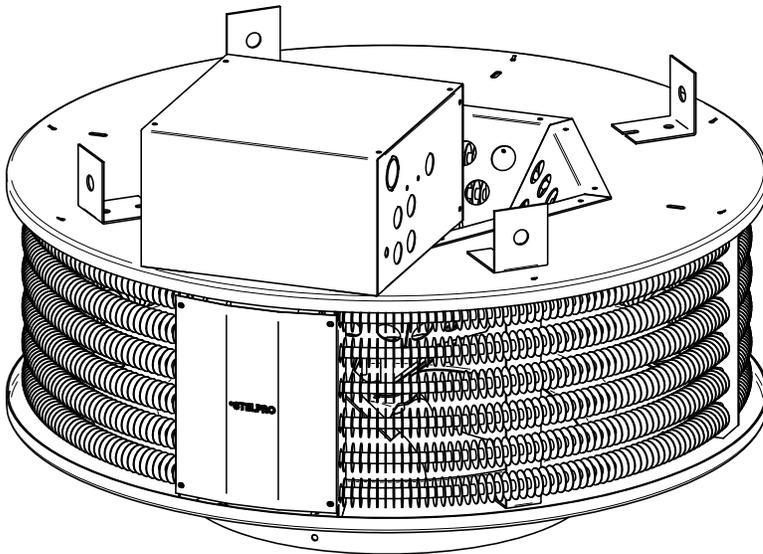
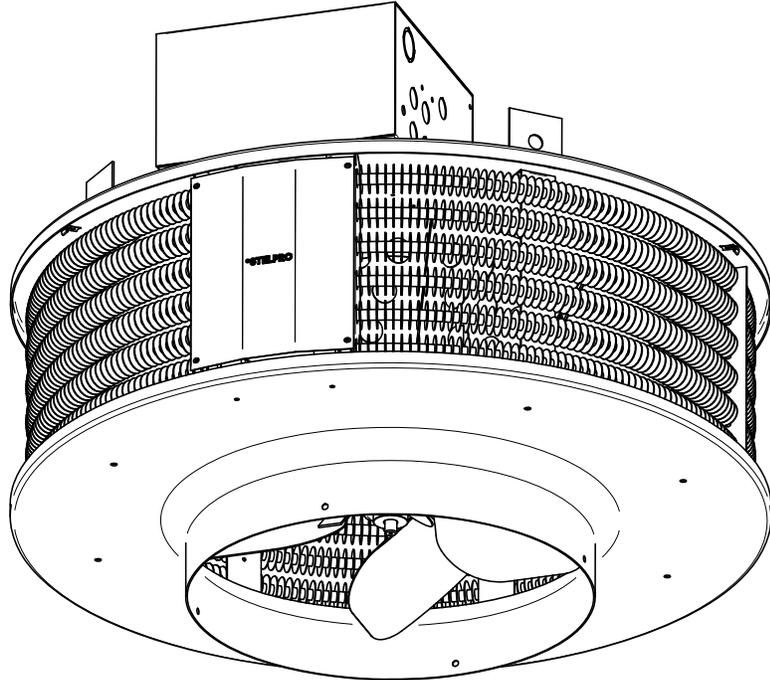




USER'S GUIDE

VUH SERIES VERTICAL UNIT HEATER

REPLACEMENT COMPONENT LIST INCLUDED



OXFORDTM
SERIES | SÉRIE



This unit
complies
with CSA
standards



WARNING

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product.

This product must be installed by a qualified person and connected by a **certified electrician**, according to the **electrical and building codes** effective in your region.

Make sure that all screws and electrical terminal connections are tightly secured before operating the unit in case they would have loosened during transportation.

The following instructions must be adhered to in order to avoid personal injuries or property damages, serious injuries and potentially fatal electric shocks.

Make sure that all screws and electrical terminal connections are tightly secured before operating the unit in case they would have loosened during transportation.

Protect the heating unit with the appropriate circuit breaker or fuse, in accordance with the nameplate.

Make sure the line voltage (volt) is consistent with that indicated on the unit's nameplate.

This unit must be **grounded**.

Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit.

Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

RECOMMENDED HEATING CAPACITY:

1.25 W/cubic foot (0.03 m³).

It corresponds to **10 W/square foot (0.09 m²)** based on a standard ceiling height of 8 feet (2.44 m).

Do not install the unit where objects or pieces of furniture could be heat damaged.

If the unit's capacity is insufficient for the size of the room, it will be in operation continuously, and may become defective earlier and turn yellow.

Respect distances and positions indicated in the installation section.

If the installer or user modifies the unit, they will be held responsible for any damage resulting from this modification, and the CSA certification could be void.

This unit must not come into contact with a water source and must be protected from splashes (e.g. a wet mop). Do not use it if any part has been immersed. Moreover, do not turn it on or off when standing in water or if your hands are wet.

When cutting or drilling into a wall, do not damage electrical wiring and other hidden utilities.

Do not install this product on walls made of synthetic material such as, but not limited to, carpet and wallpaper.

When starting up the unit for the first time or after a long period, it is normal that it produces some temporary odours and whitish smoke.

Because this unit is hot when in use, it may pose risks even in normal operation. Therefore, be **careful** and **responsible** when using it. To avoid burns, do not let bare skin touch hot surfaces. Let the unit cool down for few minutes before handling (it will stay warm for some time after shut-down).

It is the user's responsibility to ensure that objects including, but not limited to, shelves or plastic containers do not come in contact with the unit and to keep them at least **24 inches** (61 cm) from the unit.

Never block air vents. This obstruction could lead to overheating, which could result in a fire.

Do not insert or allow foreign objects to enter any air vent as this may cause electric shocks, a fire, or damages to the unit.

This unit has hot and arcing or sparking parts inside. It is not designed to be used or stored in wet areas or areas containing flammable liquids, combustible materials or corrosive, abrasive, chemical, explosive and flammable substances such as, but not limited to, gasoline, paint, chlorine, sawdust and cleaning products.

Some areas are dustier than others. Thus, it is the user's responsibility to evaluate if the unit must be cleaned based on the amount of dirt accumulated on and inside air vents. Accumulated dirt can lead to a component malfunction or give a yellowish colour to unit. Failure to install and maintain unit in accordance with these instructions poses a fire hazard.

Thermal protection activation indicates that the unit has been subjected to abnormal operating conditions. If the thermal protection remains activated or activates and deactivates repeatedly, it is recommended that a qualified electrician or a certified repair centre examine the unit in order to make sure it is not damaged. (Refer to the limited warranty)

If the unit is damaged or defective, cut off power supply at circuit breaker and call a certified repair centre. (Refer to the limited warranty)

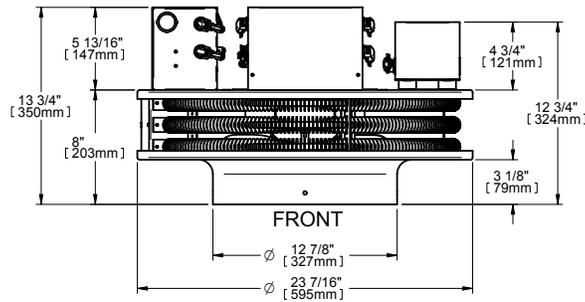
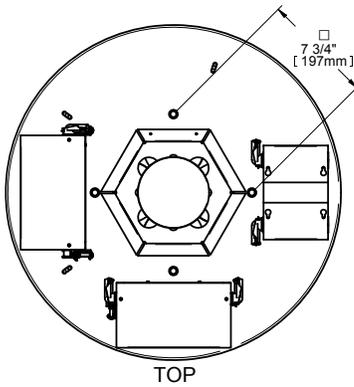
Note: When a part of the product specification must be changed to improve operability or other functions, priority is given to the product specification itself. In such instances, the instruction manual may not entirely match all the functions of the actual product. Therefore, the actual product and packaging, as well as the name and illustration, may differ from the manual.

SPECIFICATIONS

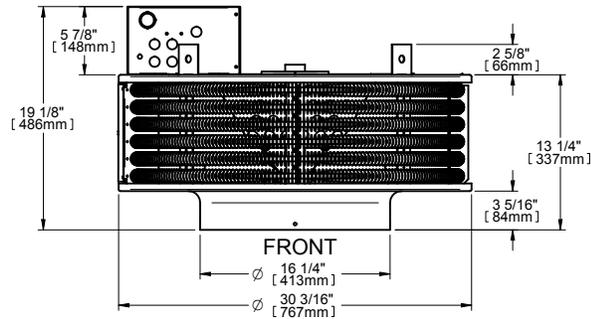
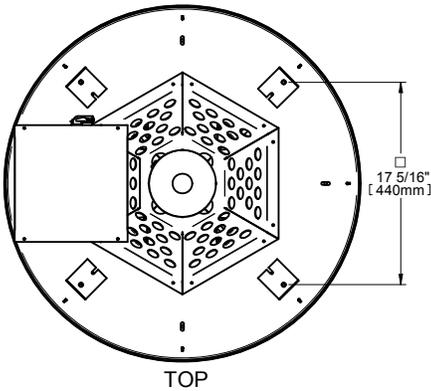
VERTICAL UNIT HEATER			
MODEL	VUH		
WATTS	5 TO 10 KW	15 TO 30 KW	40 TO 60 KW
VOLTS	208 V, 240/208 V, 347 V, 600 V	208 V, 240/208 V, 600 V	600 V
WEIGHT	75 LB / 34 KG	105 LB / 47.6 KG	200 LB / 90.7 KG

TECHNICAL DRAWINGS

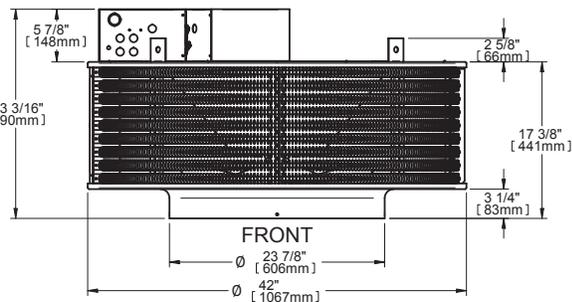
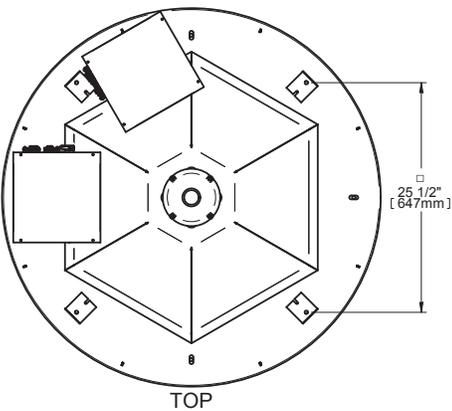
5 KW TO 10 KW



15 KW TO 30 KW



40 KW TO 60 KW



INSTALLATION

For the best results, the following distances should be respected when installing these unit heaters :

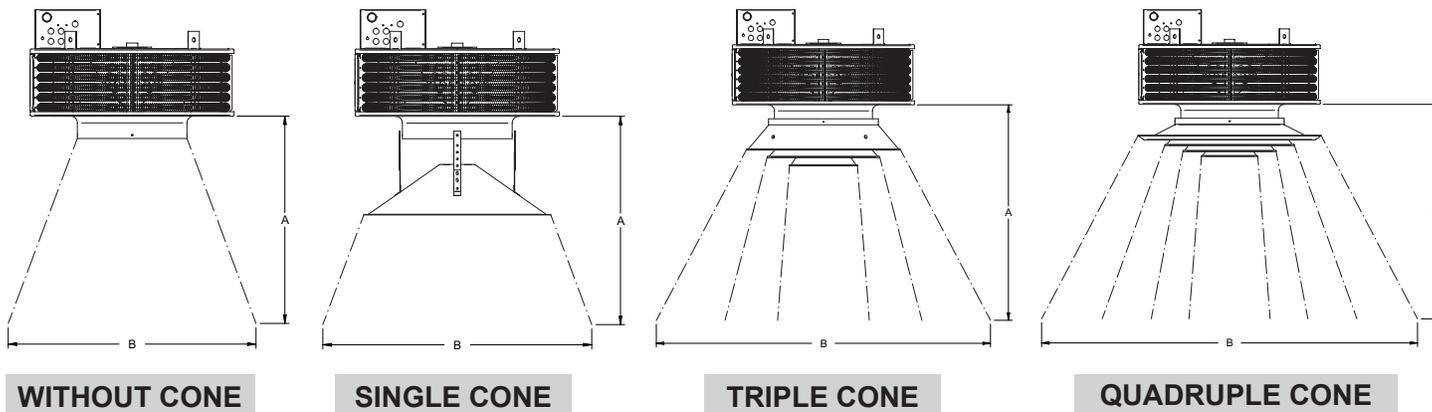
MINIMUM HEIGHT FROM THE FLOOR	MINIMUM DISTANCE FROM THE WALL
8 FT (2.4 M)	24 IN (61 CM)

- When using a wall-mounted thermostat, install the thermostat on an interior wall or beam, away from cold airflow, other internal heat sources or the hot air discharge coming directly from the actual unit heater itself. Make sure to insulate the thermostat when installed on a steel beam.
- These unit heaters are designed to be hung from overhead, with chain, cable, or rigid supports. (not included with heater)
- On top of 5 to 10 kW unit heaters, there is four (koe Ø1/2") 13-thread mounting holes for threaded rods.
- On top of 15 to 60 kW unit heaters, there are four eyebolts for chain suspension.
- Several optional cone diffusers are offered.

See the optional components section to obtain a complete list of cone diffuser available for optional orders.

MOUNTING HEIGHTS VS DIFFUSION SURFACES

kW	WITHOUT CONE				SINGLE CONE				TRIPLE CONE				QUADRUPLE CONE			
	HEIGHT (A)		SURFACE (B)		HEIGHT (A)		SURFACE (B)		HEIGHT (A)		SURFACE (B)		HEIGHT (A)		SURFACE (B)	
	M	FT	M	FT	M	FT	M	FT	M	FT	M	FT	M	FT	M	FT
5-10	3.7	12	5.8	19	3.1	10	6.9	22	3.1	10	9.5	31	3.1	10	10.4	34
15-30	6.1	20	8.3	27	3.7	12	9.5	31	4.2	15	14	46	4.2	15	15.3	50
40-60	9.1	30	14	46	4.9	16	10	33	6.1	20	15	49	6.1	20	17.1	56



OPERATION

This heater must be controlled with a wall thermostat. (Thermostat not included with heater)

ELECTRICAL WIRING

All heaters are factory wired so only field supply wires 90°C and thermostat leads are brought to the heater. Connections are made to contactor or terminal block as shown on wiring diagram inside the powerbox cover. The ground fault protection connection must be made by connecting the green wire originating from the circuit breaker panel to the green screw situated inside the powerbox of the heater.

N.B. This product must be installed by a certified master electrician, in accordance with all local and national building codes.

MAINTENANCE

The motor and element of this heater are protected against overheating by heat sensors called automatic thermal protections (cut-outs). If these thermal protectors are activated continuously, this would indicate that the heater may be defective and it should be verified immediately.

If the heater operates under normal circumstances, it is not necessary to grease the motor. All of the motors installed in this series of unit heaters have been permanently lubricated.

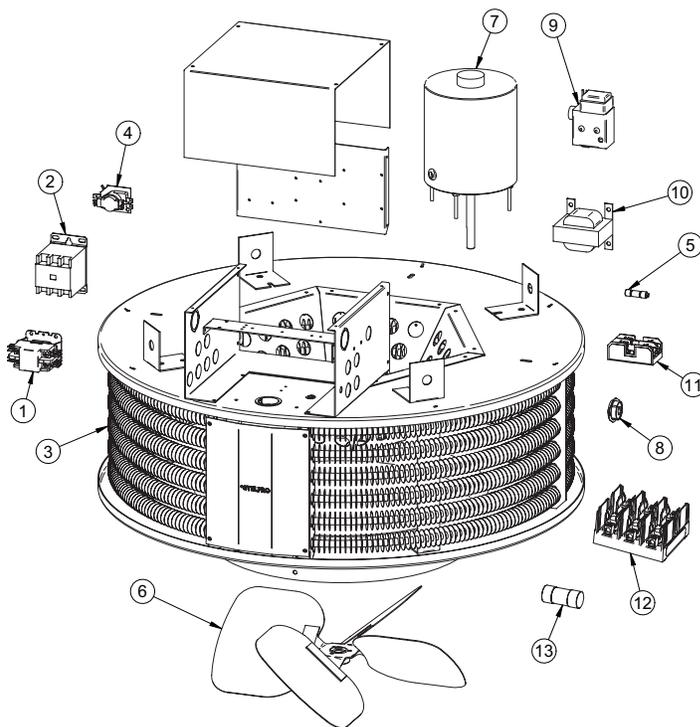
WARNING

- Cut off power supply before manipulating any internal wiring.
- Periodically remove dust and debris from elements and fan blade.
- Do not operate in environments where there are flammable materials.
- Unit heaters must be installed so that they are kept out of the reach of individuals.

REPLACEMENT COMPONENT LIST

REF. #	PART #	DESCRIPTION	MODEL(S)
1	CONT-3022	CONTACTOR 30A/240/208V 2 POLES	15 TO 60 KWV
2	CONT-3512	CONTACTOR 2P/120V/35A RESISTIVE	15 TO 30 KW
2	CONT-3523	CONTACTOR 35A/240/208V 3 POLES	5 TO 30 KW
2	CONT-4013	CONTACTOR 3P/120V/40A RESISTIVE	5 KW
2	CONT-4023	CONTACTOR 40A/240/208V 3 POLES	40 TO 60 KW
2	CONT-5023	CONTACTOR 50A/240/208V 3 POLES	15 TO 30 KW
2	CONT-5099	AUXILIARY CONTACT 15A/600V SERIES 42	15 TO 30 KW
3	EVUH1616	ELEMENT 1666W/600V	5 AND 7,5 KW
3	EVUH1613	ELEMENT 1666W/347V CVB & VUH 5KW	5 KW
3	EVUH1633	ELEMENT 3333W/600V	7,5 AND 10 KW
3	EVUH2625	ELEMENT 2500W/600V	15 KW
3	EVUH2633	ELEMENT 3333W/600V	20 AND 25 KW
3	EVUH2650	ELEMENT 5000W/600V	25 AND 30 KW
3	EVUH3644	ELEMENT 4445W/600V	40 AND 50 KW
3	EVUH3666	ELEMENT 6667W/600V	50 AND 60 KW
3	EVUH2513	ELEMENT 2500W/347V VUH 7.5KW	7.5 KW
3	EVUH3313	ELEMENT 3333W/347V VUH 10KW	5 KW
3	EVUH1618	ELEMENT 1666W/208 VOLTS VUH1	5 KW
3	EVUH2512	ELEMENT 2500W/240V VUH1	7.5 KW
3	EVUH2622	ELEMENT 2500W/240V VUH2	15 KW
3	EVUH2632	ELEMENT 3333W/240V VUH2	15 KW
3	EVUH2638	ELEMENT 3333W/208V VUH2	15 TO 30 KW
3	EVUH2652	ELEMENT 5000W/240V VUH2	15 TO 30 KW
3	EVUH2658	ELEMENT 5000W/208V VUH2	15 TO 30 KW
3	EVUH3312	ELEMENT 3333W/240V VUH1	7.5 KW
3	EVUH3318	ELEMENT 3333W/208V VUH1	10 KW
4	FD-001	FAN DELAY	ALL
5	FS-005	FUSE 15A CLASS CC 600V T.D.	ALL
5	FS-024	FUSE 20A CLASS CC 600VAC T.D.	15 TO 60 KW
6	BLA-015	FAN BLADE 12"	5 KW
6	BLA-017	FAN BLADE 12"	7 AND 10 KW
6	BLA-018	FAN BLADE 16"	15 KW
6	BLA-019	FAN BLADE 16"	20 KW
6	BLA-021	FAN BLADE 16"	25 AND 30 KW
6	BLA-023	FAN BLADE 23"	40 TO 60 KW
7	MO-022	MOTOR 575V 60HZ 0.32A 3PH	15 TO 30 KW
7	MO-028	MOTOR 1/25HP 240V 3PH	5 TO 10 KW
7	MO-029	MOTOR 1/8HP 600V 3PH	15 TO 30 KW
7	MO-030	MOTOR 3/4HP 600V 3PH	40 TO 60 KW
7	MO-068	208-240V, 3.3 / 1.7A, 1/3HP, 1PH, 60HZ, CL.B, 1140 RPM	15 TO 30 KW
8	PROT-016	PROTECTION	5 TO 10 KW
8	PROT-018	PROTECTION	15 TO 60 KW
9	R841C1029	RELAY 240/24V (OPTIONAL)	ALL
9	R841C1169	RELAY MEC. A/TRANSFORMER 208-240/24V	15 TO 30 KW
10	TRF210100	TRANSFORMER 240/120/100VA	20 KW
10	TRF310025D	TRANSFORMER 347-380/120-240/25VA	10 KW
10	TRF320250	TRANSFORMER 347/240V/250VA	10 KW
10	TRF610025D	TRANSFORMER 480-600/120-240/25VA	10 KW
10	TRF610050D	TRANSFORMER 480/600-120/240 50VA	15 TO 30 KW
10	TRF620200C	TRANSFORMER 600/240/200VA	5 TO 10 KW
10	TRF620050C	TRANSFORMER 600/240/50VA	15 TO 60 KW
10	TRF620250C	TRANSFORMER 480-600/120-240/250VA CLOSED (VUH)	10 KW
10	TRF810025D	TRANSFORMER 208-416/120-240/25VA	15 TO 30 KW

REF. #	PART #	DESCRIPTION	MODEL(S)
11	HOLD-005	FUSE HOLDER 2 POLES 600V	ALL
12	HOLD-011	FUSE HOLDER 3 POLES 600V	ALL
13	FS-017	FUSE 50A CLASS J 600VAC, LOW-PEAK, T.D.	15 TO 60 KW
13	FS-027	FUSE 35A CLASS J 600VAC, LOW-PEAK, T.D.	15 TO 60 KW
13	FS-027	FUSE 45A CLASS J 600VAC, LOW-PEAK, T.D.	15 TO 60 KW
13	FS-018	FUSE 60A CLASS J, 600VAC, LOW-PEAK, T.D	15 TO 30 KW
13	FS-016	FUSE 40A CLASS J 600V T.D.	20 KW
13	FS-025	FUSE 30A, TYPE CC 600VAC,T.D	15 TO 30 KW



OPTIONAL COMPONENTS

CONE DIFFUSERS

PART #	CONE	KW
VUHSC1	SINGLE	5-10
VUHSC2	SINGLE	15-30
VUHSC3	SINGLE	40-60
VUH3C1	TRIPLE	5-10
VUH3C2	TRIPLE	15-30
VUH3C3	TRIPLE	40-60
VUH4C1	QUADRUPLE	5-10
VUH4C2	QUADRUPLE	15-30
VUH4C3	QUADRUPLE	40-60

DISCONNECT SWITCHES

# PIECE	DESCRIPTION
SWI-003	VARIO DISCONNECT 63A/3 POLE
SWI-016	DISCONNECT, HANDLE, ROD 700V 100A/ 3POLE
SWI-018	DISCONNECT, HANDLE ROD 700V 200A/3 POLE

ACCESSORIES

PART #	DESCRIPTION
VUHC24	24V CONTROL CIRCUIT
VUHFS	FAN SWITCH

LIMITED WARRANTY

This limited warranty is offered by Stelpro Design Inc. ("Stelpro") and applies to the following product made by Stelpro: model VUH. **Please read this limited warranty carefully. Subject to the terms of this warranty.** Stelpro warrants its products and their components against defects in workmanship and/or materials for the following periods from the date of purchase: **3 years**. This warranty applies only to the original purchaser; it is non-transferable and cannot be extended.

CLAIM PROCEDURE

If at any time during the warranty period the unit becomes defective, you must cut off the power supply at the main electrical panel and contact 1) your installer or distributor, 2) your service center or 3) Stelpro's customer service department. In all cases, you must have a **copy of the invoice** and provide the **information written on the product nameplate**. Stelpro reserves the right to examine or to ask one of its representatives to examine the product itself or any part of it before honoring the warranty. Stelpro reserves the right to replace the entire unit, refund its purchase price or repair a defective part. Please note that repairs made within the warranty period must be authorized in advance in writing by Stelpro and carried out by persons authorized by Stelpro.

Before returning a product to Stelpro, you must have a Stelpro authorization number (RMA). To obtain it, call the customer service department at: **1-800-363-3414** (electricians and distributors - French), **1-800-343-1022** (electricians and distributors - English), or **1-866-766-6020** (consumers). The authorization number must be clearly written on the parcel or it will be refused.

CONDITIONS, EXCLUSIONS AND DISCLAIMER OF LIABILITY

This warranty is exclusive and in lieu of all other representations and warranties (except of title), expressed or implied, and Stelpro expressly disclaims and excludes any implied warranty of merchantability or implied warranty of fitness for a particular purpose.

Stelpro's liability with respect to products is limited as provided above. Stelpro shall not be subject to any other obligations or liabilities whatsoever, whether based on contract, tort or other theories of law, with respect to goods or services furnished by it, or any undertakings, acts or omissions relating thereto. Without limiting the generality of the foregoing, Stelpro expressly disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits, loss of use of equipment, cost of capital, cost of substitute products, facilities or services, shutdowns, slowdowns, or for other types of economic loss or for claims of a dealer's customers or any third party for such damages. Stelpro specifically disclaims all consequential, incidental and contingent damages whatsoever.

This warranty does not cover any damages or failures resulting from: 1) a faulty installation or improper storage; 2) an abusive or abnormal use, lack of maintenance, improper maintenance (other than that prescribed by Stelpro) or a use other than that for which the unit was designed; 3) a natural disaster or an event out of Stelpro's control, including, but not limited to, hurricanes, tornadoes, earthquakes, terrorist attacks, wars, overvoltage, flooding, water damages, etc. This warranty does not cover any accidental or intentional losses or damages, nor does it cover damages caused by negligence of the user or owner of the product. Moreover, it does not cover the cost of disconnection, transport, and installation.

The warranty is limited to the repair or the replacement of the unit or the refund of its purchase price, **at the discretion of Stelpro**. Any parts replaced or repaired within the warranty period with the written authorization of Stelpro will be warranted for the remainder of the original warranty period. This warranty will be considered null and void and Stelpro will have the right to refuse any claims if **products have been altered** without the written authorization of Stelpro and if the nameplate numbers have been removed or modified. This warranty does not cover scratches, dents, corrosion or discoloration caused by excessive heat, chemical cleaning products and abrasive agents. It does not cover any damage that occurred during the shipping.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages and some of them do not allow limitations on how long an implied warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state or from province to province.