

CHAMPION[®]

HIGH INLET TEMPERATURE REFRIGERATED AIR DRYERS | 15-100 SCFM

CRH Series



High Inlet Temperature Refrigerated Compressed Air Dryers



Space-Saving Design for Use with Reciprocating Compressors up to 25 HP

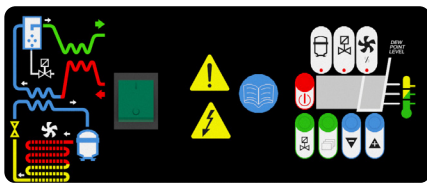
Champion specializes in delivering the best air quality for all working environments. Designed to work with reciprocating compressors, the CRH Series is ideally suited for auto body shops, auto service centers, and light industrial facilities with 5 to 25 horsepower compressors. A unique heat exchanger allows the dryer to accept high inlet temperatures, up to 200° F (93° C). This allows compressed air users to send high temperature air straight from their compressor directly to the CRH Series refrigerated dryer. Separate aftercooler and separator installations are no longer necessary. This provides important savings in installation space and installation time. The models match to most reciprocating compressor sizes and can also be easily sized if the compressor already has a tank-mounted air-cooled aftercooler.

CRH Series Features

- Adjustable timed electric drain reliably discharges condensate from the dryer
- Electrical certified to meet UL safety standards 60335-1 and 60335-2-40
- Increased sustainability utilizing R513A refrigerant
- 15-35 SCFM Controls: Instrumentation with lighted compressor On/Off switch, dew point temperature indicator and fault light
- 60-100 SCFM Controls: Advanced microprocessor controller allows easy maintenance and management of operation
- Top mount fan, upward condenser air flow allows installation in tight spaces
- Quick release front panel for ease of access to dryer internals for routine maintenance



15-35 SCFM



60-100 SCFM

Reduce Overhead Costs

Removing water, solid particulates and oil from your compressed air system has many benefits which all lead to increased productivity and reduced overhead costs. One typical use for compressed air is for painting. Modern refinish materials and spray guns deliver superior paint finishes. Moisture and oil in the compressed air will result in paint rejects and lead to unnecessary purchases of extra unthinned color-coat paints, thinners and hardeners.

CALCULATE THE COST OF PAINT REJECTS

COST OF LABOR, MATERIALS & THROUGH-PUT DELAYS	PAIN REJECTS PER WEEK × NUMBER OF WEEKS	COST OF PAINT REJECTS
\$150 ×	1 × 52	= \$7,800
\$150 ×	2 × 52	= \$15,600
\$200 ×	1 × 52	= \$10,400
\$200 ×	2 × 52	= \$20,800

SPECIFICATIONS

MODEL	FLOW CAPACITY SCFM*	POWER REQUIREMENTS		IN/OUT CONNECTIONS NPT	REFRIGERANT TYPE**
		V/PH/HZ	KW		
CRHA15A1	15	115/1/60	0.48	3/4" MNPT	R513A
CRHA25A1	25	115/1/60	0.51	3/4" MNPT	R513A
CRHA35A1	35	115/1/60	0.64	3/4" MNPT	R513A
CRHA60A1	60	115/1/60	0.61	3/4" FNPT	R513A
CRHA80A1	80	115/1/60	0.77	3/4" FNPT	R513A
CRHA100A1	100	115/1/60	1.16	1" FNPT	R513A

*Rating conditions are 180°F inlet temperature, 125 psig inlet pressure, 100% inlet relative humidity, 100°F ambient temperature.

**Refer to dryer data plate for refrigerant charge.

***To ensure optimal performance, do not operate continuously in conditions below or above max/min specifications.

DIMENSIONS

MODEL	H		W		D		WEIGHT	
	IN	MM	IN	MM	IN	MM	LBS	KG
CRHA15A1	35.6	904.2	14.4	365.8	24.0	609.6	103	46.7
CRHA25A1	35.6	904.2	14.4	365.8	24.0	609.6	103	46.7
CRHA35A1	35.6	904.2	14.4	365.8	24.0	609.6	110	49.9
CRHA60A1	36.6	929.6	17.9	454.7	26.7	678.2	139	63.1
CRHA80A1	36.6	929.6	17.9	454.7	26.7	678.2	141	64.0
CRHA100A1	36.6	929.6	17.9	454.7	26.7	678.2	150	68.0

Champion is committed to
delivering **superior products** built with
the **exceptional standards** you expect.


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