



ROBUST

Electric fan heaters for difficult environments



ROBUST F

Electric fan heaters for fire-hazardous environments

The Robust F has been tested and approved for use in premises that are classified as fire hazardous due to the amount of dust in them. Typical applications include livestock barns and woodworking premises.

- Approved for use in fire-hazardous premises
- The low element temperature prevents ignition of dust
- Casing, grille, and legs/stand made of stainless steel
- Degree of protection IP 65 - dust-tight and hose-proof
- Suitable for mobile applications or wall mounting

Control

Built-in thermostat and output selector switch.

Accessories

An external start/stop switch can be connected to the Robust F.

Type designation: RST

Degree of protection: IP 65



Overview of range/technical data

Type		F2	F3	F6	F6N	F9	F9N
Power supply	V	230 V~	230 V~	400V 3~	230 V 3~	400V 3~	230 V 3~
Output	W	2000	3000	6000	6000	9000	9000
Output steps	kW	0-1-2	0-2-3	0-3-6	0-3-6	0-4,5-9	0-4,5-9
Current	A	4,4 / 8,8	9,1 / 13,5	4,8 / 9,1	8 / 15,5	6,7 / 13,2	11,6/22,9
Thermostat	°C	0-35°C	0-35°C	0-35°C	0-35°C	0-35°C	0-35°C
Sound level ¹⁾	dBA	48	48	53	53	55	55
Air flow rate	m ³ /h	400	400	700	700	1000	1000
Degree of protection		IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Weight	kg	11	11	13	13	19	19
Width x Height x Depth	mm	300 x 375 x 260	300 x 375 x 260	300 x 375 x 260	300 x 375 x 260	375 x 445 x 295	375 x 445 x 295

1) Measured at a distance of 5 metres in front of the unit.

Design

Casing of stainless steel sheet EN 1.4016, and grille and legs/wall bracket of stainless steel EN 1.4301
 Degree of protection IP 65 (dust-tight and hose-proof).
 Built-in thermostat and output selector switch.
 Simple connection to the power supply by means of plug/socket (not 230 V, 3-phase).

Approvals

The fan heaters have been tested and approved by SEMKO in accordance with:
 LVD Directive: EN 60355-1, EN 60335-2-30 and EN 50366, SEMKO 111FF-1987 and EMKO-TUB(61)N289/90
 EMC Directives: EN 61000-6-2 and EN 61000-6-3
 EMF Directive: EN 50366



ROBUST C

Electric fan heaters for corrosive environments

The Robust C has been developed specifically for wall mounting in corrosive environments such as car wash facilities, sewage treatment plants and industrial plants. The Robust C is of hose-proof design to degree of protection IP 65.

- For humid and corrosive environments
- Casing of acid proof stainless steel
- Grille and legs/bracket of stainless steel
- Degree of protection IP 65 - dust-tight and hose-proof
- For mounting on a wall or for mobile applications

Control

Built-in thermostat and output selector switch.

Accessories

A type RTC control box containing a thermostat and output selector switch can be installed for external control of the Robust C.

Degree of protection: IP 65



Overview of range/technical data

Type		C3	C6	C6N	C9	C9N	C15
Power supply	V	230 V1~	400V 3~	230 V 3~	400V 3~	230 V 3~	400V 3~
Output	W	3000	6000	6000	9000	9000	15000
Output steps	kW	0-2-3	0-3-6	0-3-6	0-4,5-9	0-4,5-9	0-7,5-15
Current	A	9,1/13,5	4,5/8,9	7,8/15,4	6,7/13,2	11,6/22,9	11,2/22
Thermostat	°C	0-35°C	0-35°C	0-35°C	0-35°C	0-35°C	0-35°C
Sound level ¹⁾	dB(A)	48	55	55	55	55	62
Air flow rate	m ³ /h	400	1000	1000	1000	1000	1300
Degree of protection		IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Weight	kg	11	19	19	19	19	20
Width x Height x Depth	mm	300 x 375 x 260	375 x 445 x 295	375 x 445 x 295	375 x 445 x 295	375 x 445 x 295	375 x 445 x 295

1) Measured at a distance of 5 metres in front of the unit.

Design

Casing of acid proof stainless steel sheet EN 1.4404.
Grille, legs/wall bracket and inlet/outlet grilles of stainless steel EN 1.4301.
Degree of protection IP 65 (dust-tight and hose-proof).
Built-in thermostat and output selector switch.
Connection to the power supply by means of plug/socket (not 230V and 230 V, 3-phase).

Approvals

The fan heaters have been tested and approved by SEMKO in accordance with:
LVD Directive: EN 60355-1, EN 60335-2-30 and EN 50366
EMC Directives: EN 61000-6-2 and EN 61000-6-3
EMF Directive: EN 50366



ROBUST H

Electric fan heaters for industrial applications

The Robust H is designed for applications and premises that need to be heated to a maximum of 70°C. The fans are used for applications such as drying and curing processes.

- For high temperatures - up to 70°C
- Degree of protection IP 44 - splash-proof
- For mobile applications or wall mounting

Control

Built-in thermostat and output selector switch.
Connection for external thermostat.

Accessories

The type RTH external thermostat is available as an accessory.

Temperature range: 0 - 70°C.

Degree of protection: IP 65



Overview of range/technical data

Type		H6	H6N	H9
Power supply	V	400V3N~	230 V 3~	400V3N~
Output	W	6000	6000	9000
Output steps	kW	0-3-6	0-3-6	0-4,5-9
Current	A	4,5/8,9	7,8/15,4	6,7/13,2
Thermostat	°C	0-70°C	0-70°C	0-70°C
Sound level ¹⁾	dBA	55	55	55
Air flow rate	m ³ /h	1000	1000	1000
Degree of protection		IP 44	IP 44	IP 44
Weight	kg	19	19	19
Width x Height x Depth	mm	375 x 445 x 295	375 x 445 x 295	375 x 445 x 295

1) Measured at a distance of 5 metres in front of the unit.

Design

Casing of stainless steel sheet EN 1.4016.
Grille and legs/wall bracket of stainless steel to EN 1.4301.
Degree of protection IP 44 (splash-proof).
Built-in output selector switch and thermostat.

Approvals

The fan heaters have been tested and approved by SEMKO in accordance with:
LVD Directive: EN 60355-1, EN 60335-2-30 and EN 50366
EMC Directives: EN 61000-6-2 and EN 61000-6-3
EMF Directive: EN 50366



ROBUST V

Electric fan heaters for marine and offshore applications

The Robust V is designed for use onboard ship and in the offshore industry. The heater elements are electrically insulated from the casing in order to avoid leakage currents.

- Tested and approved by Det Norske Veritas
- Tested for electrical safety and vibrations for use onboard ship
- Strengthened electrical insulation
- Stayed elements and strengthened motor mounting
- Made of stainless steel
- Degree of protection IP 44 - splash-proof
- For mobile applications or wall mounting

Control

Built-in thermostat and output selector switch.

Accessories

A type RTC control box with thermostat and output selector switch can be installed for external control of the Robust V.

Degree of protection: IP 65



The bracket is designed so that the fan heater can also be placed on the floor.

Overview of range/technical data

Type		V3	V3,6	V5	V6
Power supply	V	400V 3~/50 Hz	440V 3~/60 Hz	400V 3~/50 Hz	440V 3~/60 Hz
Output	W	3000	3600	5000	6000
Output steps	kW	0-1,5-3	0-1,8-3,6	0-2,5-5	0-3-6
Current	A	4/4,6	4,4/5,1	6,5/7,5	7,1/8,2
Thermostat	°C	0-35°C	0-35°C	0-35°C	0-35°C
Sound level ¹⁾	dBA	48	48	53	53
Air flow rate	m ³ /h	400	400	700	700
Degree of protection		IP 44	IP 44	IP 44	IP 44
Weight	kg	12	12	12	12
Width x Height x Depth	mm	300 x 375 x 260	300 x 375 x 260	300 x 375 x 260	300 x 375 x 260

1) Measured at a distance of 5 metres in front of the unit.

Design

Casing of stainless steel sheet EN 1.4016
Grille and legs/wall bracket made of stainless steel EN 1.4301.
The elements are electrically insulated from the casing, which eliminates leakage currents.
The element assembly and motor have strengthened mountings to withstand the vibrations onboard ship.
Can be controlled directly with the built-in thermostat and output selector switch on the unit.

Approvals

The fan heaters have been tested and approved by SEMKO in accordance with:
LVD Directive: EN 60355-1, EN 60335-2-30 and EN 50366
EMC Directives: EN 61000-6-2 and EN 61000-6-3
EMF Directive: EN 50366
DNV; PT.4, Ch.8 Electrical installations

