

Brochure
Temes Rugged Air Conditioning Unit



Main Technical Data

- Volume: 526 x 534 x 450 mm
- Housing: Sheet steel, aluzinc steel
- Color: RAL 6031 HR (or any other RAL color)
- Weight: ca. 45 Kg
- Temperature: - 33° C to 49° C
- Protection: IP 54 / IP 22
- Cooling Capacity: 1100 Watt
- Heating Capacity: 1000 Watt
- Remote Display and Control Keys

Qualification

- High Temperature: operation + 49° C (MIL-STD 810F 501.4)
+ 71° C Storage
- Low Temperature: operation - 33° C (MIL-STD 810F 501.4)
- Humidity: 95% (MIL-STD 810F 507.4)
- Blowing Dust MIL-STD 810F 510.4
- Blowing Rain MIL-STD 810F 506.5
- Vibration (in Transport Case) 3,9 g (MIL-STD 810F 514.5)
- Shock (in Transport Case) 40g, 10ms; (MIL-STD 810F 516.5)
- Low Pressure (Altitude) 15.000 ft (MIL-STD 810F 500.4)

Available Product Versions

Type:	OC4404	OC4408	OC4410	OC4415	OC4420	OC4420	Custom Made	OC4403
Compressor Type	Inverter-Scroll-Compressor	Scroll-Compressor	Scroll-Compressor	Scroll-Compressor	Scroll-Compressor	Scroll-Compressor	Scroll-Compressor	Inverter-Scroll-Compressor
Dimensions (Height)	6HE	10HE	10HE	10HE	10HE	12HE	TBD	TBD
Cooling Capacity DIN3786 L35L49	400W	800W	1100W	1500W	1800W	1800W	7500W	400W
Cooling Capacity DIN3786 L35L35	400W	1100W	1000W	1350W	2000W	2000W		400W
Heating Capacity	280W	850W	850W/1100W	850W/1100W	850W/1100W	850W/1100W	2500W	280W
Weight	17kg	45kg	47kg	49kg	51kg	57kg	210kg	17kg
Nominal Current	2,1A	3,2A	4,2A	6,2A	6,2A	6,2A	15,4A	2,1A
Max. Inrush Current	4,5A	5,8A	15,5A	22A	22A	22A	80A	4,5A

The unit is compliant to the following standards:

Electrical Safety		Applicable CE Directives	
Earth Continuity Test	IEC 60335-1 Annex A, Clause A.1	Machinery directive	2006/42/EC
Electrical Strength Test	IEC 60335-1 Annex A, Clause A.2	EMC Directive (for >75Vdc)	2014/30/EU
Insulation Resistance Test	IEC 60204-1 Clause 18.3	Low voltage directive (for >75Vdc)	2014/35/EU
Insulation Classification	IEC 60335-1, CLASS 1		
General Electrical Safety	EN 60335-2-40		
Noise Measurements		Electromagnetic Compatibility	
	ISO 3744 / EN12102	Power Supply Fluctuations & Flicker	EN 61000-3-3
		EMC Immunity	EN 61000-6-1/2 / EN 61547
Thermal Performance Testing		Ingress Protection Ratings	
Test Conditions & Methods	EN 14511-2 / EN 14511-3 / DIN 3168	IP Ratings	IEC 60529
		Type Ratings	UL 50E
		NEMA Ratings	NEMA 250
Dimensional Tolerances		Salt Fog	
	ISO 2768 - cL		ASTM B117
Mechanical Safety			
	EN 60204-1 / EN 60335-2-80		
UL Standards			
Air-Conditioners	UL 484 / UL IEC 60335-1 / UL IEC 60335-2-40 / CAN/CSA C22.2 No. 117 / CAN/CSA C22.2 No. 236		
Air-Air Heat Exchangers	UL 1995 / UL IEC 60335-1 / UL IEC 60335-2-41 / CAN/CSA C22.2 No. 236		
Air-Water Heat Exchangers	UL 1995 / UL IEC 60335-1 / UL IEC 60335-2-41 / CAN/CSA C22.2 No. 236		
Thermoelectric Coolers	UL 484 / UL IEC 60335-1 / UL IEC 60335-2-40 / CAN/CSA C22.2 No. 117 / CAN/CSA C22.2 No. 236		
Control Cabinet Accessories	UL 508 / UL 153 / UL 8750 / UL 1993/ UL 873 / UL 508A / CSA/CAN 22.2 No. 14-10/ CSA/CAN 22.2 No. 14-13		
Temperature + Humidity Control	UL IEC 60730-2-9 / UL IEC 60730-1 / CAN/CSA-E60730-1 / CAN/CSA-E60730-2-9 / UL IEC 60730-2-13		

Version 20

© 2018 Temes Engineering GmbH

All rights reserved.

No part of this brochure may be reproduced
or copied in any form without the written
approval
of Temes Engineering GmbH

Address:

TEMES Engineering GmbH

Birkerfeld 53, D-83627 Warngau / Germany

Phone +49 8024 47 38 8-0

Mail: info@temesonline.de

www.temesonline.com

www.temessolar.com