



**CONNECT AND PROTECT**

# Thermal Management EasySpec Guide

  
nvent

**HOFFMAN**

# EasySpec Application Guide

## CHOOSE THE RIGHT THERMAL MANAGEMENT SOLUTION FOR YOUR SPECIFIC APPLICATION

TYPE OF COOLING	SEALED ENCLOSURE COOLING										FRESH AIR COOLING								
	AIR CONDITIONERS					HEAT EXCHANGERS					CONDENSATE			PACKAGED AIR MOVERS			BARE AIR MOVERS		
	SpectraCool	ProAir	T-Series	Water-Cooled	V-Series	Thermoelectric	Vortex Cooler	Air-to-Water Indoor	Air-to-Air Indoor	Air-to-Air Outdoor	H2Omit	Enclosure Heater	Direct Air Cooler	Filter Fan	19" Fan Tray	19" Fan Package	19" Blower	Compact Axial Fan	Single/Dual Blower
<b>nVent HOFFMAN Cooling Solution</b>																			
<b>SYSTEM ENVIRONMENT</b>	<b>*ProAir meets IP66 rating</b>																		
Clean indoor														✓	✓	✓	✓	✓	✓
Indoor Industrial (Type 12 / IP54 / IP55)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓						
Outdoor (Type 3R / IP56)	✓	✓	✓		✓	✓			✓	✓			✓	✓					
Hose-Driven Water (Type 4 / IP56)	✓	✓	✓	✓		✓	✓			✓	✓								
Corrosive (Type 4X / Stainless Steel)	✓	✓	✓	✓		✓	✓			✓	✓								
<b>RECOMMENDED TEMP OF ENCLOSURE</b>																			
Cooler than outside the enclosure	✓	✓	✓	✓	✓	✓	✓	✓		✓									
Warmer than outside the enclosure									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>HEAT FROM THE ELECTRONICS</b>											<b>COOLING UP TO 20 DEGREES CELSIUS DELTA-T</b>			<b>COOLING AT 10 DEGREES CELSIUS DELTA-T</b>					
50 – 200 Watt (150 – 300 BTU/Hr)						✓			✓		✓		✓	✓	✓				✓
300 – 600 Watt (1000 – 2000 BTU/Hr)		✓	✓		✓		✓		✓	✓	✓	✓	✓	✓	✓				✓
1000 – 2000 Watt (3500 – 6500 BTU/Hr)	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓		✓	✓
2500 – 3500 Watt (8000 – 12000 BTU/Hr)	✓	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓
6000 Watt (20000 BTU/Hr)	✓		✓																
7000 – 17000 Watt (24000 – 60000 BTU/Hr)			✓																
<b>UTILITIES AT THE INSTALLATION</b>																			
Electricity only	✓	✓	✓		✓	✓			✓	✓			✓	✓	✓	✓	✓	✓	✓
Chilled circulated water				✓					✓										
Compressed air								✓											
<b>POWER INPUT</b>																			
115 VAC 50/60 Hz	✓	✓	✓	✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
230 VAC 50/60 Hz	✓	✓	✓	✓					✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
230 VAC 50 Hz					✓									✓					
400 / 460 50/60 Hz 1-phase		✓	✓	✓															
400 / 460 50/60 Hz 3-phase	✓								✓										
24 and 48 VDC						✓				✓	✓		✓	✓	✓				✓
<b>ENCLOSURE COOLING LOCATION</b>																			
Side of enclosure	✓	✓	✓	✓	✓	✓		✓	✓	✓			✓	✓					
Top of enclosure								✓	✓				✓						
19" Rack				✓											✓	✓	✓	✓	
Back Panel / Inside Cabinet										✓	✓							✓	✓
<b>AGENCY CERTIFICATION</b>																			
UL / cUL	✓	✓	✓	✓		✓	✓		✓	✓			✓						
UR		✓	✓	✓		✓		✓	✓	✓		✓	✓		✓	✓	✓	✓	✓
CSA															✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓		
GOST	✓	✓	✓	✓	✓				✓	✓			✓						
Telcordia GR-487 capable	✓		✓			✓				✓			✓						

The above chart is subject to change without notice

# Product Availability Chart

## LARGE PRODUCT ASSORTMENT WITH GLOBAL AVAILABILITY

When it comes to specifying thermal management products, HOFFMAN makes it easy. Simply use the chart on the previous page to select the ideal thermal management solution for your specific application and then refer to the chart on this page to confirm the solution is available in your geographical location.



HOFFMAN Cooling Solution		North America	Europe / Middle East / Africa	South America	Japan	China	India	Southeast Asia / Australia
Type of Cooling	Sealed Enclosure Cooling							
	SpectraCool	✓	✓	✓	✓	✓		✓
	ProAir	✓	✓		✓			✓
	T-Series	✓	✓		✓	✓		✓
	Water-Cooled	✓			✓			✓
	V-Series		✓	✓		✓	✓	
	Thermoelectric	✓	✓		✓			✓
	Vortex Cooler	✓		✓	✓			✓
	Air-to-Water Indoor	✓						✓
	Air-to-Air Indoor	✓	✓		✓			✓
	Air-to-Air Outdoor	✓	✓					✓
	H2Omit	✓						✓
	Enclosure Heater	✓	✓		✓	✓		✓
	Direct Air Cooler	✓	✓					✓
	Filter Fan	✓	✓	✓	✓	✓	✓	✓
Fresh Air Cooling								
19" Fan Tray			✓					✓
19" Fan Package								
19" Blower								
Compact Axial Fan			✓					
Motorized Impeller			✓					
Single / Dual Blower								

The above chart is subject to change without notice

## North America

Minneapolis, MN	Tel: +1.763.421.2240
Mexico City, Mexico	Tel: +52.55.5280.1449
Toronto, Canada	Tel: +1.416.289.2770

## South America

Sao Paulo, Brazil	Tel: +55.11.5184.2100
Boitura, Brazil	Tel: +55.15.3363.9148

## Europe

Betschdorf, France	Tel: +33.3.88.90.64.90
Straubenhardt, Germany	Tel: +49.7082.794.0
Dzierzoniow, Poland	Tel: +48.74.64.63.900
Lainate, Italy	Tel: +39.02.932.7141

## Middle East & India

Dubai, United Arab Emirates	Tel: +971.4.378.1700
Bangalore, India	Tel: +91.80.6715.2001

## Asia

Shanghai, P.R. China	Tel: +86.21.2412.6943
Singapore	Tel: +65.6768.5800
Shin-Yokohama, Japan	Tel: +81.45.476.0271
Seoul, Korea	Tel: +82.2.2129.7755
Qingdao	Tel: +86.532.8771.6101

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