

Air Cooled Water Chiller

With Reciprocating
Semi-Hermetic Compressor
(15 - 240) T.R.

DASC SERIES



Developed Refrigeration & Air Conditioning
Industries Equipment Co. [DRIC]



AIR COOLED WATER CHILLER WITH SEMI-HERMETIC COMPRESSORS

Model :		DASC	15	20	25	30	35	40	50	60	70	80
Water in/out	60/50 °F	Cap. (T.R.)	17.6	22.4	25.9	30.3	37.2	44.6	54.2	62.2	72.5	82.3
		Water Flow Rate (gpm)	42	54	62	73	90	108	131	150	175	199
	55/45 °F	Cap. (T.R.)	15.6	19.8	22.67	27	33	39.5	48	55.2	64	72.8
		Water Flow Rate (gpm)	41	52	60.5	72	87	105	127	147	171	194
Power Supply (volt/ph/hz)			380V/3Ph/50Hz									
Casing			Heavy Gauage Galvanized Steel With Electrostatic Powder Paint Of Epoxy Coating									
Compressor			Reciprocating Semi Hermetic									
No. Of Compressors			1	1	1	1	1	1	1	2	2	2
Cooler			Shell & Tube									
No. of Coolers			1	1	1	1	1	1	1	1	1	1
Refrigerant			R - 22									
No. of Refrigeration Circuits			1	1	1	1	1	1	1	2	2	2
Water Conn. Size (inch)			2 ½	2 ½	2 ½	3	3	3	3	4	4	4
Condenser Coll			Copper Tubes, Aluminium Fins									
No. of Fins Per Inch			12									
No. Of Rows			4	4	4	4	4	4	4	4	4	4
Condenser Face Area (ft ²)			26	32	36	36	49	69	69	69	86	95
Condenser Fans			Axial Propeller									
Air Flow Rate (cfm)			9000	13500	18000	18000	18000	27000	27000	36000	36000	36000
Power Cons.(Comp&Fan) (kw)			16	20	25	32	38	42	54	64	77	83
Operating Weight (kg)			550	800	950	1050	1400	1500	1650	1700	1750	2000
Dimensions	Length (cm)	235	235	250	250	250	295	295	295	295	350	
	Width (cm)	125	125	175	175	175	175	175	175	175	175	
	Height (cm)	180	180	180	180	200	200	200	200	200	220	
Notes :			1. Rating based on :									
			- Ambient air temp. : 95 °F									
			- Chilled water range (in/out) temp. : 10 °F									
			2. Available upon request :									
			- Refrigerant : R407c & R134a									
			- Stainless steel shell & tube									

Models and specifications are subject to change without prior notice

AIR COOLED WATER CHILLER WITH SEMI-HERMETIC COMPRESSORS

Model :		DASC	90	110	120	130	150	170	190	200	220	240
Water in/out	60/50 °F	Cap. (T.R.)	88.7	108.4	116.8	131.2	158	175	193.3	204.8	226.8	244
		Water Flow Rate (gpm)	215	262	283	318	383	426	468	497	550	593
	55/45 °F	Cap. (T.R.)	78	95	101	115.7	133.1	154.6	171	180	198	212.6
		Water Flow Rate (gpm)	208	253	269	309	355	412	456	480	528	567
Power Supply (volt/ph/hz)			380V/3Ph/50Hz									
Casing			Heavy Gauge Galvanized Steel With Electrostatic Powder Paint Of Epoxy Coating									
Compressor			Reciprocating Semi Hermetic									
No. Of Compressors			2	2	2	4	4	4	4	4	4	4
Cooler			Shell & Tube									
No. of Coolers			1	1	1	1	2	2	2	2	2	2
Refrigerant			R - 22									
No. of Refrigeration Circuits			2	2	2	4	4	4	4	4	4	4
Water Conn. Size (inch)			4	4	5	5	5	5	5	6	6	6
Condenser Coll			Copper Tubes, Aluminium Fins									
No. of Fins Per Inch			12									
No. Of Rows			4	4	4	4	4	4	4	4	4	4
Condenser Face Area (ft²)			95	137	137	137	137	189	211	211	253	285
Condenser Fans			Axial Propeller									
Air Flow Rate (cfm)			45000	45000	54000	54000	110000	110000	110000	110000	110000	126000
Power Cons.(Comp&Fan) (kw)			87	109	131	164	155	175	199	224	235	251
Operating Weight (kg)			2500	2850	3600	3800	4500	5000	5400	6400	6800	7200
Dimensions	Length (cm)	385	385	480	480	550	550	650	650	800	800	
	Width (cm)	175	235	235	235	235	235	235	235	250	250	
	Height (cm)	220	220	220	220	235	235	235	235	250	250	
Notes :			1. Rating based on :									
			- Ambient air temp. : 95 °F									
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