

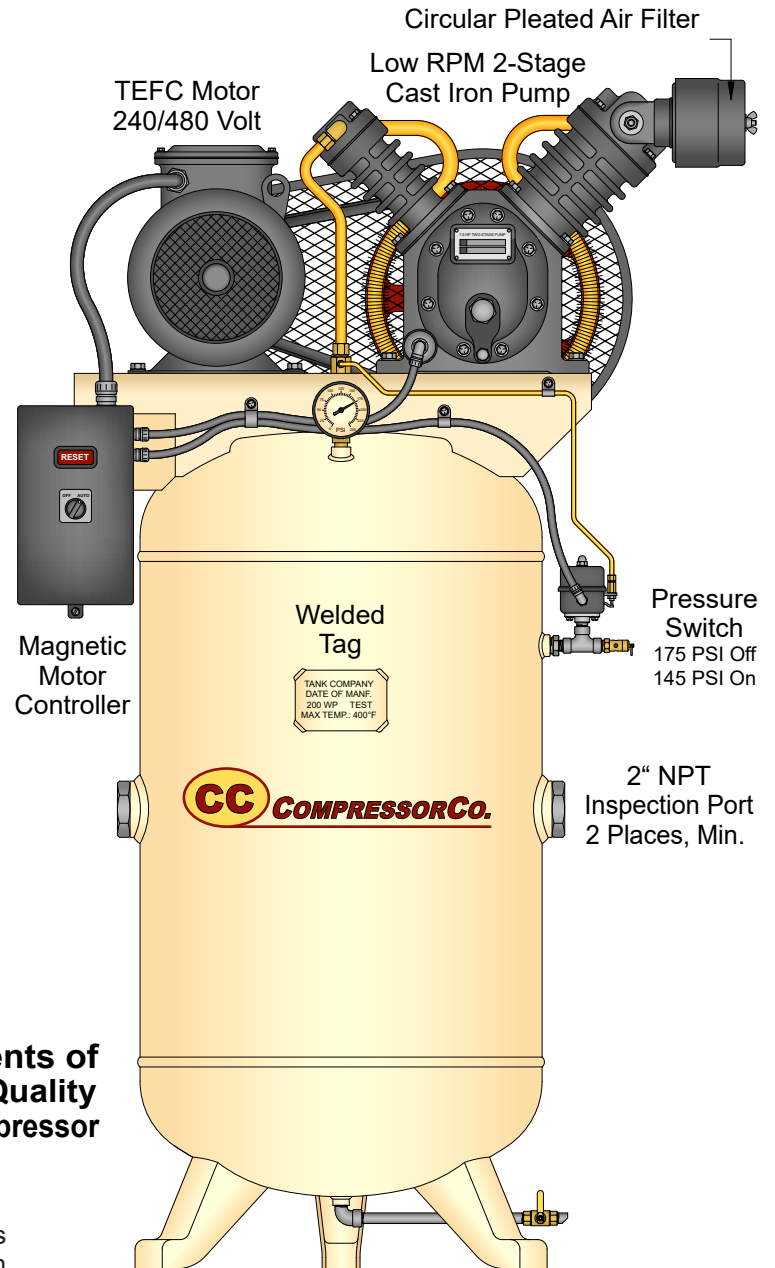
Technical Bulletin 103

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Industrial Quality 2-Stage Air Compressors

by Brian S. Elliott

While there is no official definition of “industrial quality”, there is a common sense recognition of what this means. An industrial quality two-stage air compressor will always have a few common features, as illustrated to the right. Among these is a low-speed, cast iron pump which has been specifically designed to have an extremely long life. In most cases, if the pumps are operated within their recommended perimeters and properly maintained, then the life of the pump will be in the 30 to 40 year range. The pump will be driven by a TEFC electric motor. The motor will be switched on and off with a magnetic motor starter. The motor strater is controlled by the pressure switch. See Technical Bulletin Num.: 99, “Electrical Systems for 2-Stage Air Compressors.” The Receiver will be an ASME-certified tank with a welded tag and at least two inspection ports. In addition to the ASME certification, the entire compressor will conform to all OSHA regulations. See Technical Bulletin Num.: 24, “OSHA Regulations for Compressed Air Receivers.”



Critical Elements of an Industrial Quality 2-Stage Air Compressor

60 to 250 Gallon Receiver
With a 200 PSI Working Pressure
Size Dependent on Horsepower
5 Through 30 HP



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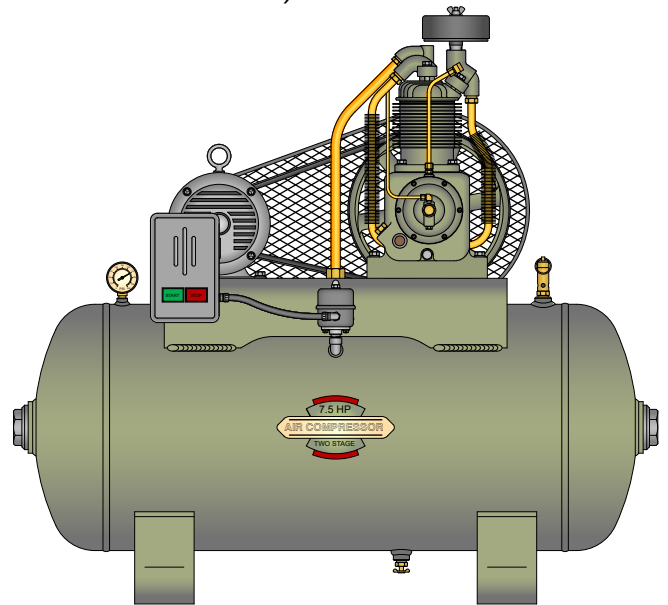
American Companies Manufacturing Industrial Quality Two-Stage Air Compressors

Brand	HP Range	Model Series	Web Site
C-Aire	5 - 15	-	cairecompression.com
Champion	2 - 30	RV, PL, R	championpneumatic.com
FS Curtis	5 - 30	CT, ML, CA	fscurtis.com
Eaton	5 - 25	Quiet Air, Std	eatoncompressor.com
Emax	5 - 15	Quite Air E, Std	emaxcompressor.com
Gardner Denver	2 - 30	R, RS, RV	gardnerdenver.com
Ingersoll Rand	5 - 30	PL, T-30	ingersollrand.com
Quincey	5 - 30	QP, QR, QT	quincycompressor.com
Rolair	3 - 20	V,H	rolair.com
Saylor Beall	1.5 - 30	VT, VT-PL, SL, PL	saylor-beall.com

Country of Origin

Dev-Air	Canada	5 - 15	IS, VAV, VAVH	dvsystems.com
Shultz	Brazil	2 - 30	VV, VL HV, HL, VW, HW	schultzamerica.com
ELGi	India	5 - 15	TS	elgi.com
Atlas Copco	Sweden	5 - 15	CR	atlascopco.com

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(With a Strong Presence in North America)



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