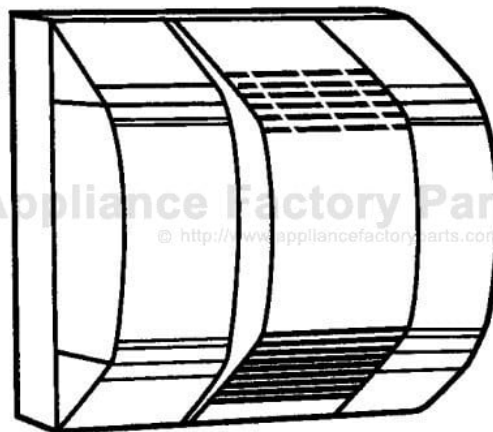


This Owner's Manual is provided and hosted by [Appliance Factory Parts](#).



# INTERNATIONAL COMFORT PRODUCTS - TEMPSTAR HMICLF18A Owner's Manual

[Shop genuine replacement parts for INTERNATIONAL  
COMFORT PRODUCTS - TEMPSTAR HMICLF18A](#)



Appliance Factory Parts  
© <http://www.appliancefactoryparts.com>

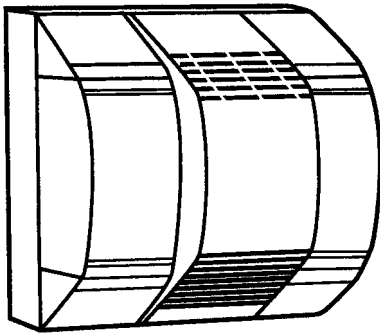
[ur INTERNATIONAL COMFORT PRODUCTS - TEMPSTAR Humidifier Parts - Select From 4](#)

----- Manual continues below -----

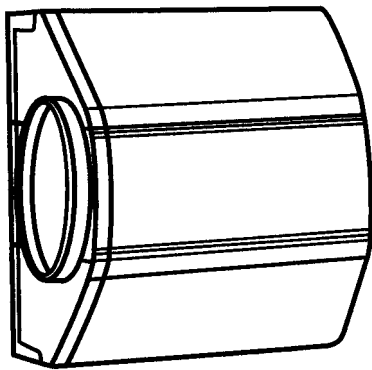
## HMIC Fan Powered & Bypass Humidifiers

Controlling your indoor humidity is very important. In many cases the air inside a home is drier than a desert. Dry, indoor air is often the culprit for such common problems as itchy or cracked skin, eye irritation, dry nasal passages and damaged home furnishings. Dry indoor air can also increase the possibility of catching cold and flu viruses and can reduce the efficiency and effectiveness of your heating system.

All of these problems can be alleviated with the help of a HMIC Series humidifier. HMIC Series offers three humidifier models designed to put moisture back into your indoor environment so you can relax in warm, soothing comfort. Depending on the model that best matches your system, a HMIC humidifier can deliver between 12 and 18 gallons of moisture per day to minimize the problems of excessively dry air. And, because humidified air feels warmer, you'll be comfortable at lower heating temperatures for higher efficiency operation.



HMICLF18A



HMICLB17A  
HMICSB12A

Representative drawing only, some models may vary in appearance.

### FEATURES:

#### EASY ACCESS FOR CLEANING AND MAINTENANCE

- The treated aluminum pad ensures top performance. Front access door allows for quick and convenient removal and replacement of pad.

#### SMOOTH, LOW NOISE OPERATION

- Nearly silent operation is the result of the precision-engineered fan and motor combination. Air is drawn through the evaporator pad quietly and efficiently, turning water into the water vapor that humidifies your home.

#### LONG LASTING, ATTRACTIVE COVER

- The outside casing of the humidifiers are made from durable UV Resistant Plastic.

#### OPTIMUM DISTRIBUTION OF MOISTURE

- Through the combination of the solenoid valve and water distribution system, your home will benefit from the optimum distribution of moisture possible.

#### TWO HUMIDITY CONTROL OPTIONS

- Choose between two separate control options - the Humidity Control™, which is included with the humidifier and the TSTAT0713. Each of these controls provide precise control over the humidity levels in your home.

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS  
• COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED  
HOME AIR CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

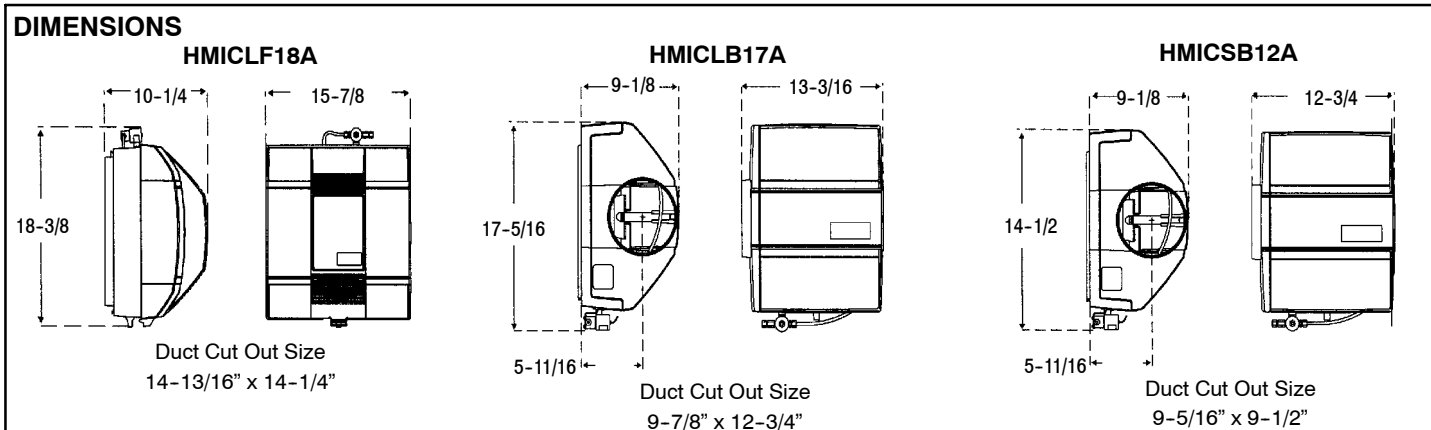
770 21 1101 02

<b>PERFORMANCE DATA</b>			
<b>MODEL NUMBER</b>	<b>HMICLF18A</b>	<b>HMICLB17A</b>	<b>HMICSB12A</b>
<b>Gallons/Day</b>	18	17	12
<b>Airflow</b>	Fan	Bypass	Bypass
<b>Waterflow</b>	Drain Through		
<b>Evaporator Pad Replacement</b>	3242RP	3242RP	1042RP
<b>Size (In) (H x W x D) of Evaporator Pad</b>	13 x 10 x 1-11/16	13 x 10 x 1-11/16	9 7/8 x 9 5/8 x 1-11/16
<b>Pad Access</b>	Quick Release Cover		
<b>Weight</b>	17.1	11.8	10.7
<b>Water Usage (Gal/hr)</b>	6	6	3
<b>Electrical Control</b>			
<b>Low-Voltage Terminals</b>			
<b>Volts / Hz</b>	120V/120Hz	24V/60Hz	24V/60Hz
<b>Amps (Max)</b>	0.7	0.05	0.05
<b>VA (Max)</b>	96	12	12
<b>Watts</b>	82	6	6
<b>High Voltage</b>			
<b>Volts / Phase / Hz</b>	115v-1ph-60Hz	N/A	N/A
<b>Amps</b>	10 amp rating	N/A	N/A
<b>Connections</b>			
<b>Water Inlet</b>	1/4-in.Copper Tubing	1/4-in.Copper Tubing	1/4-in.Copper Tubing
<b>Water Drain</b>	1/2-in. I.D. plastic hose	1/2-in. I.D. plastic hose	1/2-in. I.D. plastic hose
<b>Bypass Opening</b>	N/A	6-in. round elbow or straight	6-in. round elbow or straight
<b>Duct Opening (In) (W x H)</b>	14-7/8 x 14-3/16	9.75 x 12.5	9-3/8 x 9-1/2

<b>STANDARD EQUIPMENT</b>			
<b>MODEL NUMBER</b>	<b>HMICLF18A</b>	<b>HMICLB17A</b>	<b>HMICSB12A</b>
<b>Water Valve</b>	Solenoid, 24 VAC	Solenoid, 24 VAC	Solenoid, 24 VAC
<b>Motor</b>	*Thermal Protected 120VAC	N/A	N/A
<b>Relay (Field Supplied)</b>	SPST 24vac	N/A	N/A
<b>Humidistat</b>	24V	24V	24V
<b>Saddle Valve</b>	Standard	Standard	Standard
<b>Damper</b>	N/A	6-in Round (not provided)	
<b>Template</b>	Installation Sheet Included		

\* 14mHP (0.014H=1/70 HP)

<b>MODEL NUMBER IDENTIFICATION GUIDE</b>			
<b>MODEL NUMBER</b>	<b>HMIC</b>	<b>LF</b>	<b>18</b>
<b>PRODUCT FAMILY</b>			<b>A</b>
HMIC = Humidifier			<b>Series</b>
<b>TYPE</b>			<b>Gallons Per Day (GPD)</b>
LF= Large Fan Powered			18 GPD, 17 = 17 GPD
LB = Large Bypass			12 = 12 GPD
SB = Small Bypass			



**RECOMMENDED RELATIVE HUMIDITY BY OUTDOOR TEMPERATURE**

OUTDOOR TEMP (°F)	OUTDOOR RELATIVE HUMIDITY (%)	INDOOR RELATIVE HUMIDITY (%) W/O HUMIDIFIER*	MAXIMUM RECOMMENDED INDOOR RELATIVE HUMIDITY†
-10	30 to 70	1 to 2	20 (Lo)
0	30 to 70	2 to 4	25
10	30 to 70	3 to 6	30
20	30 to 70	4 to 10	35
30	30 to 70	6 to 15	40 (Med)

\* Indoor relative humidity level when outdoor air is heated to 72°F.

† As stipulated by the Air Conditioning Contractors of America.

**INDOOR RELATIVE HUMIDITY LIMIT FOR NO WINDOW CONDENSATION (Indoor Air at 74°F Dry Bulb)**

OUTDOOR TEMP (°F)	SINGLE PANE WINDOWS (%)	DOUBLE PANE WINDOWS (%)
40	39	59
30	29	50
20	21	43
10	15	36
0	10	30
-10	7	26
-20	5	21
-30	3	17

**MAXIMUM MOISTURE REQUIREMENTS\***

VOLUME OF RESIDENCE (CU FT)	TIGHT HOUSE		AVERAGE HOUSE	
	Pounds Per Hour	Gallons Per Day	Pounds Per Hour	Gallons Per Day
8,000	1.76	5.09	3.52	10.17
10,000	2.21	6.35	4.41	12.72
12,000	2.64	7.63	5.29	15.26
14,000	3.09	8.91	5.92	17.08
16,000	3.53	10.18	7.06	20.35
18,000	3.97	11.45	7.94	22.89
20,000	4.41	12.72	8.82	25.44
22,000	4.85	13.99	9.71	27.98
24,000	5.29	15.27	10.59	30.52
26,000	5.74	16.54	11.47	33.07
28,000	6.18	17.81	12.35	35.61
30,000	6.62	19.08	13.24	38.16

\* Based on design conditions of outdoor 20°F dry bulb, 80% RH; indoor 70°F dry bulb, 40% RH, and minimum moisture production from residential operations for an absolute humidity difference of 0.0049 lb/hr.

NOTE: Tight house is defined as being well insulated, having vapor barriers, tight storm doors and windows with weatherstripping, and having dampered fireplaces. Average house is defined as being insulated, having vapor barriers, loose storm

doors and windows, and having dampered fireplaces.

# Typical Humidifier Installations

