

Castle Chillers

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In modern manufacturing process, precise temperature control and a well balanced cooling system is now the answer to increasing productivity and lower production cost. For example: cooling time accounts for 80% or more of total plastics injection molding cycle time, the ability of chilled water to remove heat is one of the most important factors in the productivity and profitability of many plastic processing plants.

Excellent cooling capacity and durability - The top quality hermetic reciprocating compressor together with unique batch processing and best material enable a remarkable cooling capacity and outstanding durability. Minimum water temperature can be set to 3°C.

Precision temperature control - Water temperature can be precisely maintained within 3°C - 50°C.

Easy operation - Push button to start automatic operation.

Compact design - Compact styling requires little installation space. All chillers equipped with casters for ease of moving units.

Electrical control - All electrical components and switches are housed in one box panel as an integral part of the unit for easy control and maintenance.

Capacity regulator - Larger units are equipped with this feature to match compressor capacity to plant load to achieve the most economic operation.

Safety device - HP/LP pressure switch, low water level warning, water shortage warning, current overload indication and auto-cut ensure a safe operation.

Low energy consumption - High efficiency compressor with suitable



Water Cooled



Air Cooled

	Specs	Water Cooled				Air Cooled				
		W-05N	W-10N	W-15N	W-20N	A-03N	A-05N	A-10N	A-15N	A-20N
Cooling Capacity	KCAL/h	12900	25800	38700	51600	7740	12900	25800	38700	51600
	BTU/h	50650	101300	154000	202600	30186	50650	101300	152000	202600
Chiller	Power KW	3.7	7.5	11	15	2.2	3.7	7.5	11	15
	Power A	7	16	18	22	11	7	16	17	33
Compressor	KW	3	7	11	15	2.2	3.7	7	10	13
	HP	5	10	15	20	3	5	11	15	22
	V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V
Pump Flow Rate	L/min	90	180	270	400	60	100	250	270	270
Pump Power	KW	0.75	1.5	2.2	3	0.4	0.75	1.5	2.2	2.2
Water Tank	L	110	180	270	270	60	90	180	270	270
Inlet Pipe Diameter	Inch	1	1.5	2	2.5					
Outlet Pipe Diameter	Inch	1	1.5	2	2.5					
Condenser Flow Rate	L/min	110	210	350	350					
Fan Power	KW					.2	.25	.25x2	.55x2	1.1x2
Unit Height	Mm	980	1150	1400	1700	750	1100	1120	2100	2100
Unit Width	Mm	670	710	820	950	680	680	790	1000	1320
Length	Mm	840	1550	1660	1800	900	1100	1450	2200	2200
Weight	Kg	160	300	460	600	100	160	300	700	750
Mold Lock Capacity	T	-300	-600	-850	-1650	-50	-300	-600	-850	-1650