

Cool, Dry, and Clean Your Compressed Air Supply in One, Compact Easy-to-Use Package

- Replaces separate aftercooler, separator, dryer and filter
- Ideal for auto body shops, auto service centers, and commercial and industrial facilities with 5 to 20 horsepower compressors

Clean, Dry Air

- Prevents surface blemishes and poor paint adhesion caused by wet air
- Makes air tools last longer...protects your investment in pneumatic equipment
- Allows compressed air equipment to work at peak efficiency
- Eliminates the need to install and maintain point-of-use filters, separators, or extractors
- Keeps sandblasters from clogging

A Hankison® HIT Series Dryer offers:

A complete air treatment system - replaces four separate components

- Cools...accepts high temperature air to 180°F, 82°C directly from your air compressor...no separate aftercooler and separator required
- Dries...removes moisture...eliminates troublesome water from downstream air lines and equipment
- Cleans...an integral 3 micron filter removes solid contaminants and 60% of oil aerosols (for virtually oil free air, Hankison high efficiency oil removal filters are available)

Easy to Select

- Pre-engineered systems...no need to select, purchase, install, and maintain separate components
- Models matched to common compressor sizes
- Capacities also shown for units installed in systems with aftercoolers (100°F, 38°C inlet)

Easy to install

- 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.

Efficient

- High efficiency heat exchangers minimize power usage
- Low pressure drop



HIGH INLET

TEMPERATURE

REFRIGERATED

COMPRESSED

AIR DRYERS

Features:

Cools, Dries and Cleans in One Package

Designed and Built to Run Reliably for Years

- 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 adjusted for load, ambient or seasonal changes - no freeze-ups
- Fan switch - allows operation in low (35°F, 2°C) 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 (115V models)

CFC Free

Uses R407c, an environmentally acceptable refrigerant

Made in USA

5 year heat exchanger warranty 2 year refrigeration system warranty

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

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	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
	HIT20	23	20	5	5	22	18	5	5	20	17	5	5	18	15	5
HIT25	29	24	7.5	7.5	27	23	7.5	7.5	25	21	7.5	5	23	19	5	5
HIT35	41	31	10	7.5	38	29	10	7.5	35	27	10	7.5	32	24	7.5	7.5
HIT50	58	58	15	15	54	54	15	15	50	50	15	10	45	45	10	10
HIT75	87	71	20	20	81	66	20	15	75	61	20	15	68	55	15	15
HIT100	116	97	25	25	108	90	25	20	100	83	25	20	91	76	20	15
HIT125	145	121	30	30	135	112	30	30	125	104	30	25	114	95	25	20

(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 kgf/cm² pressure drop.

Capacity for flows based on 100°F, 38°C inlet (for typical applications where an aftercooler 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)	
	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
	HIT20	32	27	10	7.5	30	25	7.5	7.5	28	23	7.5	7.5	25	21	7.5
HIT25	40	33	10	10	37	31	10	7.5	34	29	10	7.5	31	26	7.5	7.5
HIT35	55	43	15	10	51	40	15	10	47	37	10	10	43	33	10	10
HIT50	78	78	20	20	73	73	20	20	67	67	15	15	61	61	15	15
HIT75	118	96	25	25	110	90	25	25	102	83	25	20	92	75	20	20
HIT100	157	131	30	30	146	122	30	30	136	113	30	25	123	102	25	20
HIT125	197	164	20 ⁽²⁾	20 ⁽²⁾	183	152	20 ⁽²⁾	30	170	142	20 ⁽²⁾	30	155	129	30	25

(2) Capacity @ 100°F, 38°C inlet temperature, 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 kgf/cm² pressure drop.

Specifications

Model Number	Power Requirements		Maximum Working Pressure	Maximum Inlet Temperature	Ambient Temperature Range	In/Out Connections NPT or BSP	Dimensions in [mm]			Wt lb [kg]
	115V/1ph/60Hz kW	220-240V/1ph/50Hz kW					H	W	D	
HIT20	0.73	0.60	175 psig 12.3 kg/cm ²	180°F 82°C	35-110°F 2-43°C	1/2"	28 [718]	10 [257]	13 [327]	79 [36]
HIT25	0.73	0.60				1/2"	28 [718]	10 [257]	13 [327]	80 [36]
HIT35	0.73	0.60				1/2"	28 [718]	10 [257]	13 [327]	81 [37]
HIT50	1.37	1.08				3/4"	37 [933]	17 [429]	17 [429]	150 [68]
HIT75	1.37	1.08				3/4"	37 [933]	17 [429]	17 [429]	155 [70]
HIT100	2.56	2.11				3/4"	46 [1162]	17 [429]	17 [429]	187 [85]
HIT125	2.56	2.11				3/4"	46 [1162]	17 [429]	17 [429]	189 [86]



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