



M600 Compressor

## M Series Helium Compressors

***Trillium's M Series scroll based helium compressors provide extensive helium operating pressure and flow range to a wide variety of cryopump and cryogenic cold head applications.***

Available in high voltage, low voltage, water, and air cooled variants; M Series compressors offer convenient maintenance, proven reliability, and optional remote control features.

### **COMPETITIVE**

Attractive Pricing  
Immediate Availability

### **HIGH QUALITY**

Full Engineering Department  
ISO-9001 Certified

### **COMPATIBLE**

Fully Interchangeable with  
CTI/Helix Product

### **WELL SUPPORTED**

After Sale Service & Spares  
From 3 US Service Centers

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# M Series Helium Compressors

Specifications	M250	M350	M600	M700
Maximum Helium Flow	25 CFM		60 CFM	72 SCFM
Static Helium Charge		240 psi (+/- 10 psi)		200 psi (+/- 10 psi)
<b>WATER COOLED</b>				
Minimum Required Water Flow	0.3 gallons/minute (1.14 liters/minute)		1.6 gallons/minute (6 liters/minute)	
Cooling Water Temperature Range	60 – 80° F (15.5 – 26.7° C)		50 – 90° F (10 – 32.2° C)	60 – 80° F (15.5 – 27° C)
Cooling Water Quality	Municipal Drinking Water or Better			
Ambient Air Temperature	40 – 104° F (5 – 40° C)			
Dimensions – Height	23.32" (59.2 cm)		24.56" (62.4 cm)	24.78" (62.9 cm)
Dimensions – Width	17.75" (45.1 cm)		17.72" (45 cm)	18.56" (47.1 cm)
Dimensions – Depth	19.13" (48.6 cm)		18.30" (46.5 cm)	21.28" (54 cm)
Weight		260 lbs. (118 kg)		320 lbs. (145 kg)
<b>AIR COOLED</b>				
Air Temperature Operating Range	Use M125	Use M600	40 – 104° F (5 – 40° C)	23 – 104° F (-5 – 40° C)
Dimensions – Height	Use M125	Use M600	26.90" (68.3 cm)	50.24" (127.6 cm)
Dimensions – Width	Use M125	Use M600	17.32" (44 cm)	18.49" (47 cm)
Dimensions – Depth	Use M125	Use M600	32.40" (82.3 cm)	30.63" (64.8 cm)
Weight	Use M125	Use M600	300 lbs. (136.1 kg)	350 lbs. (159 kg)
<b>POWER</b>				
Rated Operating Low Voltage Range	200 – 220 VAC 1Ph @ 50 Hz* 208 - 230 VAC 1Ph @ 60 Hz*	200 – 220 VAC 3Ph @ 50 Hz* 208 - 230 VAC 3Ph @ 60 Hz*	200 VAC @ 50 Hz 200 – 230 VAC @ 60 Hz	200 – 220 VAC @ 50 Hz 240 VAC @ 60 Hz
Rated Operating High Voltage Range	N/A	N/A	380 – 420 VAC @ 50 Hz 440 – 480 VAC @ 60 Hz	380 – 420 VAC @ 50 Hz 460 VAC @ 60 Hz
Max Power Consumption	3.2 kW		7.8 kW	13.3 kW Low Volt 14.5 kW High Volt
Recommended Wall Breaker Rating	20 Amp 1 Phase	30 Amp 3 Phase	30 Amp Low Volt 20 Amp High Volt	40 Amp Low Volt 25 Amp High Volt
CE Approved	CE	CE	CE	N/A

All power specifications rated for 3 Phase unless otherwise noted: \*Single & 3 Phase

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## M250 Compressor



## CAPACITY & COMPATIBILITY

Cryopump/Cold Head	M250	M350	M600	M700
Cryo-Plex® 8 / 350 CS	1	2	3/4*	4/5*
Cryo-Plex® 8LP / 350 CS	1	2	3/4*	4/5*
Cryo-Plex® 10 / 1020 CS	-	1	2	3
Cryo-Plex® 16 / 1050 CS	-	-	1	1/2
OnBoard® and CryoTorr® 8/8F	1	2	3/4*	4/5*
OnBoard® and CryoTorr® 250F	-	1	2	3
OnBoard® and CryoTorr® 10	-	1	2	3
OnBoard® and CryoTorr® 400	-	-	1	1/2*
OnBoard® and CryoTorr® 500	-	-	1	1

\* 60 Hz Power Required

## POWER & COOLING

Model	Air	Water	Power
M125	Yes	No	1Ph
M250	No	Yes	1Ph
M350	No	Yes	3Ph †
M600	Yes	Yes	3Ph †
M700	Yes	Yes	3Ph †

\* 3 Phase only in Low Voltage for M250, † 3 Phase Available in Low & High Voltage

## ACCESSORIES



Cryo-Plex Cryopumps



Temperature Controllers



Helium Lines



Rough Pumps



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**Cryogenic Accessories**



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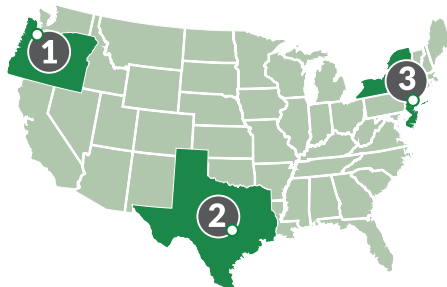
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