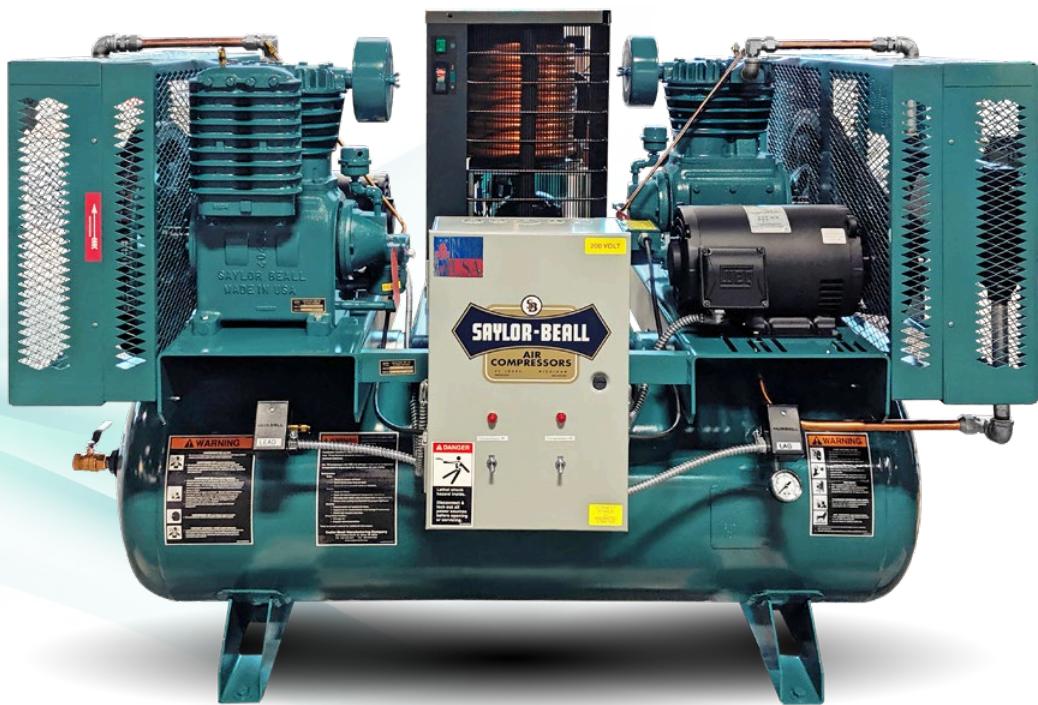


# CLIMATE CONTROL AIR COMPRESSORS

**SAYLOR-BEALL**

-AIR COMPRESSORS-



INDUSTRIAL QUALITY

## CLIMATE CONTROL AIR COMPRESSORS

½ - 30 HP

*Machined,  
Assembled  
& Tested  
in America  
Since 1915*



## CLIMATE CONTROL AIR COMPRESSORS

### CLIMATE CONTROL PISTON AIR COMPRESSORS

Modern pneumatically operated climate and instrument control systems demand the very best from a compressed air supply. Saylor-Beall's many years of compressor experience has resulted in a line of climate control air compressors that meet the high levels of performance and quality customers have come to expect. Saylor-Beall Climate Control air compressors provide the reliable, efficient and economical operation needed to keep pneumatic systems operating at peak performance.

Every Saylor-Beall compressor has cast iron industrial quality construction giving longer compressor life; high operating efficiency (cfm/hp) resulting in lower utility costs; and easily serviced design reducing maintenance costs over time.

#### SINGLE-STAGE PUMP SPECIFICATIONS

- Cast iron construction
- Disc type valves
- High flow flywheel
- Three piston rings for low oil carryover
- Automotive type insert bearings at the crankshaft
- Intake air filter/Silencer

#### TWO-STAGE PUMP SPECIFICATIONS

- Cast iron construction
- Disc type valves accessible without removing the head
- Needle bearings at the wrist pin
- Automotive type insert bearings at the crankshaft
- Four piston rings for low oil carry over
- Over-sized tapered roller main bearing
- High flow flywheel
- Crankcase side plate for easy access to the crankcase
- Intake air filter/silencer
- Cast iron inter-cooler with safety valve

#### SIMPLEX SPECIFICATIONS

- ASME code air receiver
- ASME receiver safety valve
- OSHA totally enclosed belt guard
- NEMA electric motor
- NEMA pressure switch (set for 80-100 psi operation)
- Receiver pressure gauge
- Receiver outlet valve



F-106-ICD

# SPECIFICATIONS

## Simplex Units - Tank Mounted

MOTOR H.P.	TANK CAP. (gal)	MODEL NUMBER	PUMP MODEL	100 PSI RATING		SPEED (RPM)	DIMENSIONS LxWxH (inches)	APPROX. SHIPPING WT. (lbs.)
				CFM DISPL.	ACFM			
1/2	30	F-123-IC	F Pump	2.7	1.7	470	38x16x32	197
	60	F-126-IC					48x20x36	297
3/4	30	F-343-IC	F Pump	4.0	2.7	700	38x16x32	197
	60	F-346-IC					48x20x36	297
1	30	K-103-IC	K Pump	6.1	3.9	540	38x16x32	224
	60	K-106-IC					48x20x36	324
1 1/2	60	715-60-IC	703	8.5	6.6	435	48x21x47	511
	80	715-80-IC					63x21x47	556
2	60	720-60-IC	703	10.5	8.3	540	48x21x47	532
	80	720-80-IC					63x21x47	577
3	60	730-60-IC	705	15.5	12.3	575	48x21x47	554
	80	730-80-IC					63x21x47	599
5	80	735-80-IC	705	23.0	18.3	850	63x21x47	570
	120	735-120-IC					69x24x51	615
5	80	737-80-IC	707	27.9	22.2	515	63x21x47	707
	120	737-120-IC					69x24x51	838
7 1/2	80	745-80-IC	707	39.4	31.2	730	63x21x47	713
	120	745-120-IC					69x24x51	840
10	80	755-80-IC	707	46.0	36.6	850	63x21x47	733
	120	755-120-IC					69x24x51	854
10	120	451012-IC	4500	51.0	41.8	665	75x29x58	1161
	200	451020-IC					78x30x63	1400
15	120	451512-IC	4500	63.7	52.2	830	75x29x58	1195
	200	451520-IC					78x30x63	1434
15	200	91520-IC	9000	84.4	72.1	550	78x30x63	1601
	240	91524-IC					85x30x63	1816
20	240	92024-IC	9000	102.1	86.1	665	85x30x63	1858
25	240	92524-IC	9000	119.7	101.6	780	85x30x63	1872
30	240	93024-IC	9000	127.4	104.5	830	85x30x63	1893

## Simplex Units Tank Mounted w/ Refrigerated Air Dryer

MOTOR H.P.	TANK CAP. (gal)	MODEL NUMBER	PUMP MODEL	100 PSI RATING		SPEED (RPM)	OPTIONAL COALESCING FILTER P/N	DIMENSIONS LxWxH (inches)	APPROX. SHIPPING WT. (lbs.)
				CFM DISPL.	ACFM				
1/2	30	F-123-ICD	F Pump	2.7	1.7	470	SBCF-10	38x25x35	263
	60	F-126-ICD						48x25x39	463
3/4	30	F-343-ICD	F Pump	4.0	2.7	700	SBCF-10	38x25x35	280
	60	F-346-ICD						48x25x39	473
1	30	K-103-ICD	K Pump	6.1	3.9	540	SBCF-10	38x25x35	294
	60	K-106-ICD						48x25x39	477
1 1/2	80	715-80-ICD	703	8.5	6.6	435	SBCF-10	79x32x54	626
2	80	720-80-ICD	703	10.5	8.3	540	SBCF-10	79x32x54	647

SPECS continued on next page

# SPECIFICATIONS

## Simplex Units Tank Mounted w/ Refrigerated Air Dryer (continued)

MOTOR H.P.	TANK CAP. (gal)	MODEL NUMBER	PUMP MODEL	100 PSI RATING			OPTIONAL COALESCING FILTER P/N	DIMENSIONS LxWxH (inches)	APPROX. SHIPPING WT. (lbs.)
				CFM DISPL.	ACFM	SPEED (RPM)			
3	80	730-80-ICD	705	15.5	12.3	575	SBCF-20	79x32x54	677
	80	735-80-ICD	705	23.0	18.3	850	SBCF-20	79x32x54	693
5	120	735-120-ICD						85x34x58	819
	80	737-80-ICD	707	27.9	22.2	515	SBCF-20	79x32x54	822
5	120	737-120-ICD						85x34x58	953
	80	745-80-ICD	707	39.4	31.2	730	SBCF-50	79x32x54	828
7½	120	745-120-ICD						85x34x58	955
	80	755-80-ICD	707	46.0	36.6	850	SBCF-50	79x32x54	932
10	120	755-120-ICD						85x34x58	1053
	120	451012-ICD	4500	51.0	41.8	665	SBCF-50	85x34x65	1361
10	120	451512-ICD	4500	63.7	52.2	830	SBCF-50	85x34x65	1415

## Duplex Units - Tank Mounted

MOTOR H.P.	TANK CAP. (gal)	MODEL NUMBER	PUMP MODEL	100 PSI RATING			DIMENSIONS LxWxH (inches)	APPROX. SHIPPING WT. (lbs.)
				CFM DISPL.	ACFM	SPEED (RPM)		
½	30	XF-123-IC	F Pump (2)	5.4	3.4	470	38x31x35	270
	60	XF-126-IC					48x31x39	370
¾	30	XF-343-IC	F Pump (2)	8.0	5.4	700	38x31x35	272
	60	XF-346-IC					48x31x39	507
1	60	XK-106-IC	K Pump (2)	12.2	7.8	540	38x31x35	507
	80	XK-108-IC					53x31x39	552
1½	80	X-715-80-IC	703 (2)	17.0	13.6	435	63x40x46	970
	120	X-715-80-IC					69x40x50	1095
2	80	X-720-80-IC	703 (2)	21.0	16.6	540	63x40x46	1008
	120	X-720-120-IC					69x40x50	1133
3	80	X-730-80-IC	705 (2)	31.0	24.6	575	63x40x46	1072
	120	X-730-120-IC					69x40x50	1197
5	80	X-735-80-IC	705 (2)	46.0	36.6	850	63x40x46	1078
	120	X-735-120-IC					69x40x50	1203
5	120	X-737-120-IC	707 (2)	55.8	44.4	515	69x51x50	1403
	200	X-737-200-IC					72x51x56	1605
7½	120	X-745-120-IC	707 (2)	79.8	62.4	730	69x51x50	1415
	200	X-745-200-IC					72x51x56	1617
10	120	X-755-120-IC	707 (2)	92.0	73.2	850	69x51x50	1428
	200	X-755-200-IC					72x51x56	1634
10	200	X-451020-IC	4500 (2)	102.0	83.6	665	77x52x76	2445
	240	X-451024-IC					90x59x76	2680
15	200	X-451520-IC	4500 (2)	127.4	104.4	830	77x52x76	2513
	240	X-451524-IC					90x59x76	2748
15	240	X-91524-IC	9000 (2)	168.8	144.2	550	90x68x73	3316
20	240	X-92024-IC	9000 (2)	204.2	172.2	665	90x68x73	3456
25	240	X-92524-IC	9000 (2)	239.4	203.2	780	90x68x73	3556
30	240	X-93024-IC	9000 (2)	255.0	209.0	830	90x68x73	3758
30	240	93024-IC	9000	127.4	104.5	830	85x30x63	1893

## SUPPLYING RELIABLE, EFFICIENT AND ECONOMICAL COMPRESSED AIR

To meet the special needs of climate and instrument control applications Saylor-Beall Climate Control air compressors achieve low oil carry-over through slow operating RPM, tightly controlled cylinder tolerances and special ring design.

Saylor-Beall's dedication to customer satisfaction continues after the sale. Every product that carries the Saylor-Beall name comes with the full support of an experienced air compressor company. Saylor-Beall stands behind every unit with service and technical support. A large network of distributors throughout the United States and Canada assures convenient service and parts availability.

### DUPLEX SPECIFICATIONS

- ASME code air receiver
- ASME receiver safety valve
- OSHA totally enclosed belt guards (2)
- NEMA electric motors (2)
- NEMA pressure switches (2) - (set for 80-100 psi operation)
- Receiver pressure gauge
- Alternating control panel with magnetic starters (factory mounted and wired)
- Receiver outlet valve

### OPTIONS

#### (for Simplex and Duplex Units)

- Full oil pressure lubrication
- Magnetic starters
- Low oil level shutdown
- Automatic tank drain
- Quiet intake filters
- Belt guard mounted, fan cooled after-cooler
- Refrigerated air dryers
- Desiccant air dryers
- Water separator filters
- Coalescing compressed air filters
- Carbon activated, oil vapor adsorbing compressed air filters
- Tank vibration isolators
- Flex outlet hose



X-735-120-IC

*Many options can be factory mounted and/or wired. Please consult factory for details.*

## PRODUCT LINE

### COMPRESSORS

- Splash Lube Air Compressors
- Pressure Lube Air Compressors
- Duplex Compressors
- Performance Packages
- Engine Driven Compressors
- Oilless Compressors
- Rotary Screw Air Compressors
- CD & CDD Compressor Packages
- Two Stage Air Compressors

### DRYERS

- SBD Series Dryers
- SBR/HR Series Dryers

### PUMPS

- Splash Lubricated Pumps
- Pressure Lubricated Pumps
- Single Stage Air Compressor Pumps
- Two Stage Air Compressor Pumps
- Oilless Air Compressor Pumps



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, 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.