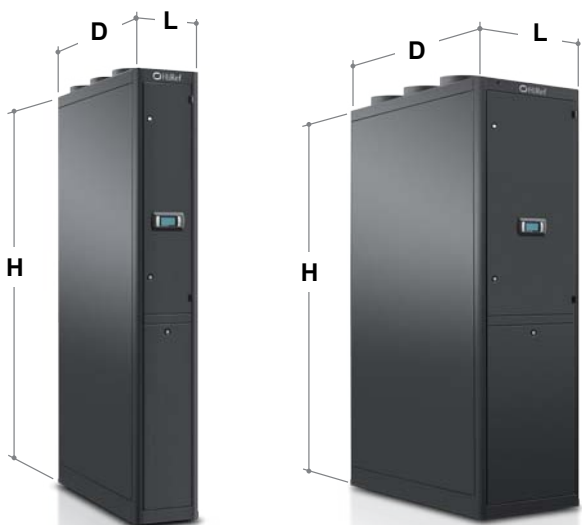


# HRCM

## MONOBLOCK RACK-COOLERS FOR HIGH DENSITY APPLICATIONS



Available also for 60 Hz power supply

		HRCM 0061	HRCM 0101
		Inlet air conditions 30°C - 35% r.h.; Condensing temperature 45°C	
Total cooling capacity	kW	5.8	10.4
SHR	-	1.0	1.0
EER of the refrigerating cycle	-	4.8	5.1
Minimum cooling capacity with hot gas by-pass	kW	2.0	3.5
		Inlet air conditions 35°C - 30% r.h.; Condensing temperature 45°C	
Total cooling capacity	kW	6.5	11.7
SHR	-	1.0	1.0
EER of the refrigerating cycle	-	5.4	5.8
Minimum cooling capacity with hot gas by-pass	kW	0.15	4.0
Evaporator airflow	m³/h	2000	3000
Condenser airflow	m³/h	2500	3000
AESP condensing section	Pa	153	151
Total absorbed power	kW	2.4	4.1
Total absorbed current	A	11.6	19.8
Power supply	V-/Hz	230/1/50	230/1/50
Dimensions (L x H x D)	mm	300 x 2000 x 1200	600 x 2000 x 1200

ITALIAN  
COOLING  
SOLUTIONS



## MONOBLOCK RACK-COOLERS FOR HIGH DENSITY APPLICATIONS

# HRCM



6 - 10 kW



**HIREF S.p.A.**  
Viale Spagna, 31/33  
35020 Tribano (PD) Italy  
Tel. +39 049 9588511  
Fax +39 049 9588522  
e-mail: [info@hiref.it](mailto:info@hiref.it)  
[www.hiref.it](http://www.hiref.it)

HiRef S.p.A. reserves the right to change the specifications and other information contained herein without notice. No part of this publication may be reproduced without the prior written permission of HiRef S.p.A.

© Copyright HiRef S.p.A. 2017



HF65000022 rev.B

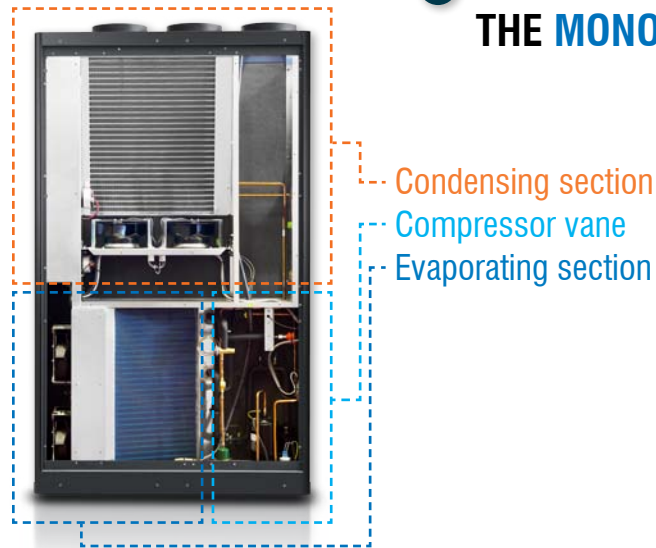




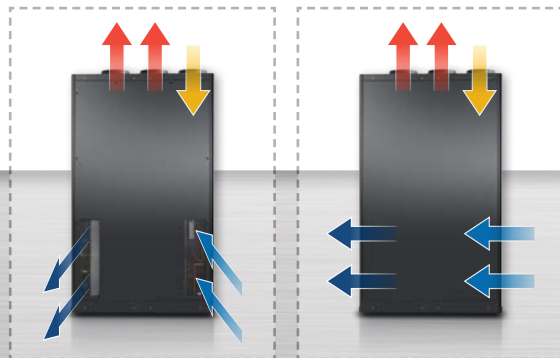
# HRCM

## MONOBLOCK RACK-COOLERS FOR HIGH DENSITY APPLICATIONS

### ● LOW INSTALLATION COSTS THANKS TO THE MONOBLOCK EXECUTION



### ● IN-ROW OR IN-RACK EXECUTIONS AVAILABLE



### ● EC FANS ON BOTH EVAPORATING AND CONDENSING SECTIONS

The fans used are EC brushless on both evaporating and condensing sections. This allows the HRCM to adapt to many different configurations of ducting and to benefit from high efficiency at partial loads.

### ● EVAPORATING COIL WITH HYDROPHILIC TREATMENT

The aluminum fins of the evaporating coil are treated with a hydrophilic coating to ease the collection of condensation water in the drain pan (stainless steel) and prevents recirculation back into the rack through the air flow.



### ● HOT GAS BY-PASS TO PREVENT THE COMPRESSOR FROM STAGING ON/OFF AT LOW LOADS

A hot gas by-pass system reduces oscillation occurring in the compressor at low thermal load conditions.



**HRCM** is the new generation of monoblock rack coolers for high-density heat loads.

The onboard condensing section version allows a significant reduction in installation costs, having no refrigerant lines.

The flanges for the condensing air ducts are located on the top of the unit, thus easing further the installation steps.

### ● EASY INSTALLATION WITH TOP CONDENSING AIR CONNECTIONS

- » R410A refrigerant.
- » On board condensation pump as standard.
- » Power supply 50Hz or 60Hz.
- » Touch screen available on request.
- » Low temperature (-40°C) outdoor air version available on request.

