

Process Chillers



Intelligent cooling for process applications.

Blue Star Process Chillers incorporate microprocessor based controls which offer intelligent cooling for many applications. We offer Process Chillers for medical, pharmaceutical industries and varied industrial applications like plastic mould cooling, printing and lamination processes. These chillers are energy efficient and extremely compact with a small footprint.



Range: 8, 11, 18, 26, 35, 45, 52 & 77 kW



Microprocessor controller with computer and remote connectivity



Energy efficient scroll compressors and plate heat exchangers



Anti-corrosive fins



Extremely compact plug-in design for high ambient applications



Low noise



Stainless steel hydraulic circuit with buffer and expansion tank



Food grade quality option available

Technical Specifications

Models		Units	LCPA 8	LCPA 10.5	LCPA 17.5	LCPA 24	LCPA 35	LCPA 45	LCPA 52	LCPA 77
Nominal Cooling Capacity		kW	8	11	18	26	35	45	52	77
Dimensions	Length	mm	1240	1240	1240	1410	1775	1775	1775	2286
	Width	mm	450	450	450	755	933	933	933	1380
	Height	mm	1370	1370	1370	1275	1505	1505	1505	1986
Compressor			Recip.	Recip.	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Power Supply		V/Ph/Hz	400/3/50							
Fan Motor		kW	150	110	125	200	250	370	370	1200
		RPM	900	900	900	910	910	910	910	700
		No.	1	2	2	2	2	2	2	2
Fan	Diameter	mm	550	550	550	559	610	610	610	914
Air Flow		CFM	1600	3000	3200	7000	9000	10000	10000	24000
Cooler			Plate Heat Exchanger							
Water Flow Rate	Minimum	CMH	0.9	1.3	2.2	3.4	4.5	5.8	6.8	10.0
	Maximum	CMH	1.3	2.0	3.4	5.1	6.8	8.7	10.2	15.0
Chiller Water Pump			Multistage Centrifugal							
Water Connections	Outlet	inches	1	1	1	1 1/4	1 1/2	1 1/2	1 1/2	2
	Inlet	inches	1	1	1	1 1/4	1 1/2	1 1/2	1 1/2	2

* Specifications subject to change due to continuous product development.

