

# Castle Chillers

**PETER KING TRADING**  
**21 Beach Avenue Mordialloc**  
**Vic 3195**  
**Phone: 03-9587 4874 Fax 03-9587 4709**  
[www.peterkingtrading.com.au](http://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.

**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-24N	A-05N	A-08N	A-10N	A-15N	A-20N	A-24N	A-30N
Cooling Capacity	KCAL/h	11000	13500	21000	27000	45000	54000	11000	13500	21000	27000	45000	49800	57700
	BTU/h	43000	53000	82500	106000	176000	212000	43000	53000	82500	106000	176000	195500	226500
Chiller	Power KW	3	3.75	6	8.5	12	18	3.25	4.1	6.5	10	13.8	15.6	19.8
	Power A	7.2	9	14	21	29	43	8	9.8	15.5	24	33	37	47
Compressor	KW	2.6	3	4.5	6.4	9	15	2.6	3	4.6	6.4	9	11.2	15
	HP	3.5	4	6	8.5	12	20	3.5	4	6	8.5	12	15	20
	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
Tons of Ice	Ton/Hr	3.6	4.4	6.9	8.8	14.6	17.6	3.6	4.4	6.9	8.8	14.6	16.9	18.8
Pump Flow Rate	L/min	90	95	260	400	500	500	95	95	260	400	500	500	500
Pump Power	KW	0.4	0.75	1.5	2.2	3	3	0.75	0.75	1.5	2.2	3	3	3
Water Tank	L	30	50	140	180	180	300	70	80	150	300	330	330	330
Inlet Pipe Diameter	Inch	0.75	0.75	2	2.5	2.5	2.5							
Outlet Pipe Diameter	Inch	0.75	0.75	2	2.5	2.5	2.5							
Condenser Flow Rate	L/min	60	70	100	140	200	340							
Fan Power	KW							.25	.32	.28x2	.82x2	.93x2	.68x2	.93x2
Unit Height	Mm	900	1060	1525	1525	1525	1735	1310	1310	1740	1800	1840	1840	1950
Unit Width	Mm	570	570	680	680	680	1815	720	720	820	870	1045	1045	1150
Length	Mm	735	880	1285	1285	1285	800	1000	1000	1540	1760	1960	1960	2050
Weight	Kg	120	140	340	365	400	760	150	160	560	600	700	1100	1700
Mold Lock Capacity	T	-300	-450	-600	-850	-1650	-2200	-250	-450	-600	-850	-1650	-2200	-3000

Note: One Kcal = 3.927 BTU's One KW = 3411 BTU's