Hyperchill MAXI

High Performance Air Cooled Chiller

Hyperchill MAXI process chillers are designed to work in large industrial applications. Compact in footprint, reliable and very efficient, with low noise levels. The choice of high quality components, accurate construction, and strict testing procedures, guarantee the best reliability and no downtimes to industrial users. Easy installation and simplified maintenance, with low energy consumption are the main features that make Hyperchill MAXI suitable for many industrial applications.

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:

Complete solution, easy to install and manage

- Advanced electronic boards with proprietary software, various programmable options, easy interface and remote control
- Flanged water connections for quick installation
- Protection grills
- Full access design for ease of maintenance

High reliability and redundancy guarantee no downtimes

- Double independent fridge circuits
  2 screw compressors with:
  - oil filters and level control,
  - crankcase heaters and liquid injection
  - shut-off valves
- Maximum working ambient temperature up to 45 °C
- Shell&tube evaporators with antifreeze protection and flow control
- Reverse phase protection

Lowest energy consumption in the market

- Oversized condensers and evaporators
- High efficiency screw compressors
- Electronic expansion valves and fans speed regulation with phase control

Parker Hiross

ENGINEERING YOUR SUCCESS.

- Air cooled with axial fans and step control, suitable for outdoor installation.
- R407C optimized shell&tube heat exchangers, with two independent fridge circuits, completely insulated, featuring anti-freeze and water flow protection.
- Flanged water connections.
- Semi-hermetic screw compressors with 4 capacity steps, equipped with high efficiency oil filter and level control. Fitted as std. with shut off valves and vibration-damping mounts.
- Std. options: part winding soft start, crankcase heaters and liquid injection for oil cooling.
- Microprocessors allow complete control of the unit parameters, with wide range of programming options and remote monitoring available.
- Water and refrigerant manometers permit easy control of the working parameters.

Options:

- **Single and double pumps** with different available head pressures.
- **Remote control kit** for complete remote unit management.
- **Connectivity** option for continuous monitoring and management via wireless connection.

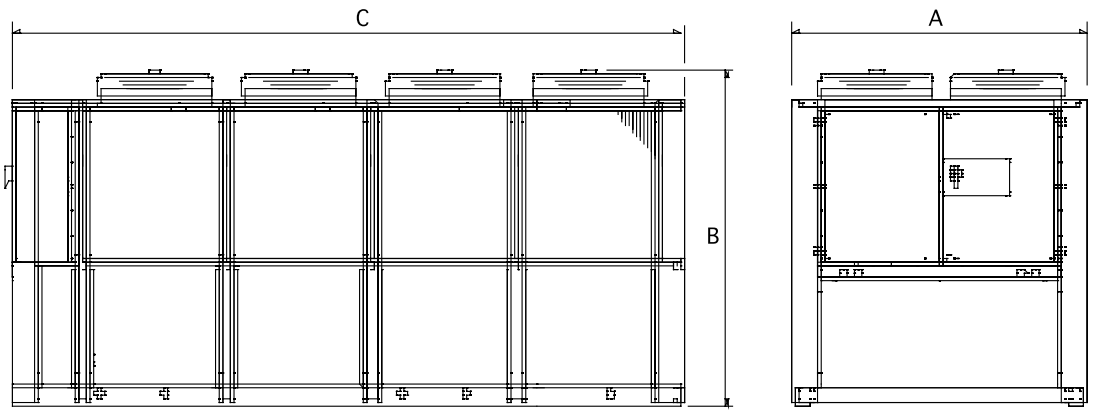
Benefits:

- Increases productivity and reduces production costs
- Optimizes industrial applications
- Adaptable to industrial customer needs
- Accepts wide range of water temperatures and fluctuating water flows

Technical data

Model ICE		460	550	650	760
Cooling capacity[1]	kW	457,9	544,8	650,7	757,5
Compressor abs. Power[1]	kW	98,5	110,3	139,8	157,8
C.O.P.[1]		4,6	4,9	4,7	4,8
Water flow[1]	m^3/h	78,8	93,7	111,9	130,3
Water pressure drops[1]	kPa	33,8	44,8	42,2	56,3
Cooling capacity[2]	kW	323,2	382,9	463,4	539,4
Compressor abs. Power[2]	kW	100,1	110,8	141,5	163,4
C.O.P.[2]		3,2	3,5	3,3	3,3
Water flow[2]	m^3/h	56,9	67,6	81	93,7
Water pressure drops[2]	kPa	18,5	24,1	23,3	30,6
Power supply	V/ph/Hz	400/3/50 no neutral			
Protection inex		54			
Refrigerant		R407C			
Compressors					
Type		semiermetic screw			
Compressors/circuits		2/2			
Max abs. power (1 comp.)	kW	71	81,3	98,1	118,1
Axial fans					
Quantity	n°	6	8	8	10
Max abs. Power - 1 fan	kW	2,1	2,1	2,1	2,1
Total air flow	m^3/h	109.000	144.000	144.000	195.000
Dimensions and weight					
Width	mm	2.255	2.255	2.255	2.255
Depth	mm	4.000	5.100	5.100	6.200
Height	mm	2.400	2.400	2.400	2.400
Connections in/out	in	4	4	6	6
Weight	kg	3.240	3.850	4.000	4.800
Noise level					
Sound pressure (axial)[3]	dB(A)	73	74	74	75

1) at water inlet/outlet temperature = 20/15°C, glycol 0%, ambient temperature 25°C.
2) at water inlet/outlet temperature= 12/7°C, glycol 0%, ambient temperature 35°C.
3) measured in free field conditions at a distance of 10m from unit, on condenser side, 1m from ground.



Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budapest
Tel: +36 23 885 475
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000-99

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

BULMAXI-01-EN

EMEA Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre
Toll-free number: 1-800-27 27 537

www.parker.com/hzd