

# ProChill<sup>+</sup>

Air Cooled Industrial Chiller

Nominal Cooling Capacity - 18 Kw to 91 Kw

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**Cool with Confidence: 3 Years  
Guaranteed**

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## Engineered for Unparalleled Performance and Reliability

*The ProChill+ Series is the culmination of meticulous design and rigorous testing, resulting in a process chiller that delivers trouble-free operation and exceptional performance. Every component has been carefully selected and thoroughly tested to ensure seamless integration and optimal functionality.*

From the compressor to the pump, and from the heat exchanger to the control system, each element has been engineered to work in harmony, providing a cooling solution that is both efficient and reliable. Our commitment to quality and attention to detail is reflected in every aspect of the ProChill+ Series, giving you confidence in its ability to meet your demanding process requirements.



### Unmatched Confidence : 3 - Year Warranty



We stand behind the quality and reliability of our ProChill+ Series chillers, which is why we're proud to offer a comprehensive 3-year warranty. This industry-leading warranty provides you with:

- ✓ **Peace of mind knowing your investment is protected**
- ✓ **Unparalleled support and service from our expert team**
- ✓ **Coverage for parts and labor, minimizing downtime and costs**

Our commitment to excellence and customer satisfaction is reflected in every aspect of our chillers, from design to delivery. With our 3-year warranty, you can trust that you're getting a reliable cooling solution that will keep your business running smoothly.

### Advance Compressor Capacity Control with VFD



Our ProChill+ Series chillers feature a sturdy compressor with advanced capacity control, powered by a Variable Frequency Drive (VFD). This innovative technology provides:

- ✓ **Precise control over compressor capacity, ensuring optimal performance and efficiency**
- ✓ **Reduced energy consumption and operating costs**
- ✓ **Soft-start and soft-stop capabilities, minimizing wear and tear on the compressor**
- ✓ **Enhanced reliability and extended compressor lifespan**

With our advanced compressor capacity control and VFD, you can trust that your ProChill+ Series chiller will deliver uncompromising performance, efficiency, and reliability.

## Remote Monitoring: Unparalleled Visibility and Control



Our ProChill+ Series chillers come equipped with advanced remote monitoring capabilities, providing you with real-time insights into your cooling system's performance. This cutting-edge technology enables you to:

- ✓ **Monitor temperature, pressure, and flow rates remotely**
- ✓ **Receive instant alerts and notifications for any issues or anomalies**
- ✓ **Access detailed performance data and analytics**
- ✓ **Troubleshoot and diagnose problems from anywhere**

Our remote monitoring facility ensures optimal performance, reduces downtime, and helps you stay ahead of potential issues. With our expertise and your peace of mind, you can focus on what matters most – your business.

## R410a Refrigerant : Environmentally Freindly

Our ProChill+ Series chillers utilize the environmentally friendly R410a refrigerant, a non-ozone-depleting and highly efficient cooling solution. This refrigerant offers numerous benefits, including:

- ✓ **Zero Ozone Depletion Potential (ODP)**
- ✓ **Low Global Warming Potential (GWP)**
- ✓ **High cooling capacity and efficiency**
- ✓ **Reduced energy consumption and operating costs**



## Advance Control Panel : Intutive and Informative



Our ProChill+ Series chillers feature a specially designed Touch Screen Controller, engineered to provide unparalleled control and monitoring capabilities. This advanced controller offers:

- ✓ **Intuitive Interface**
- ✓ **Real-Time Data Visualization**
- ✓ **Customized for ProChill+**
- ✓ **Easy-to-use menus**

## Safety Protection of Your Chiller

Our ProChill+ Series chillers are equipped with a range of safety devices to ensure reliable and safe operation. We've implemented multiple layers of protection to safeguard the chiller and its components, including:

- ✓ **High and Low Ref Pressure Transducer**
- ✓ **Antifreeze Protection**
- ✓ **Digital Flow Meters**
- ✓ **Over Current Protection**
- ✓ **Phase Monitoring System**
- ✓ **Flow Switch**



## ProChill+ Chiller With Single Compressor Configuration

ProChill Plus		PCi 50	PCi 65	PCi 75	PCi 85	PCi 100	PCi 130	PCi 175	PCi 200	PCi 260
Nominal Cooling Capacity*	Kw	18.1	22.65	26.92	30.8	35.5	45.3	61.8	71.1	91.8
Total Absorbed Power*	Kw									
Power Supply	V / Ph / Hz	410 ± 10% / 3 - PE / 50								
Refrigerant		R410a								
Refrigeration Circuit	°N	1	1	1	1	1	1	1	2	1
Compressor Type		Scroll								
No of Compressor	°N	1	1	1	1	1	1	1	2	1
Condenser		"V"Shape Aircooled Condenser With Hydrafilic Fins								
Evaporator		Stainless Steel , Brazed Plate Heat Exchanger								
Process Pump		Monobloc Centrifugal								
Process Pump MOC		Stainless Steel								
Storage Tank Capacity	Ltr	130	145	170	170	185	185	210	210	265
Storage Tank MOC		Stainless Steel - AISI 304								
Water Flow Rate @ 3 Bar	Lpm	53	65	78	89	102	131	175	205	265

## ProChill+ Chiller With Multiple Compressor and Refrigeration Circuit Configuration

ProChill Plus		PCi 100 <sup>+</sup>	PCi 150 <sup>+</sup>	PCi 200 <sup>+</sup>	PCi 220 <sup>+</sup>	PCi 260 <sup>+</sup>	PCi 350 <sup>+</sup>	PCi 520 <sup>+</sup>	PCi 700 <sup>+</sup>	PCi 1003 <sup>+</sup>
Nominal Cooling Capacity Δ	Kw	36.2	53.8	71.1	78.4	90.3	123.2	183.4	241.5	362.25
Total Absorbed Power	Kw									
Power Supply	V / Ph / Hz	410 ± 10% / 3 - PE / 50								
Refrigerant		R410a								
Refrigeration Circuit	°N	2	2	2	2	2	2	2	2	3
Compressor Type		Scroll								
No of Compressor	°N	2	2	2	2	2	2	2	2	3
Condenser										
Evaporator		Brazed Plate Heat Exchanger						Shell and Tube		
Process Pump		Monobloc Centrifugal						Pumping Station		
Process Pump MOC		Stainless Steel						Stainless Steel		
Storage Tank	Ltr	185	185	210	210	250	250	Pump Tank Station		
Storage Tank MOC		Stainless Steel - AISI 304								
Water Flow Rate @ 3 Bar	Lpm	105	155	205	226	260	355	529	696	1044

*“Customer satisfaction is  
important to us”*



**[www.matrixcoolingsystem.in](http://www.matrixcoolingsystem.in)**

*Contact Us :*

*Phone : 9512267277 , 9825867277*

*Email: [sales@matrixcoolingsystem.in](mailto:sales@matrixcoolingsystem.in)*