

# SUBMITTAL DATA

**Schwank**  
INNOVATIVE HEATING SOLUTIONS



## SCHWANK GAS FIRED INFRA-RED HEATERS SERIES

### SUPRASCHWANK-40

HIGH EFFICIENCY  
COMBINED INTENSITY

PROJECT:	
ENGINEER:	
CONTRACTOR:	
DISTRIBUTOR:	
SCHWANK MODEL #:	
FUEL:	<input type="checkbox"/> N.G. <input type="checkbox"/> L.P.G.
APPROVED BY:	
DATE:	
APPROVAL #:	



**NOTICE:**

Schwank reserves the right to make changes to equipment and specifications without obligation or notification.

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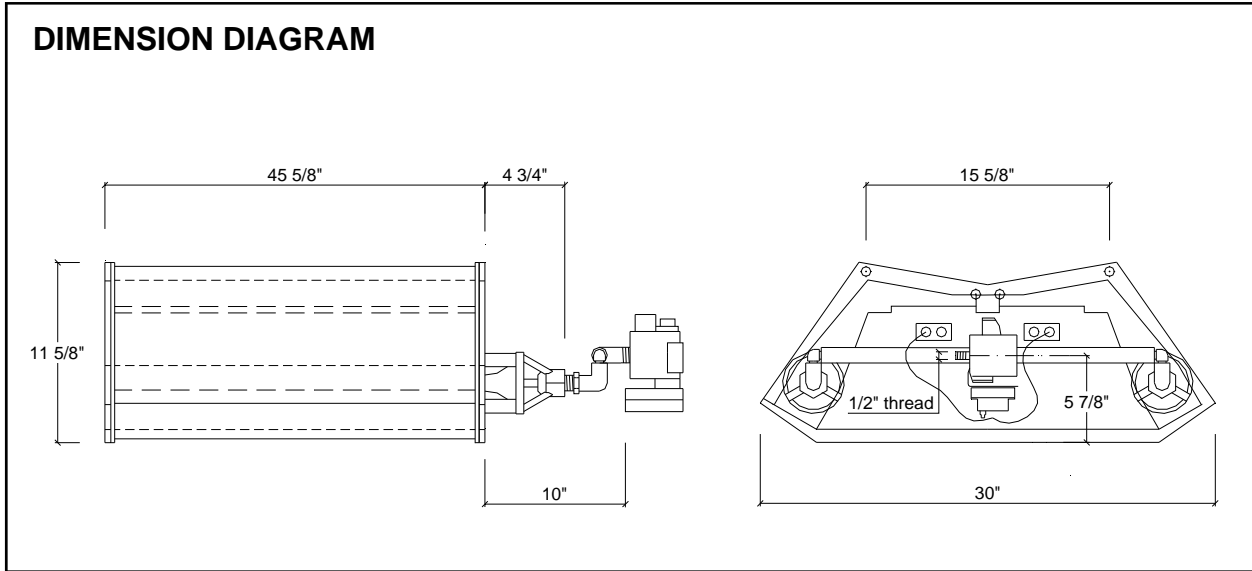
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**DIAGRAMS AND SPECIFICATIONS:**

**COMBINED INTENSITY HEATERS**

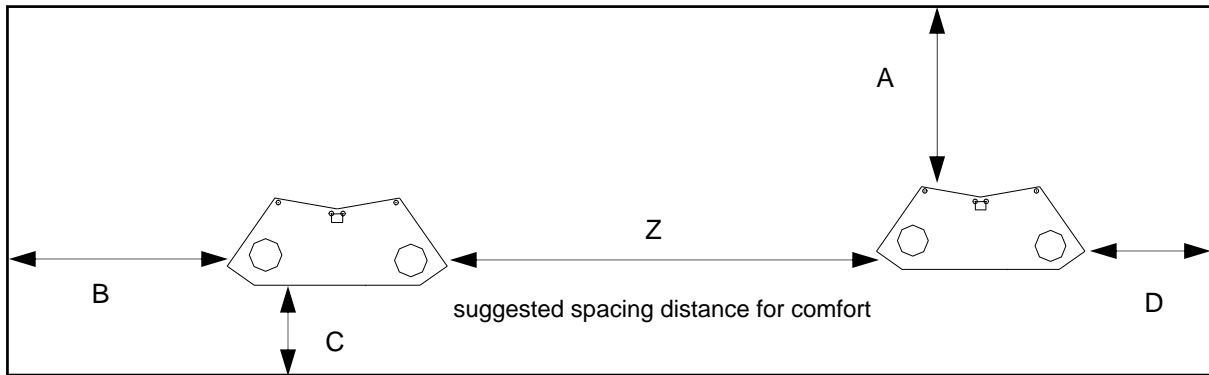


**SPECIFICATIONS**

QTY	MODEL	DIMENSION A	CAPACITY (BTU/H)		WEIGHT LBS
			INPUT	OUTPUT	
	supraSchwank- 40	45 5/8"	118,000	95,600	120

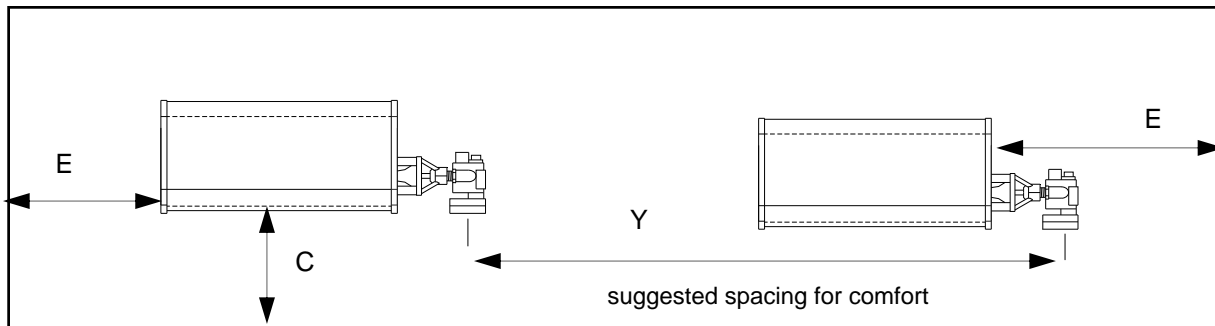
GAS SUPPLY	NATURAL GAS	MINIMUM LINE PRESS	6" w.c.	1/2" GAS INLET PIPE SIZE
		MAXIMUM LINE PRESS	14" w.c.	
		MANIFOLD PRESSURE	5" w.c.	
	PROPANE GAS	MINIMUM LINE PRESS	12" w.c.	1/2" GAS INLET PIPE SIZE
		MAXIMUM LINE PRESS	14" w.c.	
		MANIFOLD PRESSURE	10" w.c.	

**HORIZONTAL MOUNTING DIAGRAM FOR COMBINED INTENSITY HEATERS:**



**CSA APPROVED MINIMUM CLEARANCE TO COMBUSTIBLES :**

QTY	MODEL	HTR BOTTOM < C >	HTR FRONT < B >	HTR ENDS < E >	HTR TOP < A >	HTR REAR < D >
	supraSchwank – 40	110"	40"	48"	20"	40"

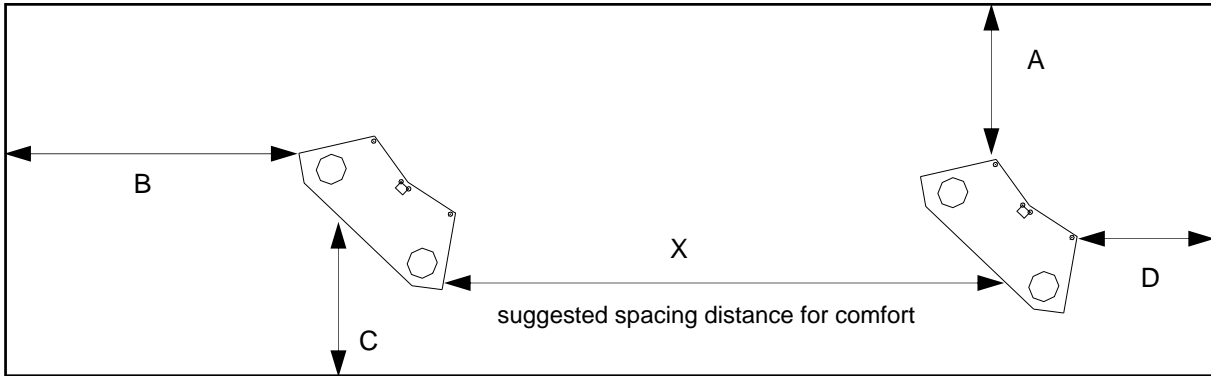


**SUGGESTED MOUNTING DISTANCES FOR COMFORT\***

QTY	MODEL	MINIMUM FLOOR HEIGHT < B >	MAXIMUM DISTANCE BETWEEN HEAT- ERS < Z >	MAXIMUM DISTANCE BETWEEN ROWS < Y >
	supraSchwank 40	28' - 34'	130'	22' - 40'

\*These Mounting distances are suggested and are subject to on site conditions. If in doubt, please contact your Schwank distributor.

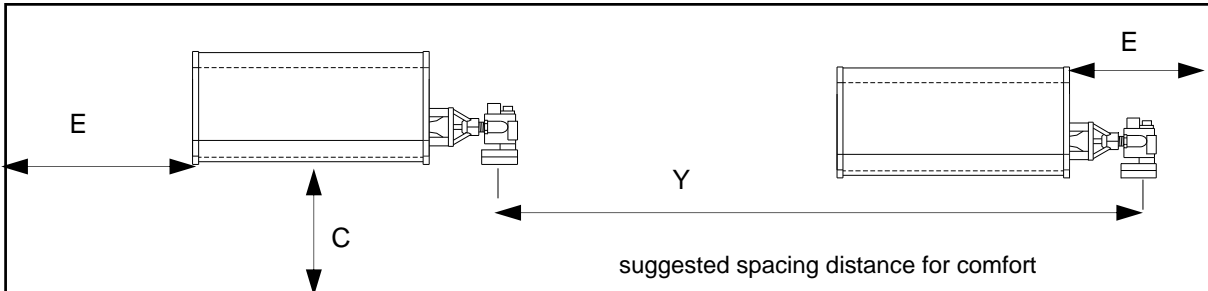
**UP TO 45° ANGLE MOUNTING DIAGRAM FOR THE COMBINED INTENSITY HEATERS**



**CSA APPROVED MINIMUM CLEARANCE TO COMBUSTIBLES :**

QTY	MODEL	REAR OF HEATER < D >	TOP OF HEATER < A >	FRONT OF HEATER < B >	ENDS OF HEATER < E >	BOTTOM OF HEATER < C >
	supraSchwank - 40	8"	48"	78"	48"	36"

**SUGGESTED MOUNTING DISTANCE FROM BURNER FOR COMFORT\*\***



QTY	MODEL	MINIMUM FLOOR HEIGHT < C >	MAXIMUM DISTANCE BETWEEN HEATERS < Z >	MAXIMUM DISTANCE BETWEEN ROWS < Y >
	supraSchwank-40	28'-34'	130'	22-40'

\*\* These mounting distances are suggested and are subject to on site conditions. If in doubt, please contact your Schwank distributor.

**COMPONENT DESCRIPTION:**

<b>THERMOSTAT</b>	<input type="checkbox"/> SCHWANK TRU-TEMP SET BACK STAT - WITH RADIANT & AMBIENT SENSORS AND AUTOMATIC UNOCCUPIED MODE <input type="checkbox"/> SCHWANK THERMOCONTROL PLUS <input type="checkbox"/> 120 VOLT LINE VOLTAGE <input type="checkbox"/> 24 VOLTS
<b>IGNITION:</b>	<input type="checkbox"/> DIRECT SPARK MODULE <input type="checkbox"/> OTHER _____
<b>COMBINATION GAS VALVE:</b>	<input type="checkbox"/> 24 VOLT <input type="checkbox"/> NATURAL GAS 5" W.C. MANIFOLD PRESSURE <input type="checkbox"/> PROPANE 11" W.C. MANIFOLD PRESSURE <input type="checkbox"/> OTHER _____
<b>REFLECTORS</b>	ALUMINUM, COLD BONDED CLAD STEEL
<b>VENTURI TUBE:</b>	ALUMINIZED STEEL BUILT INTO DOUBLE WALL REFLECTOR TO SUPPLY PRE-HEATED COMBUSTION AIR.
<b>INSULATION:</b>	CERAMIC HIGH TEMPERATURE INSULATION COVERED WITH ALUMINIZED STEEL TO MINIMIZE LOSSES TO CONVECTION HEAT.
<b>BURNER</b>	DOUBLE WITH COMPLETE IGNITION / SENSING SYSTEM
<b>CERAMIC TILE</b>	SCHWANK EFFECT TILE 14/4 WITH INCREASED SURFACE INDENTATIONS AND HARD FINISHED EDGES
<b>TILE RETAINERS</b>	ALUMINIZED STEEL WITH SLIDE OPENING FOR SERVICING.
<b>COMBUSTION</b>	"COLD STATE" COMBUSTION OF 1,100 DEGREES CELSIUS TO ENSURE MINIMUM EMISSIONS