



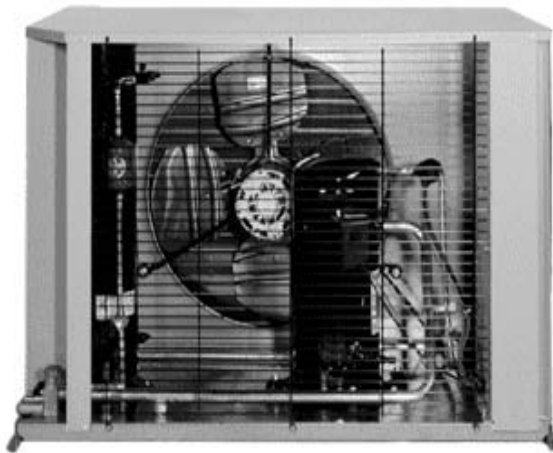
MODULAR REMOTE HIGH SIDE CONDENSING UNITS **HIGH AMBIENT**

Model HA1000-6000 Condensing Units

Models HA1000-6000 condensing units are all engineered with the correct capacity, components and controls, to match each and every Howe Rapid Freeze Flake Ice Machines. These units are designed for unexcelled quality, reliability, and long life. They are durable, energy efficient and available in a wide variety of refrigerants and electrical voltages.



Model HA1000-A-R404A-1



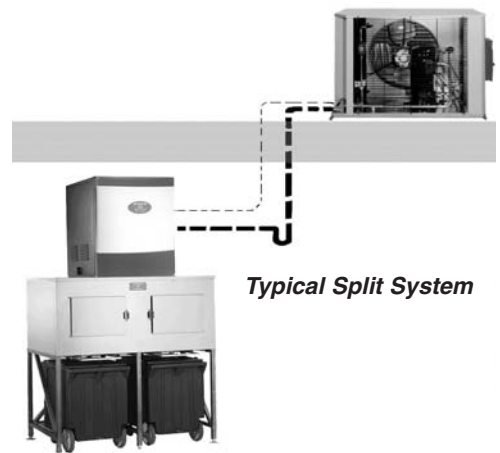
Model HA3000-A-R404A-1

FEATURES

- Separate high pressure, low pressure control switches
- Electrical controls including compressor contactor and ice flaker interconnect wiring and isolating relay are located in an easily accessible control box with hinged cover.
- Contact points to connect with flaker control panel to monitor low oil pressure, high discharge pressure, low suction pressure (pump-down), and compressor running conditions.
- Suction Accumulator
- Suction Filter
- Oil Separator with oil return line.
- EPR Valve (supplied loose) with 1000-6000 remote low side ice flakers.
- Manual pumpdown switch on condensing unit. (for service adjustment)
- Oversized receiver.
- Oversized condenser
- Epoxy-coated enamel weather hood for superior strength and corrosion protection.
- High-efficiency Copeland compressors.
- Thermally protected permanently lubricated ball bearing condenser fan motors.
- Head pressure control system
- Suction & liquid vibration eliminators.
- Liquid line filter-drier and sight glass.
- Discus compressors have "Sentronic" oil control.
- Crank case heater
- Oversized condensing units rated for 110°F ambient conditions.

OPTIONAL FEATURES

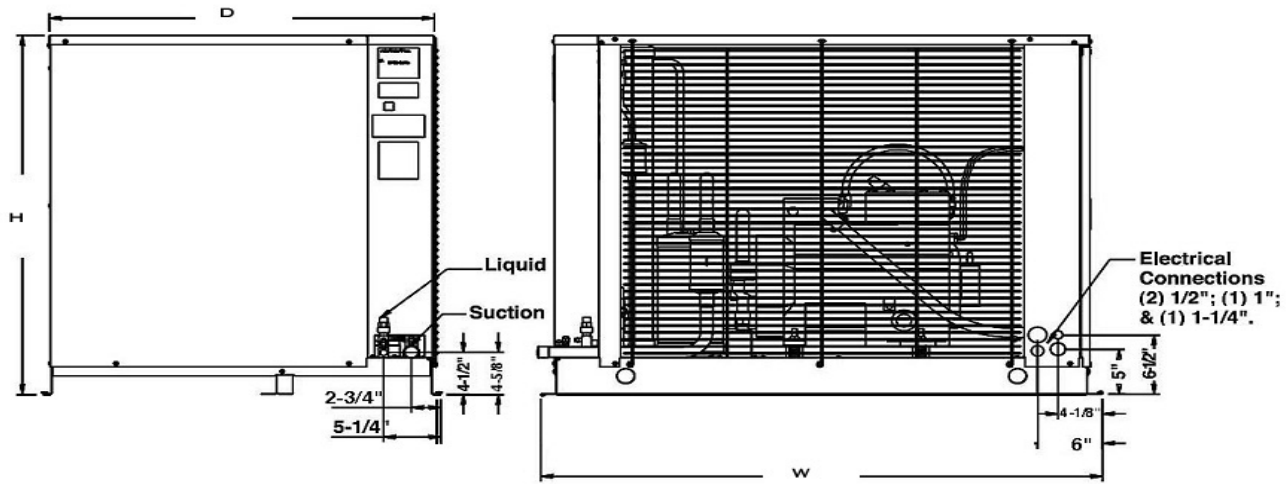
- Coated condenser coils for harsh environments.



Typical Split System



Model 1000-6000RHS A/C RAPID FREEZE



CONDENSING UNIT INFORMATION HIGH AMBIENT

	Model No.	Dimensions						Condensing Unit Connections		Required Run Line Sizes		Rec. Cap. 90%	Shipping Weight	
		Inches			Centimeters			Suction	Liquid	Suction	Liquid	Lbs.	Lbs.	Kg.
		W	D	H	W	D	H							
R-404A (60 cycle)	HA1000-A-R404A-*	37-3/4	28-1/4	17-1/4	95.89	71.75	43.82	7/8	3/8	7/8	3/8	10	301	137
	HA2000-A-R404A-*	42-1/2	30-1/4	29-3/4	107.95	76.84	75.57	1-1/8	1/2	1-1/8	1/2	20	307	139
	HA3000-A-R404A-*	51-3/4	36-3/4	39-1/4	131.44	93.35	99.70	1-1/8	1/2	1-3/8	1/2	28	741	336
	HA4000-A-R404A-*	51-3/4	36-3/4	39-1/4	131.44	93.35	99.70	1-1/8	1/2	1-3/8	1/2	28	781	355
	HA6000-A-R404A-*	63-3/4	36-3/4	39-1/4	161.93	93.35	99.70	1-3/8	5/8	1-5/8	5/8	67	1030	468

ELECTRICAL SPECS R-404A

Voltage	Model	Compressor		Condenser Fan Motor			Unit	
		R.L.A.	L.R.A.	Qty.	HP	F.L.A.	M.C.A.	M.O.P.
208-230/3/60	HA1000-A-R404A-1	6.6	50	2	1/15	1.0	15.	20
	HA2000-A-R404A-1	13.6	99	2	1/3	2.7	20.	38
	HA3000-A-R404A-1	23.6	161	1	1/3	2.7	32.2	50
	HA4000-A-R404A-1	24.0	150	1	1/3	2.7	32.7	50
	HA6000-A-R404A-1	33.2	215	2	1/3	5.4	46.9	80

460/3/60	HA1000-A-R404A-3	-	-	-	-	-	-	-
	HA2000-A-R404A-3	7.4	49.5	1	1/3	1.9	15.	15
	HA3000-A-R404A-3	9.2	60	1	1/3	1.9	13.4	25
	HA4000-A-R404A-3	10.8	77	1	1/3	1.9	15.4	25
	HA6000A-R404A-3	15.	106	2	1/3	3.8	22.6	35

