

# Vogt Tube Ice machines P18XT

In 1938, Vogt Ice revolutionized the ice making industry by introducing the world's first automatic sized icemaker. Today, Vogt 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 ice machines 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
  - 1 1/8" Ice Diameter X 1" long
- Crushed Ice only
  - 3/16" to 1/4" thick on all models (approx.)
- Dual Ice Option
  - Both Cylinder and crushed ice for split bins
  - Note: Not available for 7/8" Ice Diameter

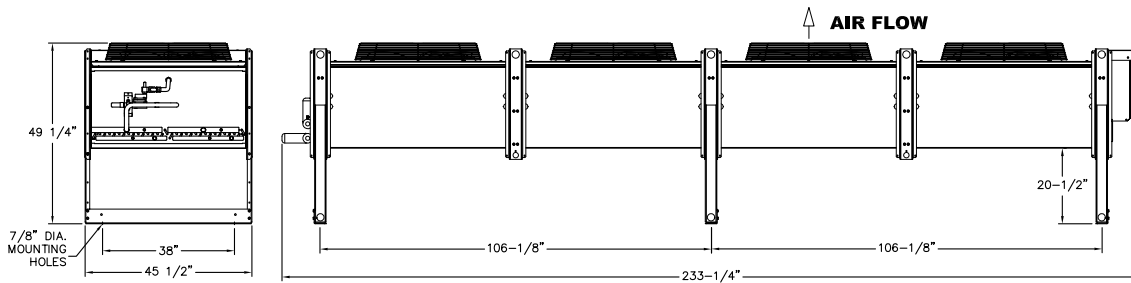
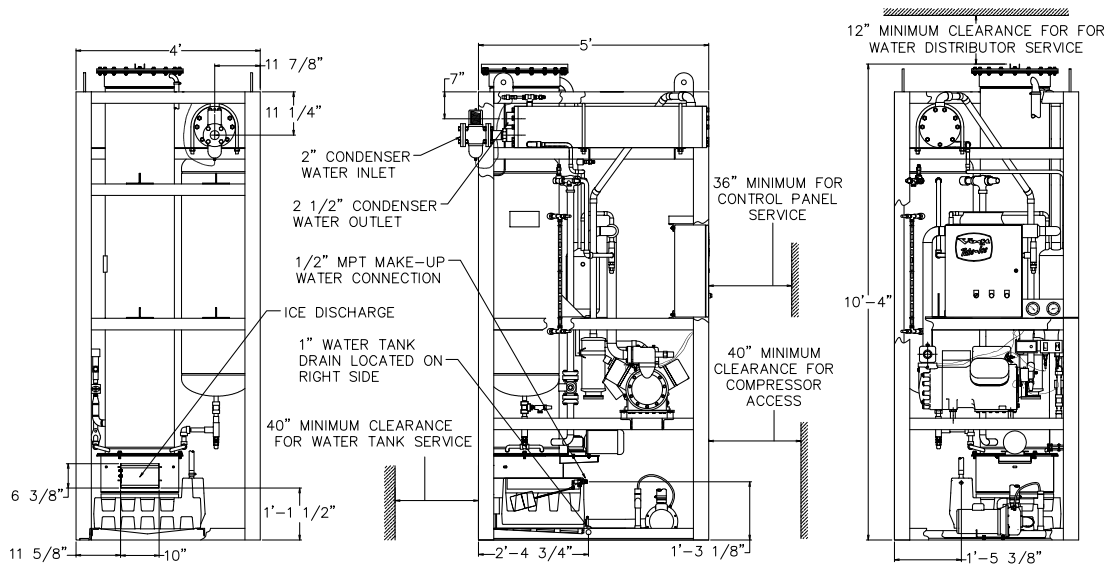
## P18XT Features:

- 25 Year Life expectancy
- 25 Year evaporator warranty
- Highly Efficient Copeland Discus Compressor
- Manufactured in accordance with the A.S.M.E. code
- Environmentally friendly Refrigerant R404A
- Controls U.L. Approved



# VOGT TUBE-ICE<sup>®</sup> MACHINES

Model P18XT



Ice Machine Electrical Information							Motor Information			
Voltage	Air Cooled			Water Cooled			Water Pump	Cutter Motor	Condenser Fan Motor(s)	Compressor
	F.L.A.	Min. Ampacity	Max. Fuse Size (Amps)	F.L.A.	Min. Ampacity	Max. Fuse Size (Amps)				
208/230V, 3ph, 60hz	129.3	152.8	250	101.3	124.8	220	1 1/2	1/2	(qty 4) @ 1 1/2	21
460V, 3ph, 60hz	70.2	83.3	140	56.2	69.3	125				24
200V, 3ph, 50hz	162.1	193.4	320	134.1	165.4	295				
400V, 3ph, 50hz	81.3	96.9	160	67.3	82.9	150				

Model	Machine Capacity						Energy Usage KWH/100 lbs	Water Usage					
	Make-Up Temperature							Ice Making				Condenser	
	50°F (10°C)		70°F (21°C)		90°F (32 °C)			Gal/100lbs	Liters/100lbs	GPM	LPM	GPM	LPM
P18FXT - 1"	21,200	9616	20,000	9072	16,600	7530	2.51	14.5	54.9	2.35	8.89	90	340
P18FXT - 1 1/4"	19,460	8827	18,100	8210	15,780	7158	3.18			2.12	8.02		
P18FXT - 1 1/2"	18,300	8301	15,780	7158	14,500	6577	3.21			2.04	7.72		

NOTE: ENERGY USAGE AND WATER REQUIREMENTS BASED ON MAKEUP WATER TEMPERATURE OF 70 °F AMBIENT (AIR) TEMPERATURE OF 90 °F AND 60HZ POWER.

CAPACITY RATING IS AVERAGE FOR THE MODEL. INDIVIDUAL MACHINES MAY VARY +/-5%. REDUCE 15% FOR 50HZ.

MAKE-UP WATER USAGE INCLUDES 20% BLOWDOWN. KWH VALUES BASED ON WATER COOLED UNITS.

### 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 ice making purposes shall be non-corrosive. The water shall be at a constant pressure of not less than 30 psig 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 remote units only, with 50/50 split coil and low ambient controls. Vogt requires that the air-cooled condensers 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 above 90 °F, the ice capacity will be decreased by approximately 3%.

	Machine Weights			
	Ice Machine		Condenser	
	Lbs	Kg	Lbs	Kg
Shipping Weight	4800	2177	1520	690
Operating Weight	4900	2223	1570	712

Line Size Connections	
Ice Making Water	1/2" MPT
Drain Connections	1" FPT
Condenser Water Lines	In
	Out
	2" FPT
	2-1/2" FPT

Refrigerant Line Sizes from Ice Machine to Condenser	Return	1 3/8" IDS
	Out	1 3/8" IDS

Revision 9/15/2013

**Vogt**  
**TubeIce | Turbo**  
**Engineered to Endure**

Vogt Ice, LLC  
 1000 West Ormsby Ave.,  
 Louisville KY 40210  
 Phone: 502-635-3000  
 E-mail: info@vogtice.com

