

**Vilter VMC 450XL 8-Cylinder Reciprocating Compressor - 100 HP**

**Mfg: Vilter / Emerson Climate**

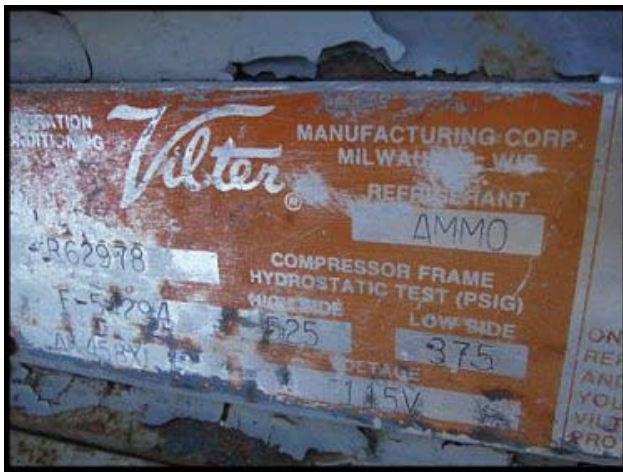
**Model: VMC450XL/F-54294**

**Stock No.: TFAR102.7**

**Serial No.: R62978**

Vilter Ammonia Compressor. Model: VMC450XL/F-54294. S/N: R62978. AK458XL. Number of cylinders: 8. Compressor frame hydrostatic test: 525 PSI high side, 375 PSI low side. Lincoln motor: 100 HP, 1760 RPM, 460V, 404T frame. \*Note: suction/discharge valves are missing. Overall dimensions: 78 in. L x 48 in. W x 44 in. H.





ITEM	452XL	454XL	456XL	458XL
Number of Cylinders	2	4	6	8
Maximum RPM	1200	1200	1200	1200
Bore & Stroke - in. (mm)	4 $\frac{1}{2}$ x4 $\frac{1}{2}$ (114x114)	4 $\frac{1}{2}$ x4 $\frac{1}{2}$ (114x114)	4 $\frac{1}{2}$ x4 $\frac{1}{2}$ (114x114)	4 $\frac{1}{2}$ x4 $\frac{1}{2}$ (114x114)
CFM @ Maximum RPM (m <sup>3</sup> /hr)	99.4(169)	199(338)	298(507)	398(676)
Tons(Kcal/hr x 10 <sup>3</sup> )	R-717 (10°F)	24(73)	49(148)	73(221)
Refrigeration @ 95°F	R-22 (20°F)	29(88)	59(178)	88(26)
	R-290 (0°F)	16(48)	31(94)	47(142)
Condensing		62(187)		
Suction Connection - Inches (mm)	2 $\frac{1}{2}$ (64)	3(76)	4(102)	4(102)
Discharge Connection - Inches (mm)	2(51)	2 $\frac{1}{2}$ (64)	3(76)	3(76)
Unit Weight Less Motor - Lbs. (Kg.)	1900(862)	2700(1225)	3100(1406)	3400(1542)
Oil Charge - Gallons (Liters)	5(19)	7(27)	7(27)	7(27)
Standard Steps of Unloading (%)	0	50	33/66	24/50
Option 1 Steps of Unloading (%)	50	25/50/75	-	25/50/75
Option 2 Steps of Unloading (%)	100	50/100	33/66/100	25/50/75/100
Maximum Discharge Temp. - °F (°C)	300(149)	300(149)	300(149)	300(149)
Crankcase Oil Temp. Range - °F (°C)	110-130 (43-54)	110-130 (43-54)	110-130 (43-54)	110-130 (43-54)

When reserve the right to make changes in design and specifications without notice.