C.F.
AEP-C30B	3	2.2	3/4"	9.0	255	7,635	9.0	8.2	4.1	170 (77)	C.F.
AEP-C50B	5	3.7	3/4"	15.2	430	12,725	14.8	12.8	6.4	285 (130)	C.F.
AEP-C75B	7.5	5.5	3/4"	22.6	640	19,088	20.0	18.2	9.1	310 (141)	C.F.

Simplex & Duplex Tank Mount Units Specifications

MODEL	HP	Kw	Tank (gal)	FLOW	
				scfm 100 psig	l/min 7 barg
AEP-O10S-__H-SSx	1	0.75	30-60-80	3.0	84
AEP-O20S-__H-SSx	2	1.5	30-60-80	5.8	165
AEP-O30S-__H-SSx	3	2.2	60-80	9.0	255
AEP-O50S-__H-SSx	5	3.7	80-120	15.2	430
AEP-O75S-__H-SSx	7.5	5.5	80-120	22.6	640
AEP-O10D-__H-SSx	1 (x2)	0.75 (x2)	120	6.0	170
AEP-O20D-__H-SSx	2 (x2)	1.5 (x2)	120	11.6	329
AEP-O30D-__H-SSx	3 (x2)	2.2 (x2)	120	18.0	510
AEP-O50D-__H-SSx	5 (x2)	3.7 (x2)	120	30.4	861
AEP-O75D-__H-SSx	7.5 (x2)	5.5 (x2)	120	45.2	1,280

CODE	Options for Industrial Air Systems
-D	Desiccant dryer w/pre & post filters
-DD	Dual desiccant dryer w/pre & post filters
-R	Refrigerated dryer w/pre & post filters
-RR	Dual refrigerated dryer w/pre & post filters
-1	Automatic electric tank drain
-2	Automatic electric tank drain & pressure regulator

X: Type of HMI (E: Electronic / T: Touch)

Simplex Control Panel: Control Trf & breaker, contactor, motor circuit protector, temp switch, hour meter, selector sw, run & failure pilot lights.

Duplex Control Panel: Control Trf & breaker, contactor, motor circuit protector, temp sensor, PLC with alternator & HMI with hour meter, selector sw, run & failure status.

Optional features

- Medical type inlet filters.
- Air cooler aftercooler.
- Water trap with auto drain.
- Automatic electric tank drain with strainer.
- Single or dual air Refrigerated or Desiccant air dryers, filters & regulators.