

High Inlet Temperature Refrigerated Compressed Air Dryers



HIT Series

COMPACT DESIGN DELIVERS SUPERIOR RESULTS

This complete air treatment system replaces four separate components; the aftercooler, separator, dryer and filter, with one compact package.

The HIT Series dryers are ideal for auto body shops, auto service centers, commercial and industrial facilities currently utilizing 5 to 30 HP compressors. Guaranteed to cool, dry and clean your compressed air Hankison's HIT Series dryers are the smart choice

CLEAN, DRY AIR DELIVERED

Cools: Accepts high temperature air to 180°F, 82°C directly from your air compressor

Dries: Removes moisture and eliminates troublesome water from downstream air lines and equipment

Cleans: Two stage integral 3 micron filter/separator removes solid contaminants and 60% of oil aerosols over a wide range of flows

Protects your investment in pneumatic equipment by making air tools last longer

DESIGNED FOR DURABILITY AND RELIABILITY

Easy to Select

- Pre-engineered systems
- 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, free standing cabinet with feet saves valuable floor space
- No separate components to pipe together, connect inlet and outlet connections to the air system, plug in and it's ready to operate

Easy to Operate

- Continuously dries and cleans without adjustments
- On/Off switch - turns on all components
- Fault Light - indicates overload or system malfunction
- Automatic refrigeration temperature control system maintains precise chilled air temperature, no need to adjust for load, ambient or seasonal changes and never freezes
- Fan switch - allows operation in low (35°F, 2°C) ambients, saves energy at low loads
- Allows compressed air equipment to work at peak efficiency

Easy to Maintain

- Simple filter sleeve replacement
- Includes cleanable refrigeration condenser filter and inlet strainer
- Compact, highly efficient heat exchangers--no internal mesh to foul
- Hermetic refrigeration system - requires no maintenance or adjustments
- Air-operated condensate drain automatically discharges water and oil from dryer without air loss
- Air reheated to save energy and prevent pipe sweating



CAPACITY FOR FLOWS BASED ON 180°F, 82°C INLET

MODEL	FLOW CAPACITY SCFM ¹ @ 175		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 150		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 125		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 100		RECOMMENDED AIR COMPRESSOR SIZE	
	PSIG (12 KG/CM ²)		HP		PSIG (11 KG/CM ²)		HP		PSIG (9 KG/CM ²)		HP		PSIG (7 KG/CM ²)		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	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	5	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

For typical applications where there is NO aftercooler installed upstream

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 psig (0.35 kg/cm²) pressure drop.

CAPACITY FOR FLOWS BASED ON 100°F, 38°C INLET

MODEL	FLOW CAPACITY SCFM ¹ @ 175		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 150		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 125		RECOMMENDED AIR COMPRESSOR SIZE		FLOW CAPACITY SCFM ¹ @ 100		RECOMMENDED AIR COMPRESSOR SIZE	
	PSIG (12 KG/CM ²)		HP		PSIG (11 KG/CM ²)		HP		PSIG (9 KG/CM ²)		HP		PSIG (7 KG/CM ²)		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	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	40	40	183	152	40	30	170	142	40	30	155	129	30	25

For typical applications where an aftercooler is installed upstream

¹ 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 psig (0.7 kg/cm²) pressure drop.

HIT SERIES PRODUCT SPECIFICATIONS

MODEL	POWER REQUIREMENTS		MAXIMUM WORKING PRESSURE	MAXIMUM INLET TEMPERATURE	AMBIENT TEMPERATURE RANGE	In / Out Connections NPT OR BSP	DIMENSIONS						WEIGHT	
	115V/1ph/60Hz	220-240V/1ph/50Hz					H		W		D		lbs	kg
	kW	kW					IN	MM	IN	MM	IN	MM		
HIT25	0.73	0.6				1/2"	28	718	10	257	13	327	80	36
HIT35	0.73	0.6				1/2"	28	718	10	257	13	327	81	37
HIT50	1.37	1.08	250 psig 17.6 kg/cm ²	180°F 82°C	35°F-110°F 2°C-43°C	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	-	2.11				3/4"	46	1162	17	429	17	429	170	77
HIT125	-	2.11				3/4"	46	1162	17	429	17	429	175	80



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