

# Hyperfree

## Drycoolers



Hyperfree is the ideal solution where water is required at temperatures above the ambient.

All models are easy to install with low running and maintenance costs, designed for outdoor installation, with IP54 grade protection and epoxy coated galvanized aluminium frames. The new generation of Parker Hiross dry coolers is a competitive product Line of robust construction, offering excellent performance and an outstanding integration with other components. Highly-efficient fan motors combine excellent sound characteristics and low energy consumption.



### Process cooling applications:

- Extruders
- Welding Engineering
- Plastics Processing
- Injection Moulding
- Surface Processing
- Blow Moulding Machines
- Thermoform Machines
- Cutting Machine Tools
- Food & Beverage Industry
- Coating Systems
- Chemical and Pharmaceutical
- Electroplating Baths

### Product Features:

- Modular design
- Easy to upgrade after installation
- Low maintenance costs
- Efficient and long life components
- Good heat transfer
- Space saving design
- High ratio performance-cost
- Strong construction
- Solid aspect
- Superior quality finishing
- Reinforced feet support
- No water consumption
- No corrosion phenomena
- No Legionella
- High flexibility according to working conditions
- Power absorption proportional to effective necessities
- Low operating costs/Low employed power
- No pollution, no fouling
- Plug & play solutions

Innovative Parker Hiross dry coolers combine an excellent heat transfer with minimized cooler dimensions, thanks to the fin corrugation developed, combined with advanced cross-fin tubes. For double fan row units, double connections provide the possibility of two completely independently operating heat exchangers.



**Versions:**

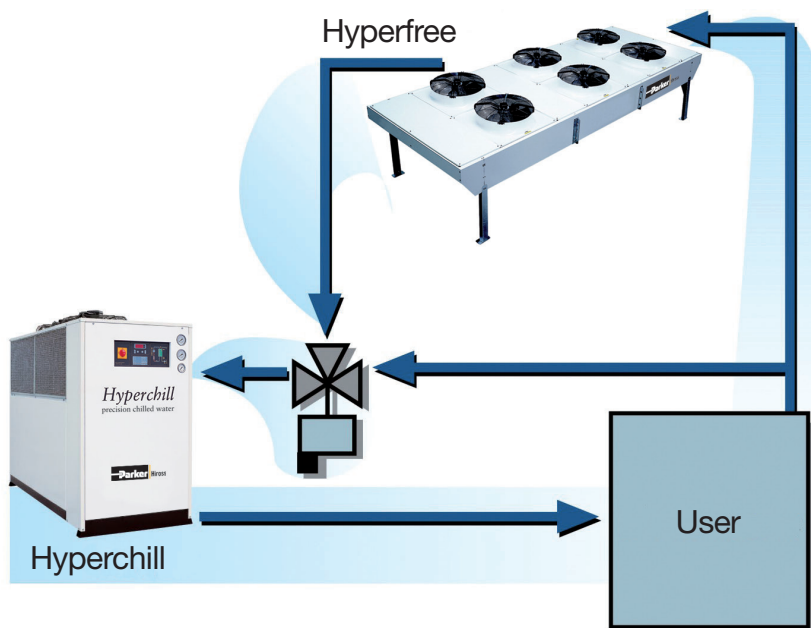
- horizontally mounted coil configuration
- vertically mounted coil configuration
- compact “V” configuration
- different noise levels available on request



**Options:**

- Support feet, for horizontal installation
- Junction box for common power connection
- Control panel and cabling
- Control panel with fan step control
- Control panel with stepless control (fan speed regulation)
- Vibration dampers
- Spray water system
- Coil treatments for aggressive environment

# Freecooling



When used in combination with Hyperchill water chillers, Hyperfree drycoolers guarantee an effective and extremely efficient solution.

A freecooling system makes it possible to switch from Hyperfree in the colder periods to Hyperchill in the warmer periods, resulting in significant energy savings and guaranteeing fresh water supply at the required temperature in any condition, optimising the running costs.

# Technical data

Model	Cooling Capacity*	Water Flow	Water pressure drops	Fans n° x D	Air flow	Max abs. power (1 fan)	Noise level	Conn. IN/OUT	Dimensions	Weight
	kW	m³/h	kPa	n° x mm	m³/h	kW	db (A)	in	(A x B x C x D)	kg
HDC040	36,8	6,4	35	2x500	15203	0,7	47	1"	830x850x2042x480	84
HDC060	56,0	9,8	57	3x500	22802	0,7	49	1"1/4	830x850x2942x480	123
HDC080	75,5	13,1	52	3x500	20232	0,7	49	1"1/2	830x850x2942x480	151
HDC110	101,0	17,5	61	4x500	27000	0,7	50	2"	830x850x3842x480	216
HDC 140	137,6	23,7	17,3	2x630	33848	2,6	59	2"	1255x1225x3260x900	381
HDC 165	164,1	28,2	44,5	3x630	53118	2,6	61	2"	1255x1225x4655x900	463
HDC 190	192,1	33	39,7	3x630	51951	2,6	61	2"	1255x1225x4655x900	505
HDC 210	206,9	35,6	30,4	3x630	50709	2,6	61	2"1/2	1255x1225x4655x900	550
HDC 250	247,4	42,5	44,4	2x1000	60529	3,6	58	2"1/2	1494x1295x4655x900	643
HDC 345	344,5	59,2	8,3	3x1000	93167	3,6	60	3"	1494x1295x6755x900	795
HDC 440	438,1	75,3	48,7	4x1000	112224	3,6	60	2x3"	2290x1295x4655x900	967
HDC 510	506,6	87,1	72,8	4x1000	183482	3,6	62	2x4"	2290x1295x6755x900	1160
HDC 580	579,7	99,7	9,7	6x1000	175746	3,6	62	2x4"	2290x1295x6755x900	1282
HDC 660	655,1	112,7	71,2	6x1000	168088	3,6	62	2x4"	2290x1295x6755x900	1416
HDC 710	714,4	122,9	18,6	8x1000	244541	3,6	63	2x4"	2290x1295x8855x900	1561
HDCV 490	486,1	83,6	30,5	6x800	123000	2	58	2 x DN80	2230x2210x4260	1360
HDCV 540	535,5	92,1	34,2	6x1000	185200	3,6	64	2 x DN80	2230x2210x4260	1393
HDCV 620	622,6	107,1	34	6x1000	178100	3,6	64	2 x DN80	2230x2210x4260	1513
HDCV 720	715,1	123,3	42	8x1000	247000	3,6	65	2 x DN80	2230x2210x5570	1749
HDCV 820	823,2	141,6	32	8x1000	237700	3,6	65	2 x DN80	2230x2210x5570	1923

\* At water inlet/outlet temperature=40 °C/35 °C, ambient temperature 25 °C, glycol 0 %.

