



SAYLOR-BEALL

AIR COMPRESSORS

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

SBR/HT SERIES DRYERS



Model SBR/HT-35



Model SBR/HT-75



AMERICAN MADE QUALITY

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Compressed Air Treatment System

Cools, dries and cleans in a compact easy-to-use package



Model SBR/HT-50

A complete air treatment system

- Functions as an aftercooler/separator, refrigerated dryer and filter in one package
- Eliminates need for separate aftercooler and separator... accepts high temperature air (to 180°F) directly from your air compressor
- Includes a refrigerated dryer... removes moisture... eliminates troublesome water from downstream air lines and equipment
- An integral 3 micron filter removes solid contaminants and 60% of oil aerosols (for virtually oil free air add a high efficiency oil removal filter downstream)

Furnishes clean, dry air for commercial and industrial facilities with 5 to 30* horsepower compressors

- Protects pneumatic equipment from solid and liquid contaminants
- Allows compressed air equipment to work at peak efficiency
- Prolongs equipment life... reduces maintenance costs
- Eliminates the need to install and maintain point-of-use filters, separators or extractors

Easy model selection

- Pre-engineered systems... no need to select and purchase separate components
- Models matched to common compressor sizes

Easy installation

- Compact - saves valuable floor space
- No separate components to pipe together... simply connect inlet and outlet connections to the air system, plug in and it's ready to operate

Easy to use

- Continuously dries and cleans without adjustments
- Eliminates the need to frequently replace desiccants, paper rolls, etc.

Economical

- Low power usage
- Low pressure drop



Model SBR/HT-20

MADE IN USA
5 year heat exchanger warranty
2 year refrigeration system warranty

Features

- Compact, highly efficient heat exchangers... no internal mesh to foul... heat exchange efficiency increased by creating helix flow paths in counterflow arrangement
- Two stage separator/filter removes condensed oil and water over a wide range of flows
- Reliable condensate drain - air operated... automatically discharges water and oil from dryer without air loss... no timer to adjust
- Automatic refrigeration temperature control system maintains precise chilled air temperature – never needs to be adjusted for load, ambient or seasonal changes, no freeze ups
- Fan switch - allows operation in low (350F, 20C) ambients, saves energy at low loads
- Hermetic refrigeration system - requires no maintenance, no adjustments, operates as reliably as your home refrigerator
- Air reheated to save energy and prevent pipe sweating

Easy to Install

- Free standing cabinet with feet
- Power cord with molded plug
- Staggered inlet/outlet connections makes pipe connections easy

Easy to operate

- On/off switch - turns all components on
- Fault light - indicates overload or system malfunction

Easy to maintain

- Simple filter sleeve replacement
- Includes cleanable refrigeration condenser filter and cleanable inlet strainer

CSA certified
CFC free

Uses minimum amount of environmentally acceptable refrigerant



SPECIFICATIONS

SAYLOR-BEALL

AIR COMPRESSORS

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Capacity for flows based on 180°F, 82°C inlet (for typical applications where there is no after cooler installed)

Model Number	Flow Capacity scfm(1) @ 175 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (1) @ 150 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (1) @ 125 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (1) @ 100 psig		Use with Air Compressor Size (hp)
	60 HZ	50 HZ		60HZ	50HZ		60HZ	50HZ		60HZ	50HZ	
SBR/HT20	23	20	5	22	18	5	20	17	5	18	15	3
SBR/HT25	29	24	7.5	27	23	7.5	25	21	5	23	19	5
SBR/HT35	41	31	10	38	29	10	35	27	7.5	32	24	7.5
SBR/HT50	58	58	15	54	54	15	50	50	10	45	45	10
SBR/HT75	88	71	20	81	66	20	75	61	15	68	55	15
SBR/HT100	116	97	25	108	90	25	100	83	25	91	76	20
SBR/HT125	145	120	30	135	112	30	125	104	30	114	95	25

(1) Capacity @ 180°F, 82°C inlet temperature, 160°F, 71°C inlet pressure dew point, 95°F, 35°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 5 psi, 0.35 bar pressure drop.

Capacity for flows based on 100°F, 38°C inlet (for typical applications where an after cooler is installed upstream)

Model Number	Flow Capacity scfm (2) @ 175 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (2) @ 150 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (2) @ 125 psig		Use with Air Compressor Size (hp)	Flow Capacity scfm (2) @ 100 psig		Use with Air Compressor Size (hp)
	60HZ	50HZ		60HZ	50HZ		60HZ	50HZ		60HZ	50HZ	
SBR/HT20	32	27	7.5	30	25	7.5	28	23	5	25	21	5
SBR/HT25	40	33	10	37	31	10	34	29	7.5	31	26	7.5
SBR/HT35	55	43	15	51	40	15	47	37	10	43	33	10
SBR/HT50	78	78	20	73	73	20	67	67	15	61	61	15
SBR/HT75	118	96	25	110	90	25	102	83	20	92	75	20
SBR/HT100	157	131	30	146	122	30	136	113	30	123	102	25
SBR/HT125	197	164	40	183	152	40	170	142	40	155	129	30

(2) Capacity @ 100°F, 38°C inlet pressure dew point, 100°F, 38°C ambient temperature, 50°F, 10°C outlet pressure dew point, and less than 10 psi, 0.7 bar pressure drop.

Specifications

Model Number	Power Requirements				Maximum Working Pressure	Maximum Inlet Temperature	Ambient Temperature Range	In/Out Connections NPT or BSP	Dimensions inch [mm]			Weight lb [kg]
	115V/1ph/60HZ		230V/1ph/50HZ						H	W	D	
	Amps	kW	Amps	kW	175 psig 12.3 kg/cm	180 82	35-110 2-43					
SBR/HT20	6.9	0.7	2.9	0.6				1/2"	28 [718]	10 [257]	13 [327]	79 [35.8]
SBR/HT25	6.9	0.7	2.9	0.6				1/2"	28 [718]	10 [257]	13 [327]	80 [36.3]
SBR/HT35	6.9	0.7	2.9	0.6				1/2"	28 [718]	10 [257]	13 [327]	81 [36.7]
SBR/HT50	13.4	1.4	5.5	1.1				3/4"	37 [933]	17 [429]	17 [429]	150 [68.0]
SBR/HT75	13.4	1.4	5.5	1.1				3/4"	37 [933]	17 [429]	17 [429]	155 [70.3]
SBR/HT100	-	-	13.3	2.11				3/4"	46 [1162]	17 [429]	17 [429]	170 [77.1]
SBR/HT125	-	-	13.3	2.11				3/4"	46 [1162]	17 [429]	17 [429]	175 [79.4]

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 affected. 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.