

# EU | X-PRO

## EXPLOSION-PROOF UNIT HEATER



**X-PRO**  
SÉRIE/SERIES



### A SAFE WAY TO HEAT

The explosion-proof unit heater from Stelpro's X-pro series is the proven choice for hazardous locations at risk of fire or explosion due to the presence of flammable and hazardous substances. Available with an array of characteristics and options, this explosion-proof unit heater is designed with both safety and versatility in mind.

#### DESIGNED FOR HEATING LOCATIONS CONSIDERED HAZARDOUS

#### LOWEST IGNITION TEMPERATURE CODE RATING IN THE INDUSTRY: T3C, 160°C

#### NON-TOXIC, INHIBITED, PROPYLENE GLYCOL HEAT TRANSFER FLUID

#### LOW 70 PSIG PRESSURE RELIEF VALVE SETTING

#### STAINLESS STEEL OPTION CORROSION-RESISTANT

#### VAST RANGE OF POWERS AVAILABLE

#### COLOUR

- beige

#### FINISH

- powdercoat

#### MANUFACTURING

- robust, 14-gauge galvanized steel cabinet
- adjustable louvers (with minimum opening safety stops)
- thermal protection with automatic reset
- thermal protection with manual reset

#### MOTOR

- explosion-proof double-shielded permanently lubricated ball bearing motor (with automatic reset)
- aluminum fan blade

#### ELEMENTS

- elements immersed in non toxic, inhibited, propylene glycol heat transfer fluid
- low 70 PSIG pressure relief valve

#### CONTROL

- factory mounted
- housed in a NEMA 7 or 9 cast aluminum enclosure
- automatic and manual reset overtemperature cutouts, controlling magnetic contactor and 24 V control circuit transformer included with standard built-in controls

#### INSTALLATION

- wall, ceiling or pole installation using mounting brackets (not included but mandatory; see the accessories table)
- approved installation locations:
  - Class I, Divisions 1 and 2, Groups C and D
  - Class II, Divisions 1 and 2, Groups E (optional), F and G
  - Class I, Zones 1 and 2, Group IIB
  - Temperature code T3C, 160 °C (320 °F)

#### WARRANTY

- one year

#### IDEAL FOR:

HAZARDOUS ENVIRONMENTS\* SUCH AS:

aircraft hangar / service area, chemical storage-handling area, coal preparation plant, compressor station, grain elevator, oil refinery and rig, paint storage area, petrochemical plant, sewage pumping station / treatment plant, paint-spraying booth

\* Please consult your process engineer for proper class division, groups and temperature code needed for your application.

**°STELPRO**

Stelpro reserves the right to modify descriptions, manufacturing specifications or prices without prior notice. No returns accepted on optional-colour products. For all the latest models and prices, please refer to our website at [www.stelpro.com](http://www.stelpro.com).



# OPTIONS AND ACCESSORIES DESCRIPTION

CODE	DESCRIPTION
C1	<u>316 STAINLESS STEEL CORROSION-RESISTANT CONSTRUCTION (WASTEWATER TREATMENT PLANTS)</u> 316 stainless steel heat exchanger with aluminum fins, 316 stainless steel cabinet; aluminum fan blade; cast aluminum NEMA 7 or 9 control enclosure; corrosion resistant hardware; corrosion-resistant protective-coated motor, which has passed the ASTM B117 salt-spray test.
C2	<u>DIRTY DUTY CORROSION-RESISTANT CONSTRUCTION (CHEMICAL PLANTS)</u> Heresite®, coated heat exchanger, cabinet and fan blade; cast aluminum NEMA 7 or 9 control enclosure; corrosion-resistant hardware; corrosion-resistant protective-coated motor that has passed the ASTM B117 salt-spray test. For installation in chemical treatment plants where chlorine is present.
D	<u>DISCONNECT SWITCH</u> Factory installed on the unit heater above the control switch located on the unit. Meets NEC/CEC requirements for a disconnect.
E	<u>GROUP E (METAL DUST) CONSTRUCTION</u> Class II, Group E (metal dust), construction temperature code T3C, 160 °C (320 °F).
K	<u>“WARNING” PILOT LIGHT</u> Indicates when the thermal cutouts have tripped and the unit heater needs servicing.
L	<u>“HEATER ON” PILOT LIGHT</u> Indicates when the electric heating elements are energized.
M	<u>THERMAL PROTECTION WITH MANUAL RESET, WITH BACKUP CONTACTOR</u> A pilot duty thermal protection with manual reset with a backup contactor is provided for independent secondary overtemperature protection. This option cannot be provided if option codes S or V are also specified.
S	<u>AUTO/FAN SELECTOR SWITCH</u> A two-position switch wired to the control circuit for auto (automatic heat) and fan only control. This selector switch cannot be provided if option codes M or V are also specified.
T	<u>ADJUSTABLE THERMOSTAT</u> Factory installed and prewired to the control enclosure. Thermostat is adjustable from the 10 °C to 32 °C (50 °F to 90 °F) range.
V	<u>120 VOLT CONTROL CIRCUIT, FUSED SECONDARY AND GROUNDED</u> Can be provided when required for special external thermostat circuit. This option cannot be provided if option codes S or M are also specified nor can both K and L be specified.

# ACCESSORIES

PRODUCT	DESCRIPTION	PRICE
EU-C1	stainless steel construction – anti corrosion for wastewater treatment plants	3862.00
EU-C2	dirty duty corrosion resistant for chemical plants	5072.00
EU-CMK	ceiling mounting kit – standard	187.00
EU-PMK	pole mounting kit – standard	333.00
EU-WMK	wall mounting kit – standard	333.00
EU-CMK-SS	corrosion-resistant ceiling mounting kit (stainless steel – for C1 or C2 options)	759.00
EU-PMK-SS	corrosion-resistant pole mounting kit (stainless steel – for C1 or C2 options)	759.00
EU-WMK-SS	corrosion-resistant wall mounting kit (stainless steel – for C1 or C2 options)	759.00
EU-D15	disconnect switch factory installed up to 480 V max 15 A (1 and 3 phases)	1420.00
EU-D30	disconnect switch factory installed up to 277 V max 30 A (1 phase)	1420.00
EU-D60	disconnect switch factory installed up to 600 V max 60 A (1 and 3 phases)	2080.00
EU-E	group E construction (metal dust)	882.00
EU-K	warning pilot light	882.00
EU-L	heater on pilot light	882.00
EU-M	secondary thermal protection with manual reset and backup contactor	338.00
EU-S	auto/fan selector switch	969.00
EU-V	120 V control circuit, fused, secondary, grounded	253.00
ST-XPROEU	wall-mounted 24 V thermostat [125 V-277 V @ 22 A]; Classes I and II, Divisions 1 and 2, Groups C, D, E, F and G; 10-32 °C	546.00

# TECHNICAL SPECIFICATIONS

WITHOUT CONTROL		BUILT-IN THERMOSTAT		POWER	VOLTAGE	PHASE	AMPERAGE	AIR FLOW	THROW DISTANCE	MOTOR	FREQUENCY	APPROX. AIR TEMPERATURE RISE ( $\Delta T$ )	
CODE	PRICE	CODE	PRICE	KILOWATTS	VOLTS	NB.	AMPERES	CFM	M	FT.	HP	HZ	$^{\circ}\text{C}$ ( $^{\circ}\text{F}$ )
EU233-CA-0036C	5349.00	EU233-CA-0036C-T	5894.00	3	208	1	17	650	4.6	15	1/4	60	8 (15)
EU233-CA-0036J	5349.00	EU233-CA-0036J-T	5894.00	3	240	1	15	650	4.6	15	1/4	60	8 (15)
EU233-CA-0036D	5349.00	EU233-CA-0036D-T	5894.00	3	208	3	10	650	4.6	15	1/4	60	8 (15)
EU233-CA-0036K	5349.00	EU233-CA-0036K-T	5894.00	3	240	3	9	650	4.6	15	1/4	60	8 (15)
EU233-CA-0036Z	5349.00	EU233-CA-0036Z-T	5894.00	3	600	3	4	650	4.6	15	1/4	60	8 (15)
EU233-CA-0056C	5543.00	EU233-CA-0056C-T	6091.00	5	208	1	26	650	4.6	15	1/4	60	13 (25)
EU233-CA-0056J	5543.00	EU233-CA-0056J-T	6091.00	5	240	1	23	650	4.6	15	1/4	60	13 (25)
EU233-CA-0056D	5543.00	EU233-CA-0056D-T	6091.00	5	208	3	16	650	4.6	15	1/4	60	13 (25)
EU233-CA-0056K	5543.00	EU233-CA-0056K-T	6091.00	5	240	3	14	650	4.6	15	1/4	60	13 (25)
EU233-CA-0056Z	5543.00	EU233-CA-0056Z-T	6091.00	5	600	3	6	650	4.6	15	1/4	60	13 (25)
EU233-CA-0086C	5941.00	EU233-CA-0086C-T	6488.00	7.5	208	1	38	850	7.6	25	1/4	60	16 (28)
EU233-CA-0086J	5941.00	EU233-CA-0086J-T	6488.00	7.5	240	1	34	850	7.6	25	1/4	60	16 (28)
EU233-CA-0086D	5941.00	EU233-CA-0086D-T	6488.00	7.5	208	3	23	850	7.6	25	1/4	60	16 (28)
EU233-CA-0086K	5941.00	EU233-CA-0086K-T	6488.00	7.5	240	3	20	850	7.6	25	1/4	60	16 (28)
EU233-CA-0086Z	5941.00	EU233-CA-0086Z-T	6488.00	7.5	600	3	9	850	7.6	25	1/4	60	16 (28)
EU233-CA-0106J	6347.00	EU233-CA-0106J-T	6890.00	10	240	1	44	850	7.6	25	1/4	60	21 (38)
EU233-CA-0106D	6347.00	EU233-CA-0106D-T	6890.00	10	208	3	30	850	7.6	25	1/4	60	21 (38)
EU233-CA-0106K	6347.00	EU233-CA-0106K-T	6890.00	10	240	3	26	850	7.6	25	1/4	60	21 (38)
EU233-CA-0106Z	6347.00	EU233-CA-0106Z-T	6890.00	10	600	3	11	850	7.6	25	1/4	60	21 (38)
EU233-CB-0156D	6547.00	EU233-CB-0156D-T	7091.00	15	208	3	44	1800	13.7	45	1/4	60	15 (27)
EU233-CB-0156K	6547.00	EU233-CB-0156K-T	7091.00	15	240	3	38	1800	13.7	45	1/4	60	15 (27)
EU233-CB-0156Z	6547.00	EU233-CB-0156Z-T	7091.00	15	600	3	16	1800	13.7	45	1/4	60	15 (27)
EU233-CB-0206Z	6955.00	EU233-CB-0206Z-T	7499.00	20	600	3	21	1800	13.7	45	1/4	60	19 (35)
EU233-CC-0256Z	7614.00	EU233-CC-0256Z-T	8160.00	25	600	3	25	3110	19.8	65	1/2	60	14 (26)
EU233-CC-0306Z	8080.00	EU233-CC-0306Z-T	8627.00	30	600	3	30	3850	22.9	75	1/2	60	13 (25)

Models also available in 480 V.

## DIMENSIONS AND WEIGHT

UNITS OF	WIDTH		HEIGHT		DEPTH		WEIGHT	
	CM	IN.	CM	IN.	CM	IN.	KG	LB
3 TO 10	40.8	16 1/16	49.2	19 3/8	55.2	21 3/4	49.9	110
15 TO 20	51.3	20 3/16	59.4	23 3/8	55.2	21 3/4	68.0	150
25 TO 30	61.4	24 3/16	69.5	27 3/8	53	20 7/8	86.2	190

## TECHNICAL DRAWINGS

