



**SVC SUPER VERSATILE COMBINATION BURNER
HIGH VELOCITY SQUARE REFRACTORY TILE**

NATURAL GAS OPERATION

SPECIFICATIONS		MODEL NUMBER				
		115	120	125	130	140
H I G H F I R E	Max. Input @ 10% Excess Air (Btu/hr)	407,000	626,000	1,050,000	1,220,000	2,170,000
	Max. Air Flow @ 16 osig (scfh)	4,210	6,480	10,900	12,600	22,500
	Max. Excess Air (%)	1,450	1,200	1,460	1,930	4,000
	Flame Length @ Max. Input (in.)	24	24	30	46	62
L O W F I R E	Max. Input @ 10% Excess Air (Btu/hr)	56,100	90,800	117,000	135,000	251,000
	Air Flow @ 0.17 osig (scfh)	580	940	1,210	1,400	2,600
	Max. Excess Air (%)	650	400	430	730	500

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G., and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level.
3. Static air pressures measured at the burner air inlet pressure tap.
4. Flame lengths measured from the end of the burner tile.
5. All data based on industry standard air and gas piping practices.
6. A lean air/fuel ratio is recommended at low fire.
7. Burners can be operated up to a static air pressure of 20 osig; consult Hauck.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

No. 2 FUEL OIL OPERATION

CAPACITIES

SPECIFICATIONS		MODEL NUMBER				
		115	120	125	130	140
H I G H F I R E	Max. Input @ 20% Excess Air (Btu/hr)	348,000	558,000	929,000	1,110,000	1,870,000
	Max. Air Flow @ 16 osig (scfh)	4,060	6,500	10,800	12,800	21,800
	Max. Excess Air (%)	270	250	390	325	240
	Flame Length @ Max. Input (in)	21	26	32	36	46
L O W F I R E	Max. Input @ 20% Excess Air (Btu/hr)	67,800	113,000	180,000	236,000	438,000
	Air Flow (scfh)	790 (@ 0.3 osig)	1,320 (@ 0.3 osig)	2,100 (@ 0.6 osig)	2,750 (@ 0.6 osig)	5,100 (@ 0.6 osig)
	Max. Excess Air (%)	20	95	100	110	185

NOTES:

1. Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Static air pressures measured at the burner air inlet pressure tap.
4. Flame lengths measured from the end of the burner tile.
5. All data based on industry standard air and oil piping practices.
6. A lean air/fuel ratio is recommended at low fire.
7. Excess fuel firing not recommended on No. 2 fuel oil.
8. Burners can be operated up to a static air pressure of 20 osig; consult Hauck.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

NATURAL GAS OPERATION

SPECIFICATIONS		MODEL NUMBER				
		115	120	125	130	140
H I G H F I R E	Max. Input @ 10% Excess Air (kW)	108	166	278	323	574
	Max. Air Flow @ 6900 Pa (nm ³ /hr)	113	174	292	338	603
	Max. Excess Air (%)	1,450	1,200	1,460	1,930	4,000
	Flame Length @ Max. Input (mm)	610	610	762	1,170	1,580
L O W F I R E	Max. Input @ 10% Excess Air (kW)	14.8	24	30.9	35.7	66.4
	Air Flow @ 73 Pa (nm ³ /hr)	15.5	25.2	32.4	37.5	69.6
	Max. Excess Air (%)	650	400	430	730	500

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G., and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level.
3. Static air pressures measured at the burner air inlet pressure tap.
4. Flame lengths measured from the end of the burner tile.
5. All data based on industry standard air and gas piping practices.
6. A lean air/fuel ratio is recommended at low fire.
7. Burners can be operated up to a static air pressure of 8620Pa; consult Hauck.

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

(No. 2 Fuel Oil Operation on Reverse Side.)

CAPACITIES (kW)

No. 2 FUEL OIL OPERATION

SPECIFICATIONS		MODEL NUMBER				
		115	120	125	130	140
H I G H F I R E	Max. Input @ 20% Excess Air (kW)	95.9	154	256	306	515
	Max. Air Flow @ 6900 Pa (nm ³ /hr)	109	174	289	343	584
	Max. Excess Air (%)	270	250	390	325	240
	Flame Length @ Max. Input (mm)	533	660	813	914	1,170
L O W F I R E	Max. Input @ 20% Excess Air (kW)	18.7	31.1	49.6	65	121
	Air Flow (nm ³ /hr)	21.2 (@ 129 Pa)	35.4 (@ 129 Pa)	56.3 (@ 259 Pa)	73.7 (@ 259 Pa)	137 (@ 259 Pa)
	Max. Excess Air (%)	20	95	100	110	185

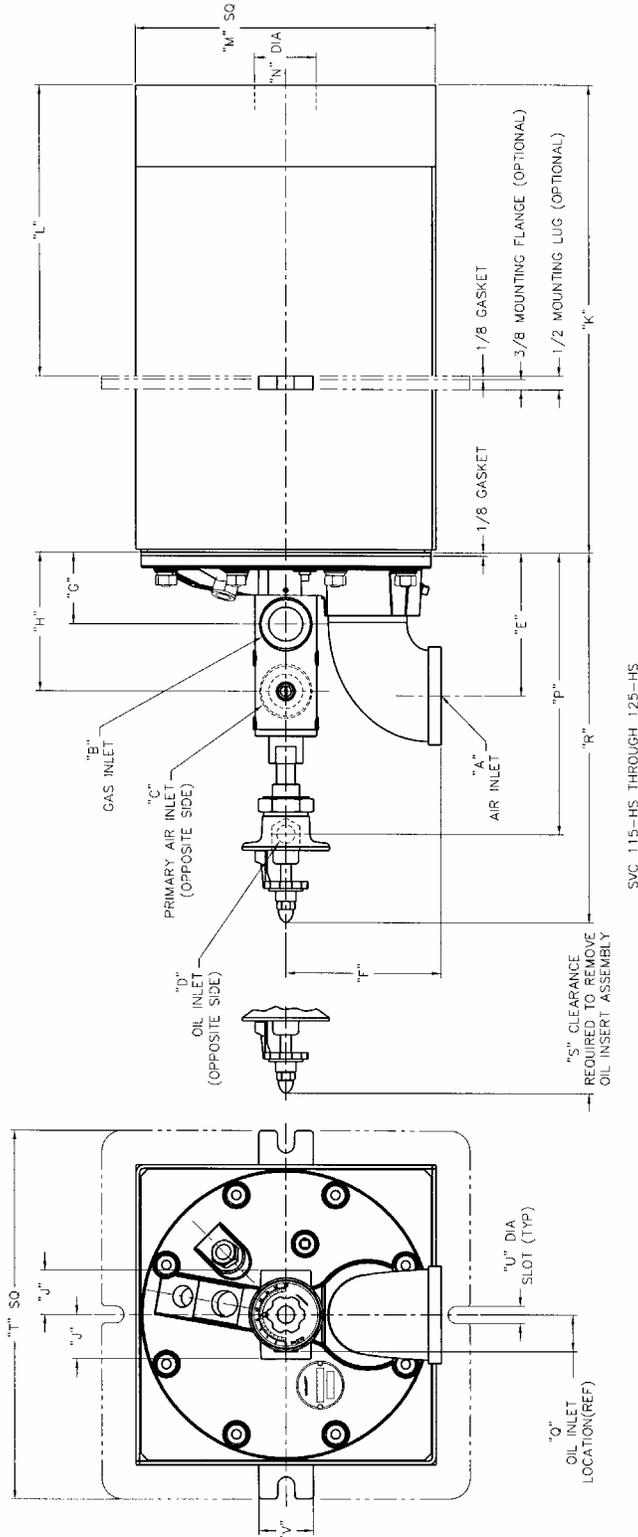
NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Static air pressures measured at the burner air inlet pressure tap.
4. Flame lengths measured from the end of the burner tile.
5. All data based on industry standard air and oil piping practices.
6. A lean air/fuel ratio is recommended at low fire.
7. Excess fuel firing not recommended on No. 2 fuel oil.
8. Burners can be operated up to a static air pressure of 8620 Pa; consult Hauck.

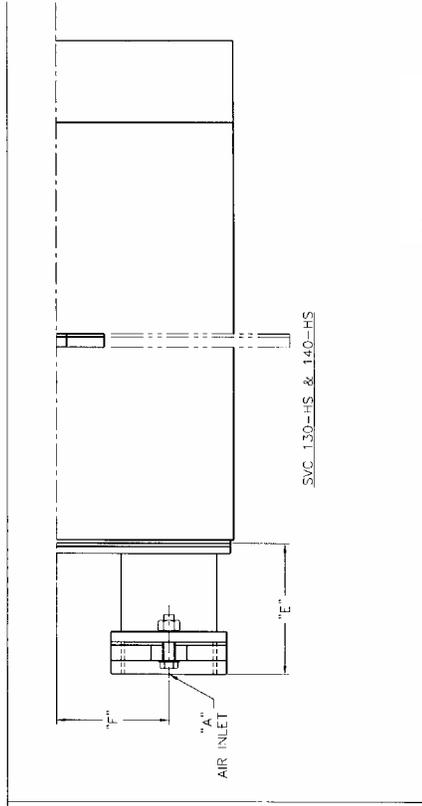


DIMENSIONS

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE



SVC 115-HS THROUGH 125-HS



SVC 130-HS & 140-HS

X7815
(NOT TO SCALE)

MODEL NO.	A	B	C	D	E	F	G
SVC 115-HS	1 1/2 NPT	3/4 NPT	3/4 NPT	3/8 NPT	3 25/32	5 15/16	2 3/4
SVC 120-HS	2 NPT	1 NPT	1 NPT	3/8 NPT	4 13/16	5 1/4	2 5/8
SVC 125-HS	2 1/2 NPT	1 NPT	1 NPT	3/8 NPT	5 1/4	5 11/16	2 5/8
SVC 130-HS	3 NPT	1 1/4 NPT	1 1/4 NPT	3/8 NPT	4 3/4	4 1/8	2 3/8
SVC 140-HS	4 NPT	1 1/2 NPT	1 1/2 NPT	3/8 NPT	5 1/16	5	2 3/8

H	J	K	L (MIN-MAX)	M	N	P	Q
5 3/8	1 3/8	13 5/8	3 1/4 - 12 3/4	7 1/2	1 7/16	10 19/32	1 19/32
5 3/32	1 5/8	16 1/16	3 1/4 - 15	11	1 7/8	10 3/8	1 19/32
5 3/32	1 5/8	17 3/16	3 1/4 - 16 1/4	11	2 1/4	10 3/8	1 19/32
5 13/16	3 5/16	18 7/16	3 1/4 - 17 1/2	13	2 3/4	11 3/8	1 7/8
5 13/16	3 9/16	21 15/16	3 1/4 - 21	16	3 5/8	11 3/8	1 7/8

R	S	T	U	V	APPROX. NET WT.
13 13/16	9	10	5/8	2	80 LB
13 19/32	10 1/8	13 1/2	5/8	2	180 LB
13 19/32	10 1/8	13 1/2	5/8	2	185 LB
14 3/4	11 1/2	17 1/8	3/4	3 1/2	250 LB
14 3/4	11 1/2	20 1/8	3/4	3 1/2	430 LB

NOTE:
1. BURNER MOUNTING FLANGE LOCATION "L" IS AVAILABLE IN 1/4" INCREMENTS WITHIN THE LISTED MIN-MAX RANGE AND MUST BE SPECIFIED.

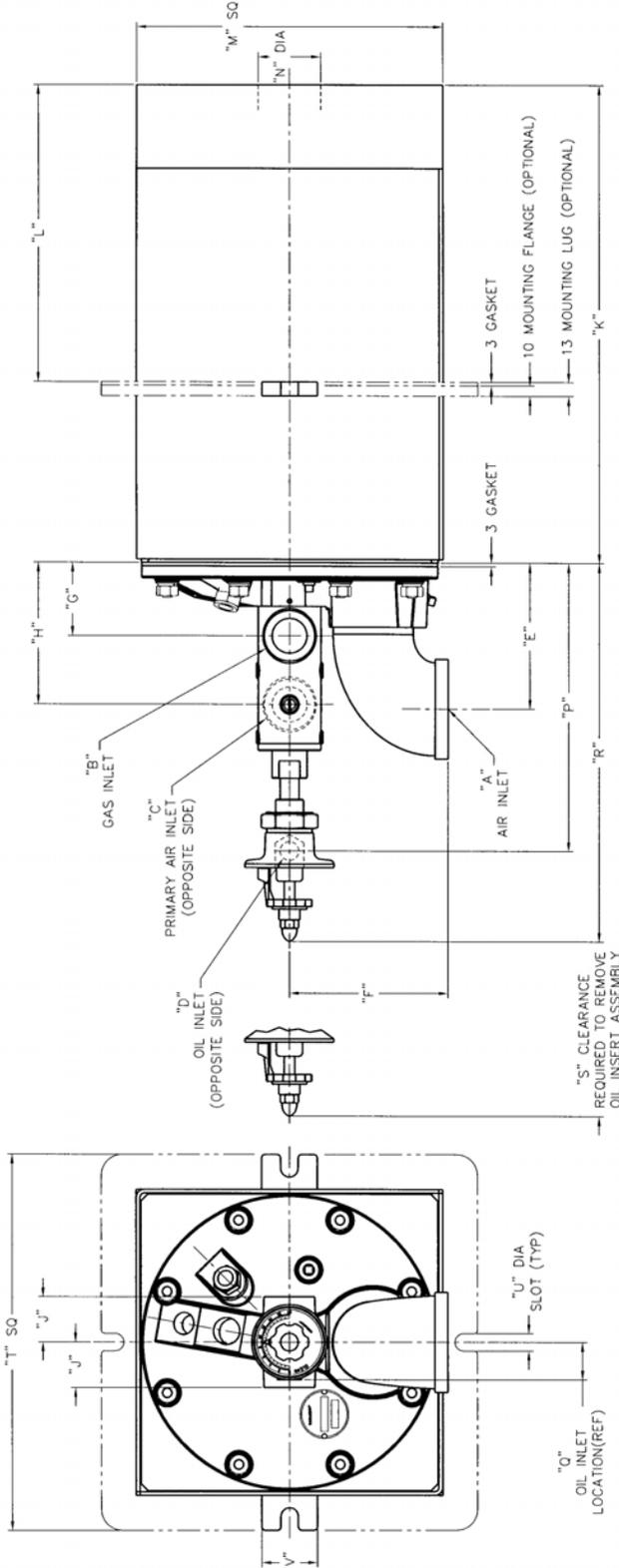
(See Reverse Side For Metric Dimensions)

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HAUCK MANUFACTURING CO., P.O. Box 90 Lebanon, PA 17042-0090 717-272-3051

METRIC DIMENSIONS

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE



SVC 115-HS THROUGH 125-HS

MODEL NO.	A	B	C	D	E	F	G
SVC 115-HS	1 1/2 NPT	3/4 NPT	3/8 NPT	3/8 NPT	96	100	70
SVC 120-HS	2 NPT	1 NPT	3/8 NPT	122	133	133	67
SVC 125-HS	2 1/2 NPT	1 NPT	3/8 NPT	133	144	144	67
SVC 130-HS	3 NPT	1 1/4 NPT	3/8 NPT	121	105	105	60
SVC 140-HS	4 NPT	1 1/2 NPT	3/8 NPT	129	127	127	60

H	J	K	L (MIN-MAX)	M	N	P	O
137	35	346	83 - 324	191	37	269	40
129	41	408	83 - 381	279	48	264	40
129	41	437	83 - 413	279	57	264	40
148	84	468	83 - 445	330	70	289	48
148	91	557	83 - 533	406	92	289	48

R	S	T	U	V	APPROX. NET WT.
351	229	254	16	51	36 KG
345	257	343	16	51	82 KG
345	257	343	16	51	84 KG
375	292	435	19	89	113 KG
375	292	511	19	89	195 KG

X7815 METRIC
(NOT TO SCALE)

NOTE:
1. BURNER MOUNTING FLANGE LOCATION "L" IS AVAILABLE IN 6.35MM INCREMENTS WITHIN THE LISTED MIN-MAX RANGE AND MUST BE SPECIFIED.



SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 115 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 10% Excess Air (Btu/hr)	56,100	104,000	204,000	285,000	352,000	407,000	452,000
Max. Air Flow (Not Firing) (scfh)						4,710	
Primary Air Pressure @ Burner ("wc)	2	2	2	2	2	2	2
Primary Air Flow (scfh)	80	80	80	80	80	80	80
Pilot Air Flow (scfh)	70	70	70	70	70	70	70
Total Air Flow (scfh)	580	1,080	2,110	2,950	3,640	4,210	4,680
Burner Air Orifice ΔP ("wc)	0.2	1.1	4.3	8.9	13.6	18.3	23.0
Gas Inlet (Tile) Pressure ("wc)	0.2	0.9	3.1	5.6	8.4	11.1	13.5
Max. Excess Air (%)	650	1,280	1,510	1,770	1,440	1,450	1,450
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (in)	12	14	16	20	22	24	26
Flame Diameter (in)	3	3	4	4	4	4	4

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

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SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 115 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
		0.3 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 20% Excess Air	(Btu/hr)	67,800	98,700	173,000	239,000	293,000	348,000	398,000
Max. Air Flow (Not Firing)	(scfh)						4,540	
Primary Air Pressure @ Burner	("wc)	55.4	55.4	55.4	55.4	55.4	55.4	55.4
Primary Air Flow	(scfh)	363	363	346	332	310	298	282
Pilot Air Flow	(scfh)	70	70	70	70	70	70	70
Total Air Flow	(scfh)	790	1,150	2,010	2,790	3,410	4,060	4,640
Burner Air Orifice ΔP	("wc)	0.05	0.4	2.5	5.5	9.3	14.4	19.2
Tile Pressure	("wc)	1.0	1.6	4.1	6.5	8.7	10.9	13.6
Oil Pressure @ Oil Valve	(psig)	3	4	6	8	9	11	12
Oil Flow @ 20% Excess Air	(gph)	0.5	0.7	1.2	1.7	2.1	2.5	2.8
Minimum Oil Flow	(gph)	0.5	0.5	0.6	0.7	0.75	0.8	1.0
Max. Excess Air	(%)	20	70	135	200	235	270	245
Flame Length	(in)	In Tile	12	16	18	20	21	22
Flame Diameter	(in)	In Tile	2	3	3	3	3	3

NOTES:

- Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
- Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
- Flame lengths measured from the end of the burner tile.
- All data based on industry standard air and gas piping practices.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 115 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	73 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 10% Excess Air (kW)	14.8	27.5	53.9	75.4	93.1	108	120
Max. Air Flow (Not Firing) (nm ³ /hr)						126	
Primary Air Pressure @ Burner (kPa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Primary Air Flow (nm ³ /hr)	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	15.5	28.9	56.5	79	97.5	113	125
Burner Air Orifice ΔP (Pa)	50	274	1,070	2,210	3,380	4,550	5,720
Gas Inlet (Tile) Pressure (Pa)	50	224	771	1,390	2,090	2,760	3,360
Max. Excess Air (%)	650	1,280	1,510	1,770	1,440	1,450	1,450
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (mm)	305	356	406	508	559	610	660
Flame Diameter (mm)	76	76	102	102	102	102	102

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

METRIC DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 115 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
		129 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 20% Excess Air	(kW)	18.7	27.2	47.7	63.2	80.7	95.9	110
Max. Air Flow (Not Firing)	(nm ³ /hr)						122	
Primary Air Pressure @ Burner	(kPa)	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Primary Air Flow	(nm ³ /hr)	9.7	9.7	9.3	8.9	8.3	8	7.6
Pilot Air Flow	(nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow	(nm ³ /hr)	21.2	30.8	53.8	74.7	91.3	109	124
Burner Air Orifice ΔP	(Pa)	12.4	99.5	622	1,370	2,310	3,580	4,780
Tile Pressure	(Pa)	249	398	1,020	1,620	2,160	2,710	3,380
Oil Pressure @ Oil Valve	(kPa)	20.7	27.6	41.4	55.2	62.1	75.8	82.7
Oil Flow @ 20% Excess Air	(lph)	1.9	2.6	4.5	6.4	7.9	9.5	10.6
Minimum Oil Flow	(lph)	1.9	1.9	2.3	2.6	2.8	3.0	3.8
Max. Excess Air	(%)	20	70	135	200	235	270	245
Flame Length	(mm)	In Tile	305	406	457	508	533	559
Flame Diameter	(mm)	In Tile	51	76	76	76	76	76

NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SUPPLEMENTAL DATA

**SVC SUPER VERSATILE COMBINATION BURNER
HIGH VELOCITY SQUARE REFRACTORY TILE**

BURNER MODEL SVC 120 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 10% Excess Air (Btu/hr)	90,800	151,000	312,000	435,000	536,000	626,000	698,000
Max. Air Flow (Not Firing) (scfh)						6,900	
Primary Air Pressure @ Burner ("wc)	2	2	2	2	2	2	2
Primary Air Flow (scfh)	100	100	100	100	100	100	100
Pilot Air Flow (scfh)	70	70	70	70	70	70	70
Total Air Flow (scfh)	940	1,560	3,230	4,500	5,550	6,480	7,220
Burner Air Orifice ΔP ("wc)	0.2	1.0	4.8	9.7	15.0	20.0	25.0
Gas Inlet (Tile) Pressure ("wc)	0.3	1.0	2.7	4.8	7.0	9.1	11.4
Max. Excess Air (%)	400	610	930	1,050	1,150	1,200	1,280
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (in)	12	15	20	22	24	24	26
Flame Diameter (in)	4	4	6	8	8	8	8

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

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SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SSVC 120 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
		0.3 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 20% Excess Air	(Btu/hr)	113,000	160,000	289,000	396,000	486,000	558,000	616,000
Max. Air Flow (Not Firing)	(scfh)						6,240	
Primary Air Pressure @ Burner	("wc)	54.4	54.4	54.4	54.4	54.4	54.4	54.4
Primary Air Flow	(scfh)	705	705	705	680	660	655	650
Pilot Air Flow	(scfh)	70	70	70	70	70	70	70
Total Air Flow	(scfh)	1,320	1,860	3,370	4,610	5,660	6,500	7,180
Burner Air Orifice ΔP	("wc)	0.1	0.6	3.4	7.5	12.3	17.0	21.3
Tile Pressure	("wc)	1.0	1.6	4.1	6.5	8.7	10.9	13.6
Oil Pressure @ Oil Valve	(psig)	-	-	-	-	-	-	-
Oil Flow @ 20% Excess Air	(gph)	0.8	1.1	2.0	2.8	3.4	4.0	4.4
Minimum Oil Flow	(gph)	0.5	0.75	0.75	0.9	1.1	1.4	1.5
Max. Excess Air	(%)	95	85	235	290	270	250	255
Flame Length	(in)	In Tile	In Tile	12	18	22	26	28
Flame Diameter	(in)	In Tile	In Tile	3	4	6	6	6

NOTES:

1. Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 120 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	73 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 10% Excess Air (kW)	24	39.9	82.5	115	142	166	185
Max. Air Flow (Not Firing) (nm ³ /hr)						185	
Primary Air Pressure @ Burner (kPa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Primary Air Flow (nm ³ /hr)	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	25.2	41.8	86.5	121	149	174	193
Burner Air Orifice ΔP (Pa)	50	249	1,190	2,410	3,730	4,980	6,220
Gas Inlet (Tile) Pressure (Pa)	75	249	672	1,190	1,740	2,260	2,840
Max. Excess Air (%)	400	610	930	1,050	1,150	1,200	1,280
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (mm)	305	381	508	559	610	610	660
Flame Diameter (mm)	102	102	152	203	203	203	203

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

METRIC DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 120 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
		129 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 20% Excess Air	(kW)	31.1	44.1	79.6	109	134	154	170
Max. Air Flow (Not Firing)	(nm ³ /hr)						167	
Primary Air Pressure @ Burner	(kPa)	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Primary Air Flow	(nm ³ /hr)	18.9	18.9	18.9	18.2	17.7	17.5	17.4
Pilot Air Flow	(nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow	(nm ³ /hr)	35.4	49.8	90.3	123	152	174	192
Burner Air Orifice ΔP	(Pa)	25	149	846	1,870	3,060	4,230	5,300
Tile Pressure	(Pa)	249	398	1,020	1,620	2,160	2,710	3,380
Oil Pressure @ Oil Valve	(kPa)	-	-	-	-	-	-	-
Oil Flow @ 20% Excess Air	(lph)	3.0	4.2	7.6	10.6	12.9	15.1	16.7
Minimum Oil Flow	(lph)	1.9	2.8	2.8	3.4	4.2	5.3	5.7
Max. Excess Air	(%)	95	85	235	290	270	250	255
Flame Length	(mm)	In Tile	In Tile	305	457	559	660	711
Flame Diameter	(mm)	In Tile	In Tile	76	102	152	152	152

NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 125 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 10% Excess Air (Btu/hr)	117,000	249,000	523,000	733,000	908,000	1,050,000	1,180,000
Max. Air Flow (Not Firing) (scfh)						11,810	
Primary Air Pressure @ Burner ("wc)	2	2	2	2	2	2	2
Primary Air Flow (scfh)	155	155	155	155	155	155	155
Pilot Air Flow (scfh)	70	70	70	70	70	70	70
Total Air Flow (scfh)	1,210	2,580	5,410	7,580	9,400	10,900	12,200
Burner Air Orifice ΔP ("wc)	0.2	1.1	4.7	9.2	14.0	18.9	23.8
Gas Inlet (Tile) Pressure ("wc)	0.3	0.9	3.3	6.4	9.5	12.4	15.2
Max. Excess Air (%)	430	800	1,190	1,550	1,780	1,740	1,460
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (in)	12	15	20	24	28	30	36
Flame Diameter (in)	4	4	6	8	10	14	14

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 125 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
		0.6 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 20% Excess Air	(Btu/hr)	180,000	211,000	426,000	637,000	798,000	929,000	1,050,000
Max. Air Flow (Not Firing)	(scfh)						11,700	
Primary Air Pressure @ Burner	("wc)	55.4	55.4	55.4	55.4	55.4	55.4	55.4
Primary Air Flow	(scfh)	840	840	800	770	740	710	690
Pilot Air Flow	(scfh)	70	70	70	70	70	70	70
Total Air Flow	(scfh)	2,100	2,460	4,970	7,420	9,300	10,800	12,300
Burner Air Orifice ΔP	("wc)	0.1	0.4	2.9	7.2	12.0	16.7	21.7
Tile Pressure	("wc)	1.0	1.8	4.4	6.8	8.9	10.9	12.7
Oil Pressure @ Oil Valve	(psig)	-	3	6	9.5	12	15	17
Oil Flow @ 20% Excess Air	(gph)	1.3	1.5	3.0	4.5	5.7	6.6	7.5
Minimum Oil Flow	(gph)	0.75	0.95	1.0	1.2	1.4	1.6	1.9
Max. Excess Air	(%)	100	90	260	350	370	390	375
Flame Length	(in)	In Tile	8	18	24	28	32	34
Flame Diameter	(in)	In Tile	3	5	7	10	14	14

NOTES:

1. Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 125 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	73 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 10% Excess Air (kW)	30.9	65.9	138	194	240	278	312
Max. Air Flow (Not Firing) (nm ³ /hr)						316	
Primary Air Pressure @ Burner (kPa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Primary Air Flow (nm ³ /hr)	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	32.4	69.1	145	203	252	292	327
Burner Air Orifice ΔP (Pa)	50	274	1,170	2,290	3,480	4,700	5,920
Gas Inlet (Tile) Pressure (Pa)	75	224	821	1,590	2,360	3,090	3,780
Max. Excess Air (%)	430	800	1,190	1,550	1,780	1,740	1,460
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (mm)	305	381	508	610	711	762	914
Flame Diameter (mm)	102	102	152	203	254	356	356

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

METRIC DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 125 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
		259 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 20% Excess Air	(kW)	49.6	58.1	117	175	217	256	289
Max. Air Flow (Not Firing)	(nm ³ /hr)						313	
Primary Air Pressure @ Burner	(kPa)	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Primary Air Flow	(nm ³ /hr)	22.5	22.5	21.4	20.6	19.8	19	18.5
Pilot Air Flow	(nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow	(nm ³ /hr)	56.3	65.9	133	199	249	289	329
Burner Air Orifice ΔP	(Pa)	25	100	722	1,790	2,990	4,150	5,400
Tile Pressure	(Pa)	249	448	1,090	1,690	2,210	2,710	3,160
Oil Pressure @ Oil Valve	(kPa)	-	20.7	41.4	65.5	82.7	103	117
Oil Flow @ 20% Excess Air	(lph)	4.9	5.7	11.4	17	21.6	25	28.4
Minimum Oil Flow	(lph)	2.8	3.6	3.8	4.5	5.3	6.1	7.2
Max. Excess Air	(%)	100	90	260	350	370	390	375
Flame Length	(mm)	In Tile	203	457	610	711	813	864
Flame Diameter	(mm)	In Tile	76	127	178	254	356	356

NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SUPPLEMENTAL DATA

**SVC SUPER VERSATILE COMBINATION BURNER
HIGH VELOCITY SQUARE REFRACTORY TILE**

BURNER MODEL SVC 130 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 10% Excess Air (Btu/hr)	135,000	347,000	617,000	857,000	1,050,000	1,220,000	1,360,000
Max. Air Flow (Not Firing) (scfh)						12,800	
Primary Air Pressure @ Burner ("wc)	2	2	2	2	2	2	2
Primary Air Flow (scfh)	315	315	315	315	315	315	315
Pilot Air Flow (scfh)	70	70	70	70	70	70	70
Total Air Flow (scfh)	1,400	3,590	6,380	8,870	10,900	12,600	14,100
Burner Air Orifice ΔP ("wc)	0.3	1.2	5.4	11.0	16.8	22.5	28.0
Gas Inlet (Tile) Pressure ("wc)	0.1	0.7	1.7	3.0	4.4	5.5	7.1
Max. Excess Air (%)	730	1,610	2,580	2,390	2,550	1,930	1,810
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (in)	24	32	36	40	42	46	50
Flame Diameter (in)	6	6	7	8	8	9	9

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 130 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
		0.6 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 20% Excess Air	(Btu/hr)	236,000	289,000	548,000	779,000	944,000	1,110,000	1,240,000
Max. Air Flow (Not Firing)	(scfh)						12,800	
Primary Air Pressure @ Burner	("wc)	55.4	55.4	55.4	55.4	55.4	55.4	55.4
Primary Air Flow	(scfh)	1,190	1,190	1,180	1,160	1,140	1,120	1,100
Pilot Air Flow	(scfh)	70	70	70	70	70	70	70
Total Air Flow	(scfh)	2,750	3,370	6,390	9,080	11,000	12,900	14,400
Burner Air Orifice ΔP	("wc)	0.3	0.8	4.0	9.0	14.3	19.9	25.5
Oil Pressure @ Oil Valve	(psig)	-	-	2	4	6	8	9
Tile Pressure	("wc)	0	0.6	2.6	4.4	5.8	6.8	8.2
Oil Flow @ 20% Excess Air	(gph)	1.7	2.1	3.9	5.5	6.7	7.8	8.8
Minimum Oil Flow	(gph)	0.95	1.1	1.5	1.7	1.9	2.2	2.8
Max. Excess Air	(%)	110	125	210	290	320	325	275
Flame Length	(in)	In Tile	12	24	30	34	36	40
Flame Diameter	(in)	In Tile	4	6	7	8	8	8

NOTES:

1. Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 130 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	73 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 10% Excess Air (kW)	35.7	91.8	163	227	278	323	360
Max. Air Flow (Not Firing) (nm ³ /hr)						343	
Primary Air Pressure @ Burner (kPa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Primary Air Flow (nm ³ /hr)	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	37.5	96.2	171	238	292	338	378
Burner Air Orifice ΔP (Pa)	75	299	1,340	2,740	4,180	5,600	6,970
Gas Inlet (Tile) Pressure (Pa)	25	174	423	746	1,090	1,370	1,770
Max. Excess Air (%)	730	1,610	2,580	2,390	2,550	1,930	1,810
Max. Excess Fuel (%)	None	None	30	30	30	30	30
Flame Length (mm)	610	813	914	1,020	1,070	1,170	1,270
Flame Diameter (mm)	152	152	178	203	203	229	229

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

METRIC DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 130 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
		259 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 20% Excess Air	(kW)	65.9	79.6	151	215	260	306	342
Max. Air Flow (Not Firing)	(nm ³ /hr)						343	
Primary Air Pressure @ Burner	(kPa)	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Primary Air Flow	(nm ³ /hr)	31.9	31.9	31.6	31.1	30.5	30	29.5
Pilot Air Flow	(nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow	(nm ³ /hr)	73.7	90.3	171	243	295	346	386
Burner Air Orifice ΔP	(Pa)	75	199	995	2,240	3,560	4,950	6,340
Tile Pressure	(Pa)	0	149	647	1,090	1,440	1,690	2,040
Oil Pressure @ Oil Valve	(kPa)	-	-	13.8	27.6	41.4	55.2	62.1
Oil Flow @ 20% Excess Air	(lph)	6.4	7.9	14.8	20.8	25.4	29.5	33.3
Minimum Oil Flow	(lph)	3.6	4.2	5.7	6.4	7.2	8.3	10.6
Max. Excess Air	(%)	110	125	210	290	320	325	275
Flame Length	(mm)	In Tile	305	610	762	864	914	1,020
Flame Diameter	(mm)	In Tile	102	152	178	203	203	203

NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.



SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 140 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
	0.17 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 10% Excess Air (Btu/hr)	251,000	502,000	1,040,000	1,520,000	1,890,000	2,170,000	2,380,000
Max. Air Flow (Not Firing) (scfh)						24,800	
Primary Air Pressure @ Burner ("wc)	2	2	2	2	2	2	2
Primary Air Flow (scfh)	415	415	415	415	415	415	415
Pilot Air Flow (scfh)	70	70	70	70	70	70	70
Total Air Flow (scfh)	2,600	5,200	10,800	15,700	19,600	22,500	24,700
Burner Air Orifice ΔP ("wc)	0.3	1.3	5.5	11.1	17.1	22.7	28.4
Gas Inlet (Tile) Pressure ("wc)	0.3	0.6	1.8	3.2	4.8	6.2	7.5
Max. Excess Air (%)	500	1,000	2,000	4,000	4,000	4,000	4,000
Max. Excess Fuel (%)	30	30	30	30	30	30	30
Flame Length (in)	24	30	54	60	60	62	66
Flame Diameter (in)	8	8	10	12	12	12	12

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

SUPPLEMENTAL DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 140 - HS

NO. 2 FUEL OIL OPERATION

		STATIC AIR PRESSURE (OSIG) AT BURNER INLET TAP						
		0.6 OSIG	1 OSIG	4 OSIG	8 OSIG	12 OSIG	16 OSIG	20 OSIG
Burner Input @ 20% Excess Air	(Btu/hr)	438,000	506,000	1,000,000	1,370,000	1,640,000	1,870,000	2,060,000
Max. Air Flow (Not Firing)	(scfh)						24,300	
Primary Air Pressure @ Burner	("wc)	55.4	55.4	55.4	55.4	55.4	55.4	55.4
Primary Air Flow	(scfh)	2,100	2,100	2,000	2,000	1,900	1,800	1,700
Pilot Air Flow	(scfh)	70	70	70	70	70	70	70
Total Air Flow	(scfh)	5,100	5,900	11,700	16,000	19,100	21,800	24,000
Burner Air Orifice ΔP	("wc)	0.4	0.9	4.3	8.8	13.8	18.3	23.1
Tile Pressure	("wc)	0.3	0.7	2.4	4.6	6.6	8.8	11.0
Oil Pressure @ Oil Valve	(psig)	-	1	3	6	10	13	16
Oil Flow @ 20% Excess Air	(gph)	3.2	3.9	7.6	10.3	12.3	14.3	15.5
Minimum Oil Flow	(gph)	1.3	1.5	2.3	2.8	3.4	4.7	5.8
Max. Excess Air	(%)	185	185	270	315	310	240	200
Flame Length	(in)	In Tile	26	36	38	41	46	47
Flame Diameter	(in)	In Tile	5	5	5	6	6	7

NOTES:

1. Capacities based on No. 2 fuel oil with HHV of 141,146 Btu/gal, 0.87 S.G., and a stoichiometric ratio of 1371.1 ft³ air/gal No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air and oil flows based on 60°F @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.



SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 140 - HS

NATURAL GAS OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	73 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 10% Excess Air (kW)	66.4	133	275	402	500	574	629
Max. Air Flow (Not Firing) (nm ³ /hr)						664	
Primary Air Pressure @ Burner (kPa)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Primary Air Flow (nm ³ /hr)	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	69.6	139	289	421	525	603	662
Burner Air Orifice ΔP (Pa)	75	323	1,370	2,760	4,250	5,650	7,070
Gas Inlet (Tile) Pressure (Pa)	75	149	448	796	1,190	1,540	1,870
Max. Excess Air (%)	500	1,000	2,000	4,000	4,000	4,000	4,000
Max. Excess Fuel (%)	30	30	30	30	30	30	30
Flame Length (mm)	610	762	1,370	1,520	1,520	1,570	1,680
Flame Diameter (mm)	203	203	254	305	305	305	305

NOTES:

1. Capacities based on natural gas with LHV of 36.74 MJ/nm³, 0.59 S.G. and a stoichiometric air/gas ratio of 9.74:1 with burner firing into chamber under no pressure.
2. Air and gas flows based on 0°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

(No. 2 Fuel Oil Operation on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

METRIC DATA

SVC SUPER VERSATILE COMBINATION BURNER HIGH VELOCITY SQUARE REFRACTORY TILE

BURNER MODEL SVC 140 - HS

NO. 2 FUEL OIL OPERATION

	STATIC AIR PRESSURE (Pa) AT BURNER INLET TAP						
	259 Pa	431 Pa	1720 Pa	3450 Pa	5170 Pa	6900 Pa	8620 Pa
Burner Input @ 20% Excess Air (kW)	121	139	276	377	452	515	568
Max. Air Flow (Not Firing) (nm ³ /hr)						651	
Primary Air Pressure @ Burner (kPa)	13.8	13.8	13.8	13.8	13.8	13.8	13.8
Primary Air Flow (nm ³ /hr)	56.3	56.3	53.6	53.6	50.9	48.2	45.5
Pilot Air Flow (nm ³ /hr)	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total Air Flow (nm ³ /hr)	137	158	313	429	512	584	643
Burner Air Orifice ΔP (Pa)	100	224	1,070	2,190	3,430	4,550	5,750
Tile Pressure (Pa)	75	174	597	1,140	1,640	2,190	2,740
Oil Pressure @ Oil Valve (kPa)	-	6.9	20.7	41.4	68.9	89.6	110
Oil Flow @ 20% Excess Air (lph)	12.1	14.8	28.8	39	46.6	54.1	58.7
Minimum Oil Flow (lph)	4.9	5.7	8.7	10.6	12.9	17.8	22
Max. Excess Air (%)	185	185	270	315	310	240	200
Flame Length (mm)	In Tile	660	914	965	1,040	1,170	1,190
Flame Diameter (mm)	In Tile	127	127	127	152	152	178

NOTES:

1. Capacities based on No. 2 fuel oil with LHV of 36.99 MJ/liter, 0.87 S.G., and a stoichiometric ratio of 9.70 nm³ air/liter No. 2 fuel oil with burner firing into chamber under no pressure.
2. Air flows based on 0°C @ sea level and oil flows based on 15.5°C @ sea level; capacities for preheated air will differ from those shown.
3. Flame lengths measured from the end of the burner tile.
4. All data based on industry standard air and gas piping practices.

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