



## ABOUT THE CHILLER

ICS Cool Energy's Chiller 375 has the latest energy-saving Scroll compressors (4), offering a wide temperature range of -10°C to +20°C water leaving temperature control.

The chiller offers the zero ozone depleting HFC refrigerant R410a and manufactured to the latest environmental ISO14001 controls.

With low noise operation and compact footprint.

## THE ICS COOL ENERGY PORTFOLIO

ICS Cool Energy can also supply the following equipment:

- Air-cooled rental chiller range from 0.3kW – 1,000kW units.
- Water-cooled rental chiller range from 7.5kW – 1,000kW units.
- Air handling units & fan coils from 5kW – 500kW duties.
- Air conditioning units from 1.3kW – 350kW units.
- Low temperature chillers (-40°C) and fan coils (0°C air off).

- Dehumidifiers (desiccant & electric) 200-10,000m<sup>3</sup>/hr.
- Generator Power with 20KVA – 800KVA, fuel tanks and management.
- Air distribution (flexible ducting and perforated air socks).
- Hot water generators and boilers from 25kW – 500kW units.
- Heating (office/warehouse) from 3kW to 200kW electric/indirect/heat pump.

We also provide full installation, transportation, lifting and monitoring.

## CONTACTEER ONS

Bel ons op  
+31 (0)88 - 258 2580 (NL)  
+32 (0)800 - 29110 (BE)

of  
bezoek onze website  
[www.icscoolenergy.nl](http://www.icscoolenergy.nl)

[info@icscoolenergy.nl](mailto:info@icscoolenergy.nl)

## TECHNICAL CHILLER 375

### PERFORMANCE DATA @ DESIGN CONDITIONS

Capacity	kW	385
Fluid Supply Temperature	°C	7
Fluid Return Temperature	°C	12
Fluid		water
Ambient Air Temperature	°C	30
Flow Rate	m <sup>3</sup> /hr	66
Evaporator Pressure drop	Bar	0.297
SEPR HT		5.29
SEPR MT		3.62
SEER		4.23
EER	kW/kW	3

### OPERATING LIMITS

Min Ambient Temperature	°C	-10°C
Max Ambient Temperature	°C	+47°C
Min Leaving Fluid Temperature	°C	-10°C
Max Leaving Fluid Temperature	°C	+20°C
Min Flow Rate	m <sup>3</sup> /hr	45.6
Max Flow Rate	m <sup>3</sup> /hr	116

### ELECTRICAL DATA

Electrical Supply	V/PH/Hz	400/3/50
Max Power Absorbed	kW	178
Max Current (without additional supplies)	A	286
Starting Current (without additional supplies)	A	619
Isolator	A	400
Connection 3 Phase supply		3 x 10mm hole
Connection Earth		1 x 8 mm hole
High/Low Pressure Pump	A	32 amp 5 pin socket
Max Current (with additional supply)	A	318
Starting Current (with additional supply)	A	651

### CONTROLLER

Type		Dixell / xDRIVE (IPC415D)
Remote On/Off		Terminals for remote volt free on/off switched contact
General Alarm		NO/NC Volt Free Relay Contact

### REFRIGERANT SYSTEM

Compressor Type		Danfoss DSH Scroll
Compressor Qty		4
Circuits		2
0	%	25-50-75-100
Refrigerant Type		R410A
GWP		2088
Refrigerant Charge Circuit 1	kg	25.5
Refrigerant Charge Circuit 2	kg	25.5

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## PERFORMANCE CHILLER 375

### FANS

Total Number		6
Max. input power (per fan)	kW	1.65
Total condenser air flow	m <sup>3</sup> /hr	109,800

### HYDRAULIC CIRCUIT

Connector Size		4 inch
Connection Type		PN16 Flange
Evaporator Volume	Litres	136

## SOUND LEVELS

Measurements are taken in accordance with the standard ISO 3744.

Sound pressure average value obtained in free field on a reflective surface at a distance of 10m from the longer side of the machine at a height of 1.6m +/- 2 under full load in normal conditions.

For measurements closer than 10m add the following: 5m +6, 3m +10 and 1m +15

### SOUND DATA

Sound Power Level	db(A)	96
Sound Pressure Level @ 10m	db(A)	68

### OCTAVE BANDS (Hz)

63	125	250	500	1000	2000	4000	8000
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### SOUND POWER LEVEL dB(A)

57	72	75	90	92	90	88	76
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Additional Services: Cool Energy can provide attenuated equipment and services to help further reduce the impact of our equipment to help meet your specific site requirements.

### PHYSICAL DATA

		with frame	without frame
Length	mm	3,465	3,465
Width	mm	2,191	2,191
Height	mm	2,423	2,573
Transport Weight	kg	2,739	2,921
Operating Weight	kg	2,875	2,996

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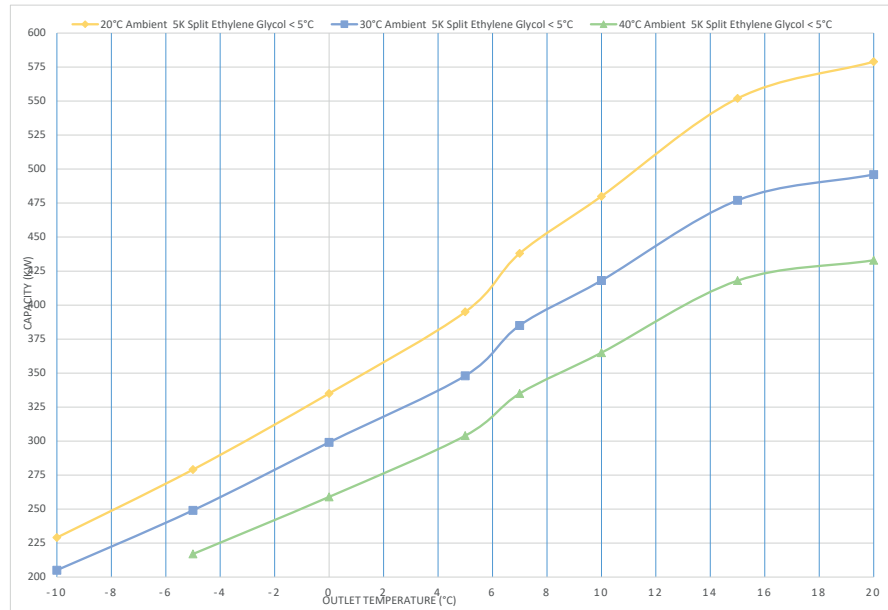
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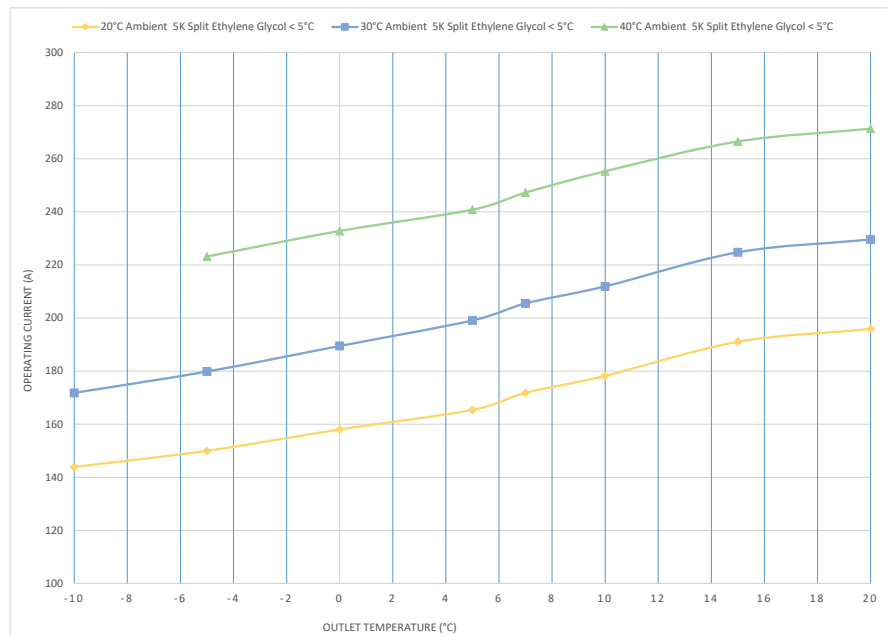


## PERFORMANCE CHILLER 375

### COOLING PERFORMANCE



### OPERATING CURRENT



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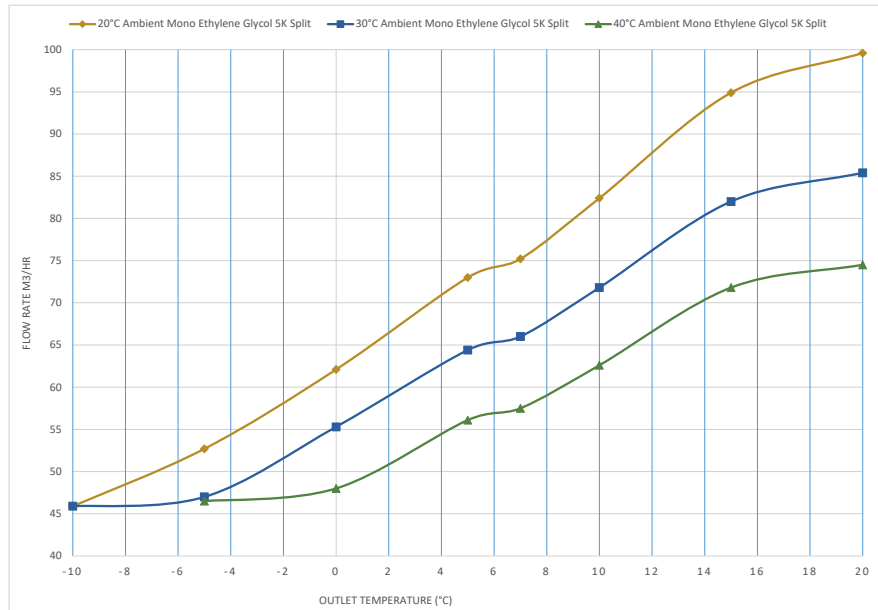
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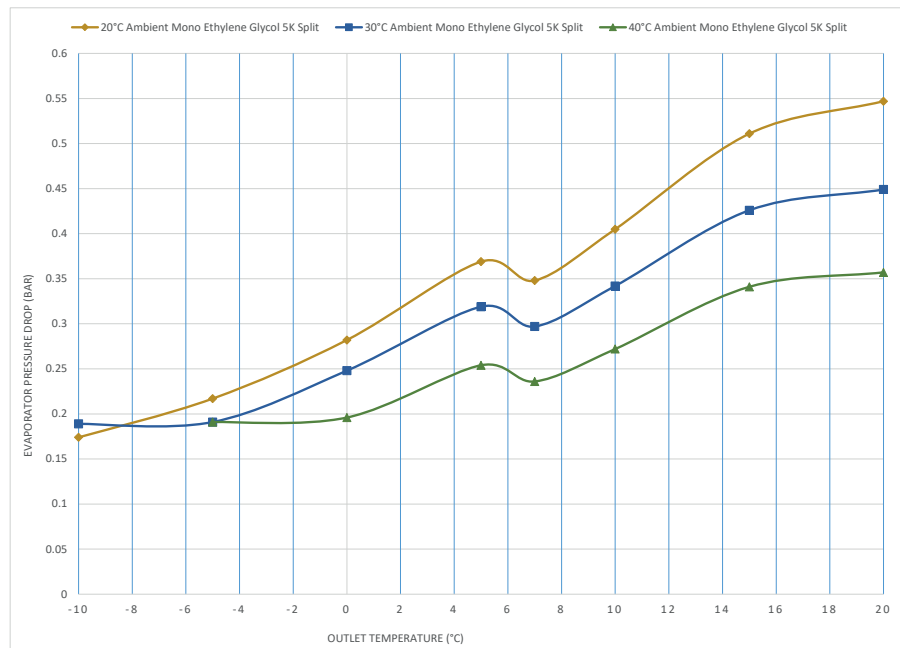
E&OE. All data is subject to change and continuous improvement without notice. Equipment designed to ISO 9001 and all relevant electrical, pressure and mechanical directives.

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**EVAPORATOR FLOW RATE**



**EVAPORATOR PRESSURE DROP**



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