

# ICBNhi-IM 51630

Fully Integrated Appliances

# LIEBHERR

## Refrigeration and Freezing



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ICBNhi-IM 51630	
Energy consumption (kWh/y)	382
Estimated Yearly Energy Cost in US \$	46
Sound rating dB(A)	34
Total capacity cu.ft. (l)	8.7
Refrigerator capacity cu.ft. (l)	3.7
BioFresh compartment cu.ft. (l)	2.5
Freezer capacity cu.ft. (l)	2.5
Electronic control	Touch & swipe display
Defrost type	Automatic
Interior light	LED light column on both sides
Number of shelves	4 / 3 adjustable
Number of door racks	2 + VarioBox
Number of freezer drawers	3
Refrigerator Temperature range °F (°C)	+36°F to +48°F (+2°C to +9°C)
Freezer Temperature range °F (°C)	+5°F to -15°F (-15°C to -26°C)
Internal Water Dispenser	Yes
Ice maker	Fixed water connection
Ice cube output lbs. (kg.)	2.6 (1.2)
Ice cube stock lbs. (kg.)	11 (5)
Door hinges	right, reversible
Door installation	Door on door
<b>Product dimensions</b>	
in inch (H/W/D)	69 11/16   21 5/16   21 1/2
in cm (H/W/D)	177.0/54.1/54.5
<b>Cut out dimensions</b>	
in inch (H/W/D)	69 13/16-70 7/16   22 1/16-22 1/2   21 11/16
in cm (H/W/D)	177,2 - 178,8/56 - 57/55,0
Net weight lbs. (kg)	165.3 (75)
Voltage V/Hz	115/60

\* Energy Cost will depend on utility rates and use. Estimated energy cost based on a national average electricity cost of 12 cents per kWh.

\*\* Noise output – according to EN 60704-3

## Accessories

Door opening limitation (hinge pin)	9096214
FreshAir activated carbon filter	9096989
Water filter	9880980

## Features

### Duo Cooling

Lengthen the shelf life and preserve the flavor of your foods with a dual refrigeration system that creates ideal conditions in both the refrigerator and freezer.

### Power Cooling

The fan – as powerful as it is quiet – distributes the cold air efficiently throughout the entire refrigeration compartment.

### Bio Fresh

Preserve just-bought groceries for optimum food freshness, while sealing in flavors and maintaining essential vitamins and minerals.

### Super Silent

Noise levels are kept to a minimum thanks to virtually silent, speed-controlled, and sound absorbing compressors.

### Light Tower

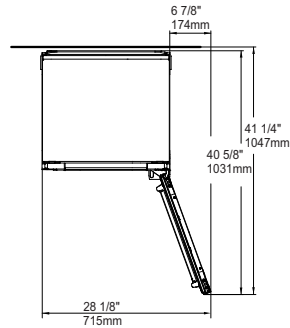
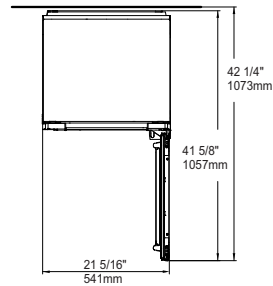
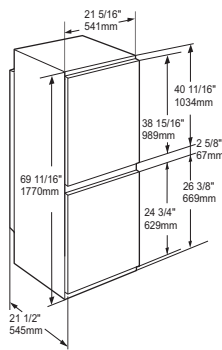
Enjoy an optimally illuminated interior. The LightTower shows off food in its best light and is positioned so that your full refrigerator is illuminated at all times. In addition, the flush mounting of the LightTower in the side walls leaves more space to store your food.

### Infinity Spring

Seamlessly integrated flush-mounted internal water dispenser that's there when you need it, and virtually invisible when you don't.

# Diagrams

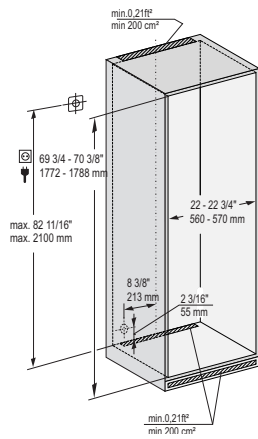
## Product Dimensions



### Important:

Stated product height dimensions consider leveled feet are fully inserted.

## Frameless Dedicated Cabinet Box Dimensions



This is a fully integrated refrigerator-freezer appliance designed to be completely enclosed in a dedicated kitchen cabinet. This dedicated cabinet box must be constructed in accordance with the specified dimensions and must allow for sufficient air circulation to ensure proper operation. For more details about ventilation requirements, please refer to the Design Guide.

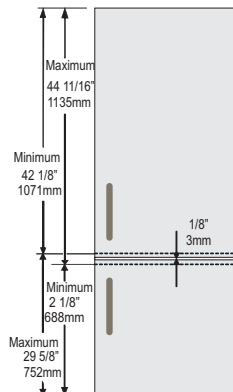
A ventilation grill (included with the appliance) must be installed in the base of the dedicated box, for dimensions of the toe kick ventilation grill, please refer to the Design Guide.

We recommend that the power outlet be located outside the dedicated cabinet box for easy access. Free length of the power cord is 7.2 ft. (2.2m). The toe kick area of the Dedicated Cabinet Box can be recessed like the rest of the kitchen cabinets.

3" of the cabinet needs to be surface finished as it is visible when the door is open.

The appliance water connection and inlet solenoid valve are suitable for a water pressure of up to 1Mpa (10bar). The solenoid valve is 2 1/8"(55mm) at the bottom on the back of the appliances. Water inlet recommended maximum distance is 4 ft (1200mm).

## Door Panel Dimensions



This is a door-on-door model, which means the custom panels are installed on the appliance doors.

Custom panels should be at least 5/8"(16mm) and a maximum of 3/4"(19mm) thick and they should cover the front of the dedicated cabinet box.

For the exact size and design method, please refer to the Design Guide.

Panel and handle max weight is:

Refrigerator door: 39.5 lbs / 18 kg

Freezer door: 26.5 lbs / 12 kg

If using a "shaker style" panel that undershoots the minimum panel thickness, please be aware that you will need to use shorter screws than those supplied in the accessory pack.