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

Saylor-Beall Manufacturing Co. • 400 N. Kibbee St. PO Box 40 • St. Johns, MI 48879
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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^{0}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 contaminates 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

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

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

CSA certified
CFC free
Uses minimum amount of environmentally acceptable refrigerant

SPECIFICATIONS

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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, 82oC 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 that 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								
SBR/HT20	6.9	0.7	2.9	0.6	175 psig 12.3 kg/cm	180 82	35-110 2-43	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]