

Date 8/11/2023
For the attention of:
Reference
Operator



COMMERCIAL UNIT COOLER:CUBIC

Type: F31HC 316 EC E 7

N. units: 1

Refriger (u) 2023 Ver. 2.3.1.394 - PRICE LIST 1/1/2023

Inlet air temp. (room)	[°C]	-22,0	
Room relative humidity	[%]	85	
Refrigerant		R448A	
Altitude	[m]	0	
Residual static pressure	[Pa]	0	
DT1 needed for unit cooler (Dew)	[K]	8,0	
Connection	230V-1PH-50Hz	EC FANS	
Actual capacity	[W]	2.840	
Air flow	[m3/h]	1.600,0	
Air throw	[m]	17	
Outlet air temperature	[°C]	-25,6	
Evaporating temp (Dew)	[°C]	-30,0	
DT superheating (Dew)	[K]	5,0	
Temp. before expansion valve	[°C]	9,4	
DT1 (Dew)	[K]	8,0	
DTmlg	[K]	6,0	
Fluid pressure drop	[K]	1,4	
RC factor (Sensible capacity/Total capacity)	[%]	91,9	
Energy efficiency class		A	(2014 thresholds)
Fan motor consumpt.	[W]	66	
Power draw	[A]	0,6	
Max fan absorbed current*	[A]	0,6	
Fan speed	[1/min]	1285	(Fixed speed)
Sound pressure level (5 m) 5	[dB(A)@5m]	44	
Sound Power Level	[dB(A)]	69	
Electric defrost (230 V)	[W]	2.785	
N° Fans	[mm]	1 x 315	Weight [kg] 23
Poles	[n]	EC FANS	Connections in [n] x [mm] 1 x 12
Fin spacing	[mm]	7	Connections out [n] x [mm] 1 x 18
Internal volume	[dm3]	2,3	Drain tray connection ["] 3/4
Surface	[m2]	8,9	Overall dimensions [mm] 760 x 450 x 415
Max Working pressure	[bar]	24,0	
Casing material	Powder coated galvanized steel RAL 9003	Fin material	Al
Header material	Cu	Tube material	Cu

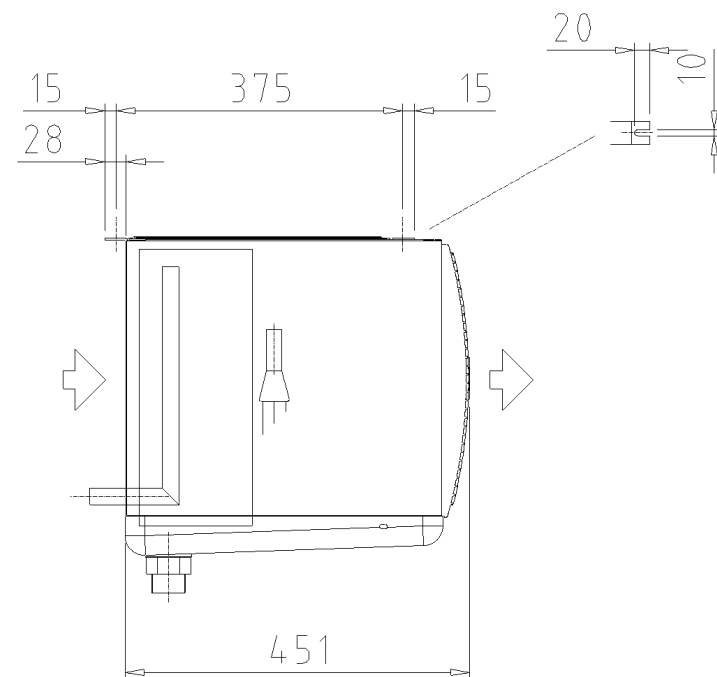
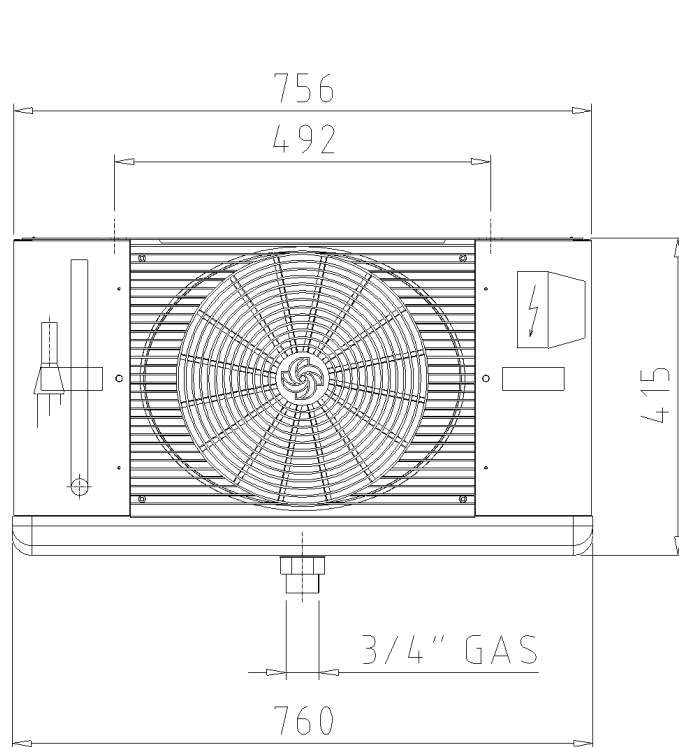
* Refer to LU-VE S.p.A. instruction manuals for details, data and standards. Noise level in 5m free field. The current may increase according to temperature frost quantity, external static pressure. The weight and dimensions are not valid for all possible configurations. All fans are ErP 2015-compliant (Directive 2009/125/EC Energy-related products). LU-VE S.p.A. reserves the right to modify and correct at any time, with or without notice, the specifications and prices listed in the Refriger software.

EUROVENT – CERTIFY ALL! Eurovent certification guarantees thermal performance, sound specifications, electrical power consumption, air volume flows. The certified performances and conditions in this software are in line with performances and conditions published on EUROVENT website.

LU-VE Group participates in the ECP programme for HE. Check ongoing validity of certificate and performance on www.eurovent-certification.com. The EUROVENT certification refers to the unit in standard configuration, additional options may impact on declared reference performance.

Accessories:

Q.ty	Code	Type:	Description
1	31078616	SHRHEA-F31 (140W)	FAN SHROUD HEATER



Standard unit without accessories. For the connections please refer to the data sheet.

Date	4-03-2008	Type: F31HC 316 EC E 7
Scale	1:10	Code: 10165159
