SPECIFICATION - 380 L / 12 CU. FT. MODELS

RANGE -70 TO 180°C

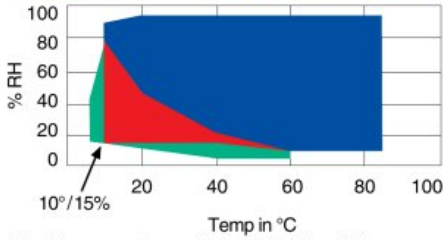
Temp/Humidity	EGNX12-4CWL EGNX12-4CAL	EGNX12-6CWL EGNX12-6CAL	EGNX12-7.5CWL
Temp Only	**EGNZ12-4CWL EGNZ12-4CAL**	**EGNZ12-6CWL EGNZ12-6CAL**	**EGNZ12-7.5CWL**
Temperature Range	-70 to 180°C (-94 to 354°F)		
Cooling Capacity	2.5 kW at -50°C	4 kW at -50°C	4.5 kW at -50°C
Refrigeration System	Cascade 4 hp Scroll	Cascade 6 hp Scroll	Cascade 7.5 hp Scroll
Heating System	5 kW	8 kW	8 kW
Humidity Range	10 to 95% RH per chart (EGNX models only)		
Measured Airflow	850 cubic meters per hour (500 CFM)		
Performance Example (-70 to 180°C, per IEC 60068 3-5, at supply air)			
Heating Rate	7°C/m average	15°C/m average	15°C/m average
Cooling Rate	6.5°C/m average	11°C/m average	15°C/m average
Dimensions			
Workspace Volume	380 L (12 cu. ft.)		
Workspace (WxDxH)	60 x 74 x 85 cm (23.6" x 29.25" x 33.4")		
Exterior (WxDxH) less instrument	81 x 190 x 176 cm (31.7" x 75" x 69") ('CAL' suffix models are 38 cm (15") taller)		81 x 221 x 176 cm (31.7" x 87" x 69")
Site Requirements			
Power Supply	380-415V 3Ø 50Hz (460V 3Ø 60Hz also available)		
Humidity Water	De-ionized water, 0.2 to 10 µS/cm resistivity (EGNX models only)		
Cooling Water Maximum with 30°C Inlet	34 LPM (9 GPM) (CWL suffix models)	53 LPM (14 GPM) (CWL suffix models)	72 LPM (19 GPM)
Heat to Room	40,000 BTU/hr (CAL suffix models)	60,000 BTU/hr (CAL suffix models)	—

EGNX12-4CWL (this page)

RANGE -40 TO 180°C

Temp/Humidity	EGNL12-4CWL EGNL12-4CAL	EGNL12-6CWL EGNL12-6CAL
Temperature Range	-40 to 180°C (-40 to 354°F)	
Cooling Capacity	3.3 kW at -20°C	4.8 kW at -20°C
Refrigeration System	Single-stage 4 hp Scroll	Single-stage 6 hp Scroll
Heating System	8 kW	8 kW
Humidity Range	10 to 95% RH per chart	
Measured Airflow	850 cubic meters per hour (500 CFM)	
Performance Example (-40 to 180°C, per IEC 60068 3-5, at supply air)		
Heating Rate	8°C/m average	15°C/m average
Cooling Rate	8°C/m average	12°C/m average
Dimensions		
Workspace Volume	380 L (12 cu. ft.)	
Workspace (WxDxH)	60 x 74 x 85 cm (23.6" x 29.25" x 33.4")	
Exterior (WxDxH) less instrument	81 x 190 x 176 cm (31.7" x 75" x 69") ('CAL' suffix models are 38 cm (15") taller)	
Site Requirements		
Power Supply	380-415V 3Ø 50Hz (460V 3Ø 60Hz also available)	
Humidity Water	De-ionized water, 0.2 to 10 µS/cm resistivity	
Cooling Water Maximum with 30°C Inlet	35 LPM (9 GPM) (CWL suffix models)	55 LPM (14 GPM) (CWL suffix models)
Heat to Room	52,000 BTU/hr (CAL suffix models)	75,000 BTU/hr (CAL suffix models)

Humidity Range (EGNX, EGNL)



The blue area shows the standard humidity range. The red area indicates the optional low-humidity range, and the green the optional ultra-low humidity range.

NOTE:
Please submit a performance evaluation request (see page 4) to ensure selection of the correct model for your test requirement.

Site requirements also include a drain for condensate water from the chamber, and ample spacing for service and proper air cooling.

These specifications are for reference only. Detailed and current specifications can be obtained from your local sales representative.

SPECIFICATION - 800 L / 28 CU. FT. MODELS

RANGE -70 TO 180°C

Temp/Humidity	EGNX28-6CWL EGNX28-6CAL	EGNX28-12CWL	EGNX28-15CW
Temp Only	**EGNZ28-6CWL EGNZ28-6CAL**	**EGNZ28-12CWL**	**EGNZ28-15CW**
Temperature Range	-70 to 180°C (-94 to 354°F)		
Cooling Capacity	4 kW at -50°C	9 kW at -50°C	11 kW at -50°C
Refrigeration System	Cascade 6 hp Scroll	Cascade 12 hp Scroll	Cascade 15 hp Discus
Heating System	10 kW	15 kW	20 kW
Humidity Range	10 to 95% RH per chart (EGNX models only)		
Measured Airflow	1,350 cubic meters per hour (800 CFM)		
Performance Example (-70 to 180°C, per IEC 60068 3-5, at supply air)			
Heating Rate	10°C/m average	15°C/m average	20°C/m average
Cooling Rate	5.5°C/m average	12.5°C/m average	20°C/m average
Dimensions			
Workspace Volume	800 L (28 cu. ft.)		
Workspace (WxDxH)	100 x 80 x 100 cm (39.4" x 31.5" x 39.4")		
Exterior (WxDxH) less instrument	121 x 196 x 193 cm (48" x 77" x 76") (CAL suffix models are 38 cm (15") taller)		121 x 305 x 201 cm (48" x 120" x 79")
Site Requirements			
Power Supply	380-415V 3Ø 50Hz (460V 3Ø 60Hz also available)		
Humidity Water	De-ionized water, 0.2 to 10 µS/cm resistivity (EGNX models only)		
Cooling Water Maximum with 30°C Inlet	53 LPM (14 GPM) (CWL suffix models)	102 LPM (27 GPM)	121 LPM (32 GPM)
Heat to Room	60,000 BTU/hr (CAL suffix models)	—	—

EGNX28-6CWL (this page)

RANGE -40 TO 180°C

Temp/Humidity	EGNL28-4CWL EGNL28-4CAL	EGNL28-6CWL EGNL28-6CAL	EGNL28-7.5CWL	EGNL28-12CWL
Temperature Range	-40 to 180°C (-40 to 354°F)			
Cooling Capacity	3.3 kW at -20°C	4.8 kW at -20°C	5.8 kW at -20°C	9 kW at -20°C
Refrigeration System	Single-stage 4 hp Scroll	Single-stage 6 hp Scroll	Single-stage 7.5 hp Scroll	Single-stage 12 hp Scroll
Heating System	10 kW	10 kW	15 kW	15 kW
Humidity Range	10 to 95% RH per chart			
Measured Airflow	1,350 cubic meters per hour (800 CFM)			
Performance Example (-40 to 180°C, per IEC 60068 3-5, at supply air)				
Heating Rate	10°C/m average	10°C/m average	20°C/m average	20°C/m average
Cooling Rate	4°C/m average	8°C/m average	12°C/m average	15°C/m average
Dimensions				
Workspace Volume	800 L (28 cu. ft.)			
Workspace (WxDxH)	100 x 80 x 100 cm (39.4" x 31.5" x 39.4")			
Exterior (WxDxH) less instrument	121 x 196 x 193 cm (48" x 77" x 76") (CAL suffix models are 38 cm (15") taller)			
Site Requirements				
Power Supply	380-415V 3Ø 50Hz (460V 3Ø 60Hz also available)			
Humidity Water	De-ionized water, 0.2 to 10 µS/cm resistivity			
Cooling Water Maximum with 30°C Inlet	35 LPM (9 GPM) (CWL suffix models)	55 LPM (14 GPM) (CWL suffix models)	79 LPM (19 GPM)	106 LPM (27 GPM)
Heat to Room	52,000 BTU/hr (CAL suffix models)	75,000 BTU/hr (CAL suffix models)	—	—