

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.

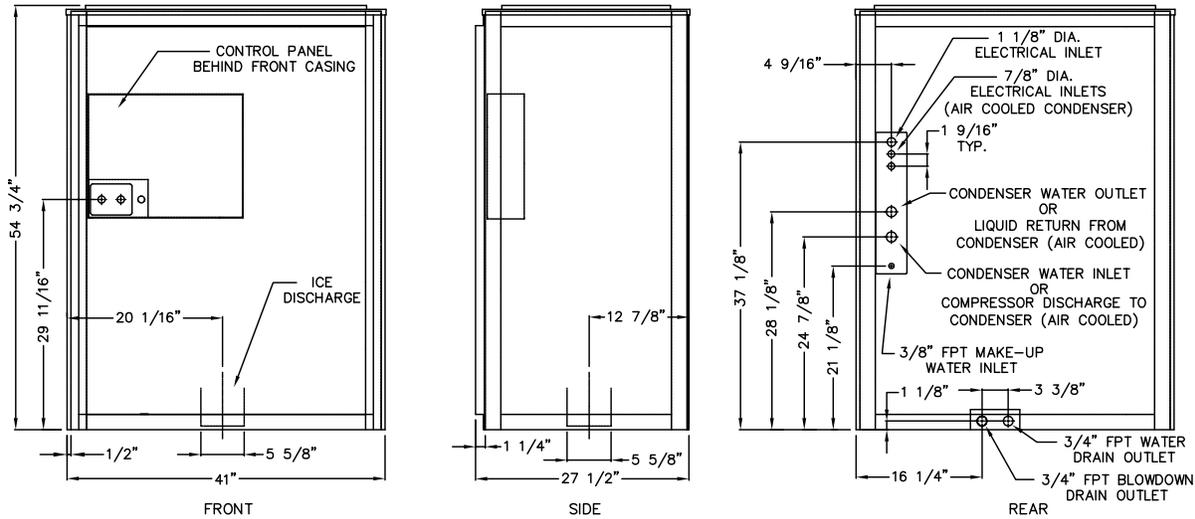
Three settings are available:

- 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)						
HES-20	208/230V, 3ph, 60hz 460V, 3ph, 60hz 200V, 3ph, 50hz 400V, 3ph, 50hz	18.0 9.0 19.0 9.5	20.9 10.4 21.9 10.9	30 15 30 15	21.4 10.3 22.4 10.8	24.3 11.7 25.3 12.2	35 15 35 15	1/3	1/2	1/3	3	1050	476
HES-30	208/230V, 3ph, 60hz 460V, 3ph, 60hz 200V, 3ph, 50hz 400V, 3ph, 50hz	21.6 10.7 22.6 11.2	25.4 12.6 26.4 13.1	40 15 40 20	25.5 12.0 26.5 12.5	29.3 13.9 30.3 14.4	40 20 45 20			1/2	4	1150	522
HES-40	208/230V, 3ph, 60hz 460V, 3ph, 60hz 200V, 3ph, 50hz 400V, 3ph, 50hz	27.3 14.8 28.3 15.3	32.5 17.7 33.5 18.2	50 25 50 25	35.1 17.4 36.1 17.9	40.3 20.3 41.3 20.8	60 30 60 30			2@1/2	6	1200	544

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

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 the 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 Inlet and Outlet	HES-20 & HES-30	3/4" FPT
	HES-40	1" FPT
** Comp. Discharge & Condenser Return		1 1/8" OD

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



Air Cooled HES20S, HES40S and HES40M models are Energy Star® qualified commercial ice machines when operated with a Vogt Ice High Ambient air cooled condenser.

Vogt Ice reserves the right to change designs and specifications without notice



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