

Vogt Tube Ice machines HES-20, HES-30, HES-40

In 1938, Vogt Ice revolutionized the ice making industry by introducing the world's first automatic sized icemaker. Today, Vogt HES (High Efficiency Series) Tube-Ice machines enjoy a well-earned reputation as the most energy efficient, dependable ice machines on the market. Heavy-duty industrial construction, automatic operation, and the best warranty in the business make the Vogt HES Series the only "clear" choice for your ice making needs.

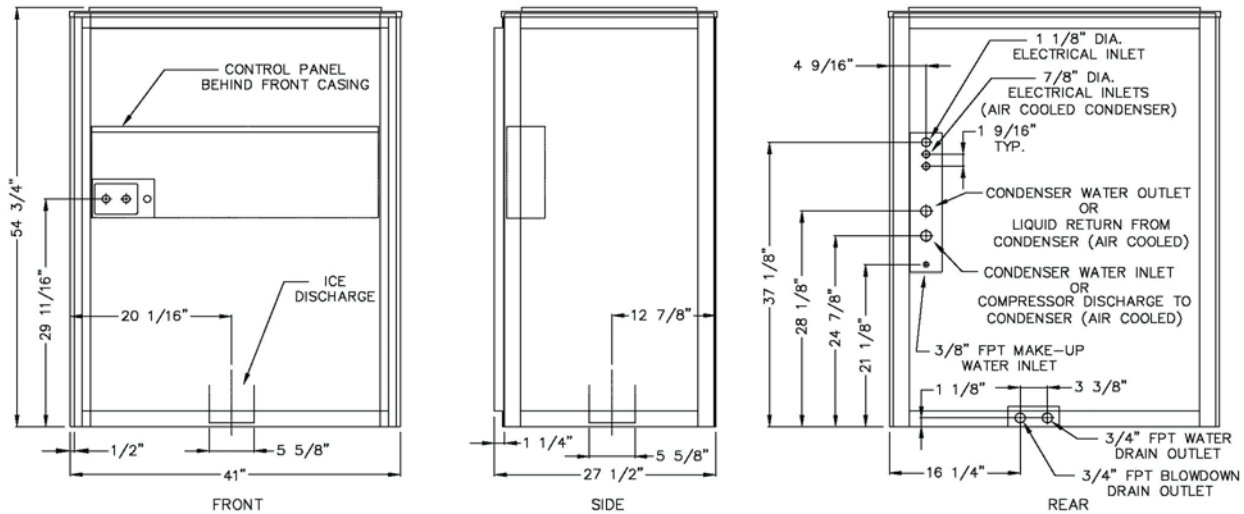
Three settings are available:

- Cylinder (Tube-Ice) only
7/8" Ice Diameter X 3/4" long (S)
1 1/8" Ice Diameter X 1" long (M)
- Crushed Ice only
3/16" to 1/4" thick on all models (approx.)
- Dual Ice Option
Both Cylinder and crushed ice for split bins

HES Features:

- 25 Year Life expectancy
- 3 Year parts warranty
- 3 Year labor warranty*
- 5 Year compressor warranty*
- 25 Year evaporator warranty
- Manufactured in accordance with the A.S.M.E. code
- Environmentally friendly Refrigerant R404A
- Optional CE marking





NOTE: MACHINE FOOTPRINT WITHOUT CASINGS: 40" X 26" X 54"

Model	Voltage	Ice Machine Electrical Information						Motor Information				Shipping Weight			
		Water Cooled			Air Cooled			Water Pump	Cutter Motor	Condenser Fan Motor(s)	Compressor	Lbs	Kg		
		F.L.A.	Min. Ampacity	Max. Fuse Size (Amps)	F.L.A.	Min. Ampacity	Max. Fuse Size (Amps)							H.P.	
HES-20	208/230V, 3ph, 60hz	18.0	20.9	35	20.5	23.1	35	1/3	1/2	1/3	3	1050	476		
	460V, 3ph, 60hz	9.0	10.4	15	9.5	12.1	15			2@1/2	4	1150	522		
	200V, 3ph, 50hz	19.0	21.9	30	21.5	24.4	35			2@1/2	6	1200	544		
	400V, 3ph, 50hz	9.5	10.9	15	10.0	11.4	15								
HES-30	208/230V, 3ph, 60hz	21.6	25.4	45	29.6	33.4	50								
	460V, 3ph, 60hz	10.7	12.6	20	11.6	13.5	20								
	200V, 3ph, 50hz	22.6	26.4	40	30.6	34.4	45								
	400V, 3ph, 50hz	11.2	13.1	20	12.1	14.9	20								
HES-40	208/230V, 3ph, 60hz	27.3	32.5	55	35.3	40.5	65								
	460V, 3ph, 60hz	14.8	17.7	25	15.7	19.5	30								
	200V, 3ph, 50hz	28.3	33.5	50	36.3	41.5	60								
	400V, 3ph, 50hz	15.3	18.2	25	16.2	20.0	30								

Model	Machine Capacity						Water Usage				Energy Usage	
	Make-Up Temperature						Ice Making		Condenser		(KWH/100 lbs)	
	50°F (10°C)		70°F (21°C)		90°F (32°C)		Gal/100lbs	Liters/100lbs	Gal/100lbs	Liters/100lbs	Water Cooled	Air Cooled
HES-20S	2490	1129	2075	941	1875	851	14.5	54.9	124	471	2.86	3.15
HES-20M	2120	962	1985	900	1850	839			103	390	3.08	3.37
HES-30S	3070	1393	2750	1247	2300	1043			220	833	3.02	3.74
HES-30M	2690	1220	2400	1089	2010	912			341	1291	3.30	4.38
HES-40S	4070	1846	3620	1642	3230	1465			171	647	3.07	3.85
HES-40M	3565	1617	3170	1438	2830	1284			402	1522	3.45	4.41

NOTE: ENERGY USAGE BASED ON MAKEUP WATER TEMPERATURE OF 70 °F, AMBIENT (AIR) TEMPERATURE OF 90 °F
 CAPACITY RATING IS AVERAGE FOR THE MODEL. INDIVIDUAL MACHINES MAY VARY +/- 5% .
 CAPACITY BASED ON AMBIENT (AIR) TEMPERATURE OF 90 °F
 CAPACITY REDUCED 17% ON 50HZ
 MAKE-UP WATER USAGE INCLUDES 20 % BLOWDOWN

Operating Conditions:

The ice machine shall not be subjected to an atmospheric temperature lower than 50°F nor higher than 90°F without effect on performance. Water for condensing and for ice making purposes shall be non-corrosive.

The water shall be at a constant pressure not less than 30 lbs. at the ice machine location. The condition of the water to make satisfactory ice shall be the responsibility of the purchaser.

Air-Cooled Condensers:

The air-cooled condensers are available as remoted units only, with 50/50 split coil and low ambient controls. Vogt requires that the air-cooled condenser be purchased from the Vogt factory for warranty consideration and in order to assure proper sizing and operation. The ice capacity with an air-cooled unit will be the same as a water-cooled unit, as long as the ambient temperature does not exceed 90°F. For each 5°F increase in ambient temperature, the ice capacity will be decreased by approximately 3%.

Line Size Connections		
Ice Making Water		3/8" FPT
Drain Connections	Overflow	3/4" FPT
	Drip Pan	3/4" FPT
* Condenser Water	HES-20 & HES-30	3/4" FPT
Inlet and Outlet	HES-40	1" FPT
** Comp. Discharge & Condenser Return	1 1/8" OD	

NOTE: * WATER COOLED MACHINE / ** AIR COOLED MACHINE



Revision Date: 10/09

Vogt
TubeIce | Turbo
Engineered to Endure

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