



# SAYLOR-BEALL

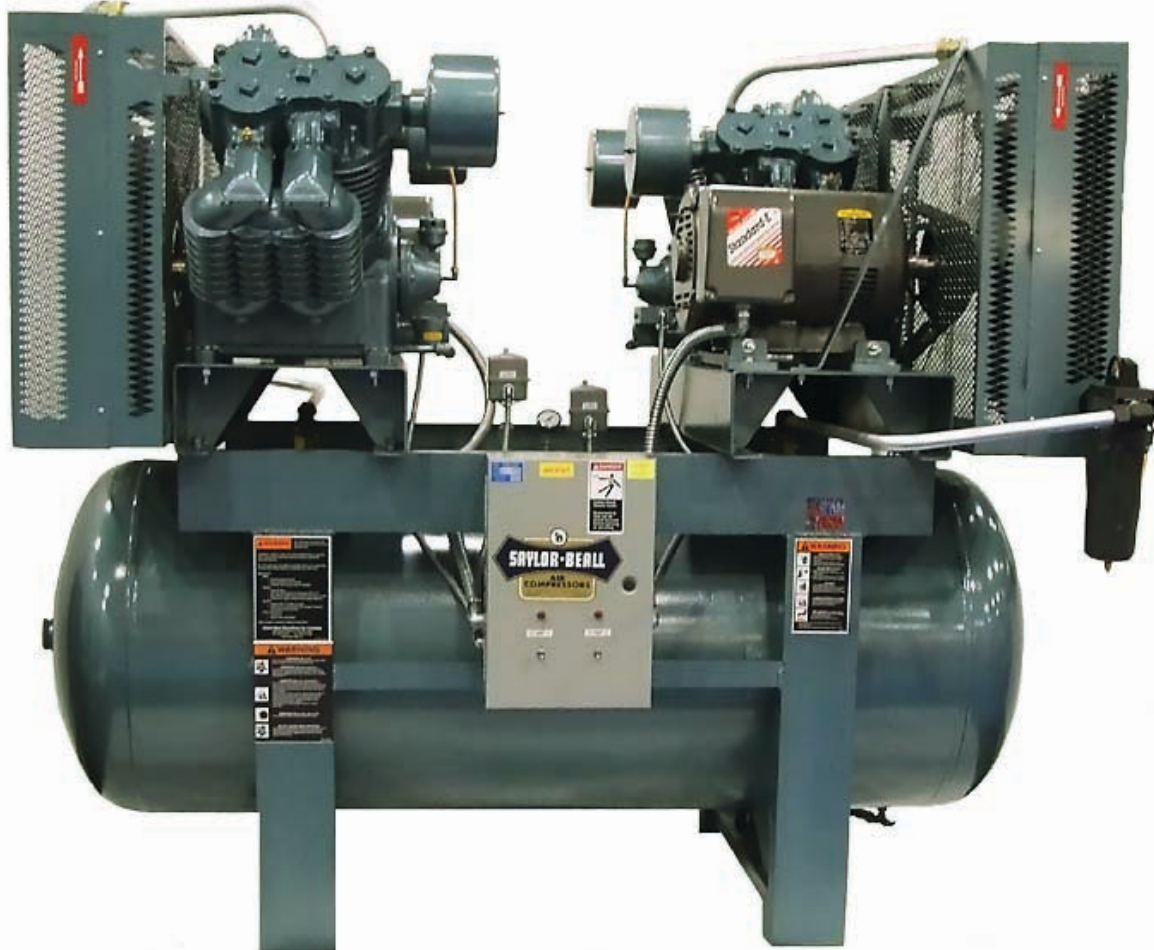
## AIR COMPRESSORS

ST. JOHNS, MICHIGAN  
989-224-2371 800-248-9001

# DUPLEX AIR COMPRESSORS



2212 Camplain Road  
Hillsborough, NJ 08844  
1-888-8FC-LIFT

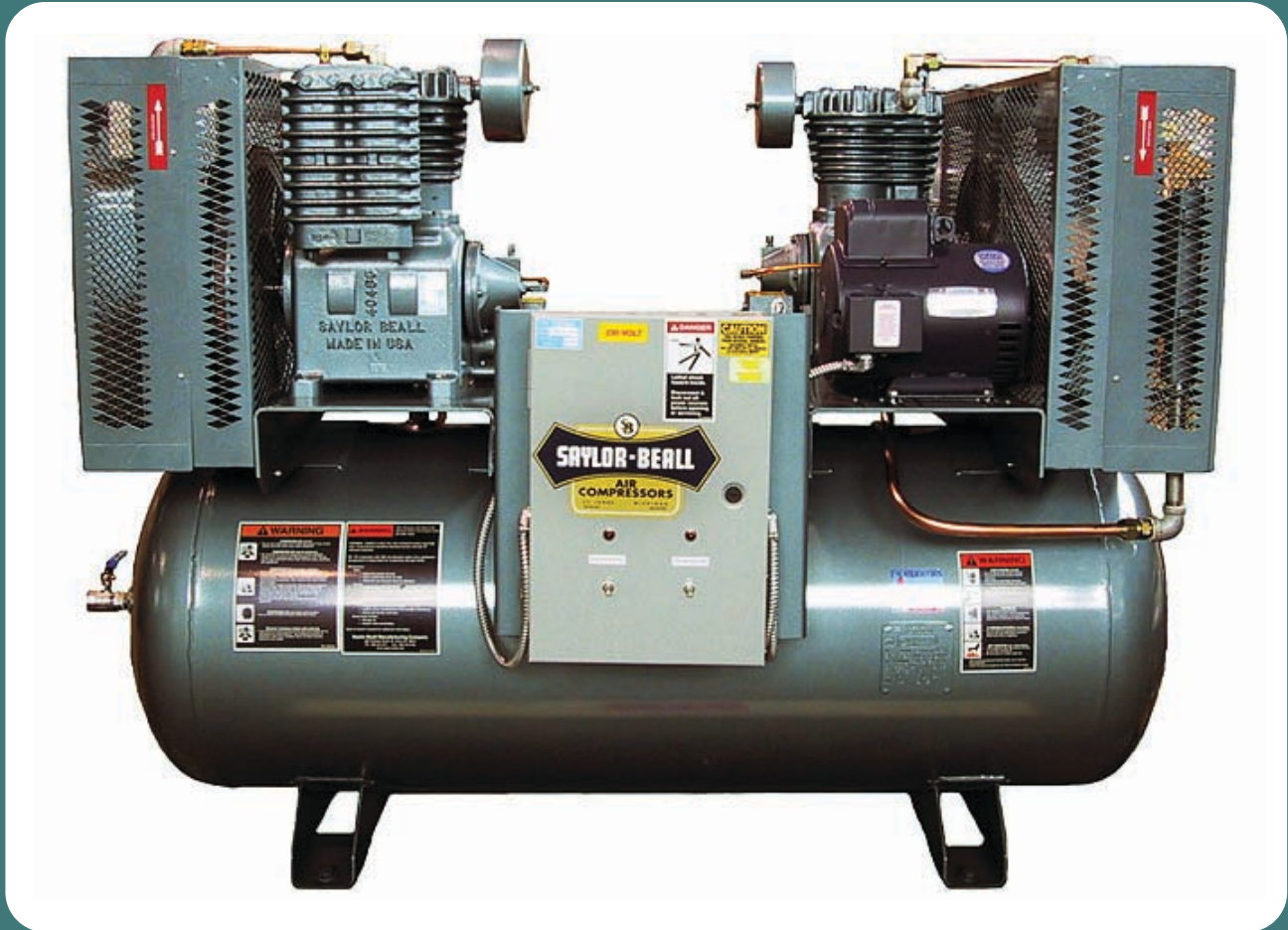


## Saves Power • Provides Back-up Easy Installation & Service

Saylor-Beall Manufacturing Co. • 400 N. Kibbee St. PO Box 40 • St. Johns, MI 48879  
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Model X-735-120-FP



**UL listing assists in acceptance by local codes and regulations.  
Panel provides single control source for duplex compressors.**

- Self contained controls include two magnetic starters, compressor alternator, on/off switches, and run lights.
- Power connects to single enclosure.
- Easy operation via toggle switches & run lights.
- Alternation feature provides even run time of compressor pumps.
- Automatically starts two compressors when one unit does not keep up with demand.
- Start/stop operation reduces power usage.
- Isolation feature allows user to manually turn one compressor off.

**Can be purchased separately and installed on existing compressor installations.**

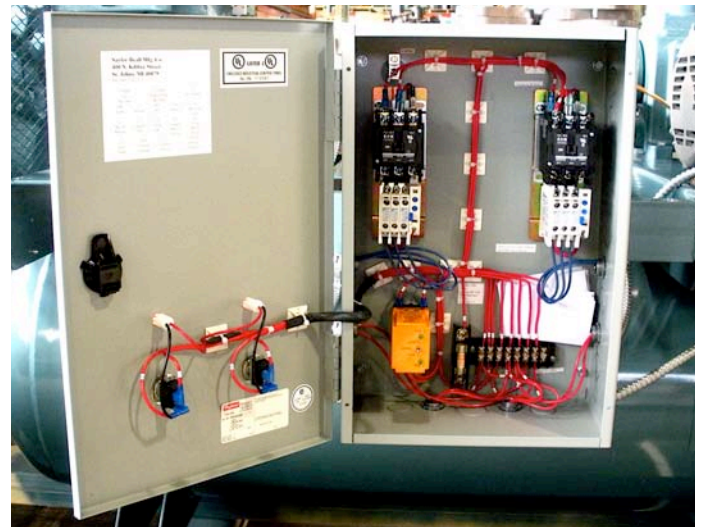
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## Duplex Compressor Sequence of Operations

1. The lead pressure switch closes, energizing the alternator relay and 1<sup>st</sup> air compressor.
2. The pressure rises, opening the lead pressure switch, de-energizing the alternator relay and the 1<sup>st</sup> air compressor.
3. The alternator will then alternate from the 1<sup>st</sup> air compressor to the 2<sup>nd</sup> air compressor, ready for the next need for compressed air.
4. The next phase is the same as Steps 1-3, except that the 2<sup>nd</sup> air compressor will run.
5. When the need for compressed air becomes greater than the operating compressor can produce and the pressure continues to drop after the lead pressure switch closes, the lag pressure switch will close, starting the 2<sup>nd</sup> air compressor.
6. As the pressure rises, the 2<sup>nd</sup> air compressor will shut off, then the 1<sup>st</sup> air compressor will shut off.



**Left:** Outside enclosure with toggle switches and run lights.



**Below:** Internal components including two magnetic starters, alternator, wiring and UL label.

The following chart shows the available configurations

Motor Horsepower	Phase	Voltage
1 1/2—5	1	230
1 1/2—5	3	230 or 460
7 1/2	3	230 or 460
10-15	3	230 or 460
20-25	3	460
20-25	3	230
30	3	460
30	3	230



## Optional Air-Cooled Aftercooler

Incorporates a unique design by mounting the heat exchanger in front of the electric motor and mounting a high flow fan on the electric motor shaft.

Since air flow over the compressor is not blocked, the **compressor runs cooler** than with other currently available belt guard mounted aftercoolers.

- **Standard duplex package** comes complete with two compressors, two electric motors, tank and UL-listed alternator control panel mounted and wired.
- **Performance package**, indicated by the FP, adds two air-cooled aftercoolers, two low oil controls, automatic tank drain and vibration isolator pads.



Standard Model	Performance Package Model	Horse-power	Pump Type	Delivered c.f.m.	Tank Size (gallons)	Standard Model* Dimensions (inches)
X-715-80	X-715-80-FP	1.5	703 (2)	11.6	Horizontal 80	L63 x W34 x H46
X-720-80	X-720-80-FP	2	703 (2)	15.0	Horizontal 80	L63 x W34 x H46
X-730-80	X-730-80-FP	3	705 (2)	22.2	Horizontal 80	L63 x W34 x H46
X-735-120	X-735-120-FP	5	705 (2)	34.6	Horizontal 120	L69 x W34 x H50
X-745-120	X-745-120-FP	7 1/2	707 (2)	53.8	Horizontal 120	L69 x W51 x H50
X-755-120	X-755-120-FP	10	707 (2)	68.8	Horizontal 120	L69 x W51 x H50
X-451520	X-451520-FP	15	4500 (2)	102.0	Horizontal 200	L77 x W52 x H76
X-92020	X-92020-FP	20	9000 (2)	152.2	Horizontal 200	L77 x W68 x H73
X-92520	X-92520-FP	25	9000 (2)	179.2	Horizontal 200	L77 x W68 x H73
X-93024	X-93024-FP	30	9000 (2)	202.2	Horizontal 240	L90 x W68 x H73

\*CALL FACTORY FOR FP MODEL DIMENSIONS

SAYLOR-BEALL Manufacturing Company warrants its compressors and parts when properly installed, lubricated and maintained as recommended and in accordance with good industry practice to be free from defects in material and workmanship under normal use and service. The responsibility of the Company under this warranty is limited to repair or replacement at the Company's factory, any compressor or part thereof, which shall, within one year after date of shipment to the original purchaser, be returned to the Company and which, upon examination, shall be found defective to the satisfaction of the Company. This warranty shall not apply to compressors or parts which have been subjected to misapplication, misuse, negligence or accident, to compressors or parts which have been repaired or tampered with outside the Company's factory when in the judgement of the Company, it appears that the reliability or stability of the compressor or part has been effected. Ordinary maintenance, such as adjustment and cleaning of equipment or components is the responsibility of the owner. All transportation and shipping charges shall be paid by purchaser. This warranty does not apply to electric motors or gasoline engines. These are covered by the Original Manufacturer's Warranty and should be returned by the purchaser to their authorized station for service. This warranty is expressly in lieu of all other warranties (except of title) expressed or implied and of any other obligations or liability on the part of the Company. There are no warranties of merchantability or of fitness for a particular purpose.