

Castle Chillers

PETER KING TRADING
 21 Beach Avenue Mordialloc Vic3195
 Phone: 03-9587 4874 Fax 03-9587 4709
www.peterkingtrading.com.au

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-08N	W-10N	W-15N	W-20N	W-30N	A-02N	A-05N	A-08N	A-10N	A-15N	A-20N	A-30A
Cooling Capacity	KCAL/h	12900	13500	25800	38700	51600	77900	4670	12900	13500	25800	38700	51600	77400
	BTU/h	50650	52000	101300	154000	202600	304000	18526	50650	52000	101300	152000	202600	304000
Chiller	Power KW	3.7	3.5	7.5	11	15	22.5	2.1	3.7	3	7.5	11	15	22.5
	Power A	7	7	16	18	22	32	11	7	7	16	17	33	47
Compressor	KW	3	3	7	11	15	20	1.5	3	3	7	10	13	15
	HP	5	4	11	15	20	30	2	5	5	11	15	22	30
	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	3 Phase 415V	3 Phase 415V	3 Phase 415V	3 Phase 415V
Pump Flow Rate	L/min	90	95	180	270	400		60	90	95	180	270	360	
Pump Power	KW	0.75	0.75	1.5	2.2	3		0.4	0.75	0.75	1.5	2.2	2.2	
Water Tank	L	90	68	180	270	270		28	90	100	180	270	270	
Inlet Pipe Diameter	Inch	1	1	1.5	2	2.5								
Outlet Pipe Diameter	Inch	1	1	1.5	2	2.5								
Condenser Flow Rate	L/min	45	60	90	120	200								
Fan Power	KW							2	.25	.4	.30x2	.50x2	1.1x2	.
Unit Height	Mm	980	1060	1150	1400	1700	1330	1305	1100	1485	1120	2100	2100	1740
Unit Width	Mm	670	550	710	820	950	1000	570	580	620	790	1000	1320	1045
Length	Mm	840	850	1550	1660	1800	2200	850	1100	1000	1450	2200	2200	1950
Weight	Kg	160	140	300	400	800	900	140	150	160	300	700	750	1400
Mold Lock Capacity	T	-300	-450	-600	-850	-1650	-2200	-50	-300	-450	-600	-850	-1650	-2200