

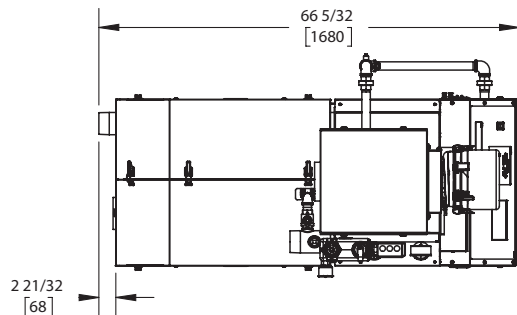
KN6+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

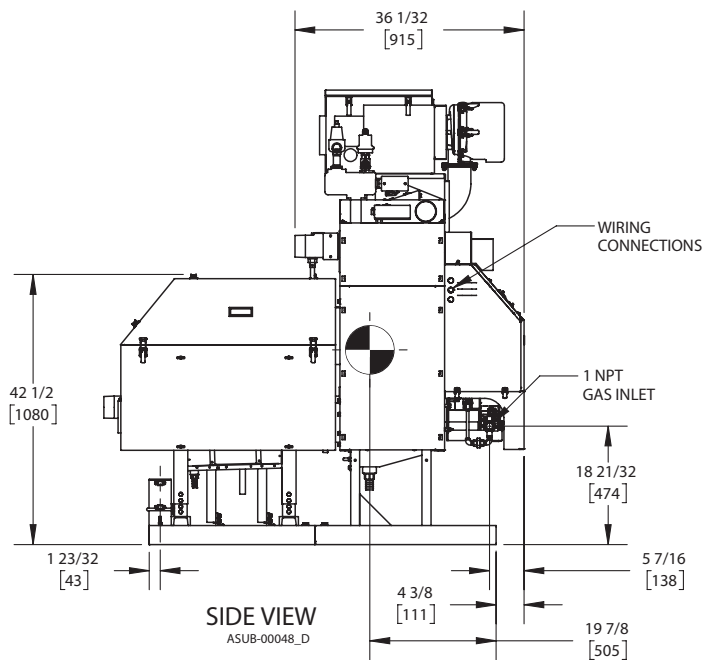
CODE OPTIONS

CSD-1	STANDARD
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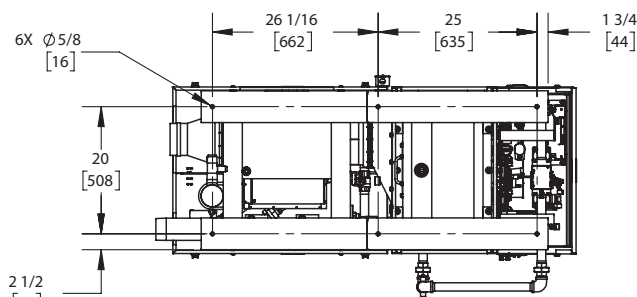
INDOOR UNIT



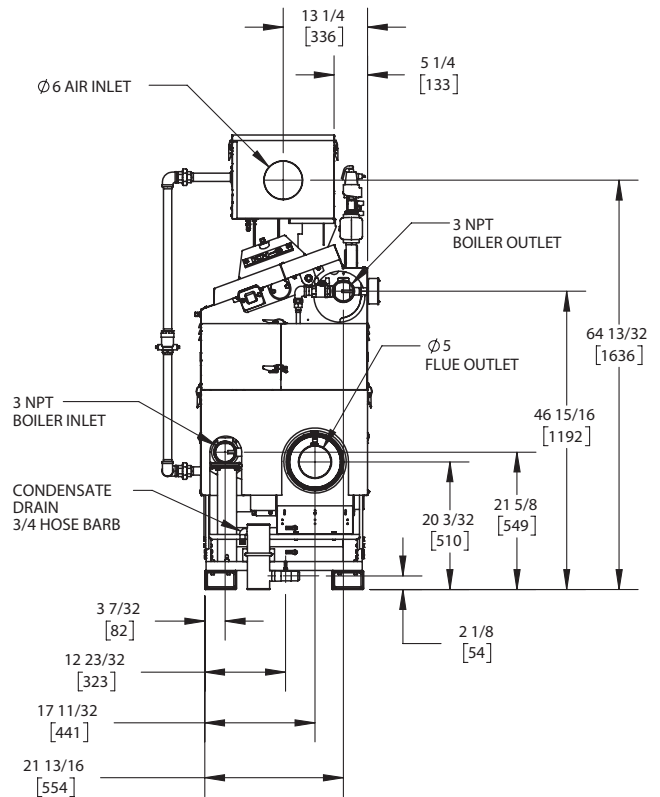
TOP VIEW
ASUB-00048_D



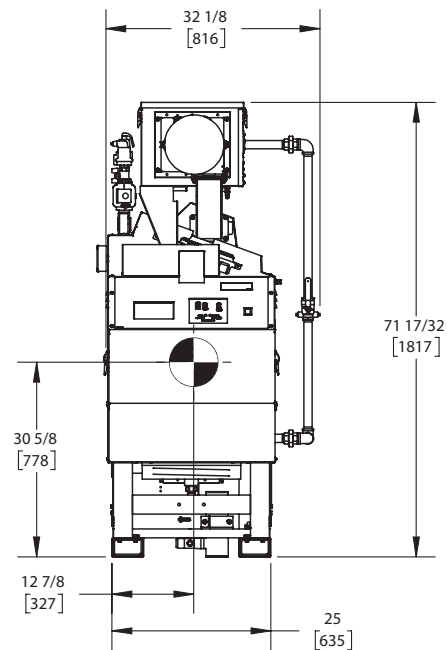
SIDE VIEW
ASUB-00048_D



BOTTOM VIEW
ASUB-00048_D



REAR VIEW
ASUB-00048_D



FRONT VIEW
ASUB-00048_D

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	600,000 / 176 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	576,600 / 169 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	17.2	Water Volume	10.5 gal.
Electrical Requirements	120VAC/ 60 hz/ 1PH	Operating Weight	1485 lbs. / 674 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	26.60 Sq. Ft. / 2.47 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	28.44 Sq. Ft. / 2.64 Sq. M.		
CV. GPM (1PSID)	62		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
57.7	3.64	2.00	5.97	28.8	1.82	.50	1.49	19.2	1.21	.22	.66	14.4	.91	.12	.37	11.5	.73	.08	.24

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
11.5		57.7		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN6+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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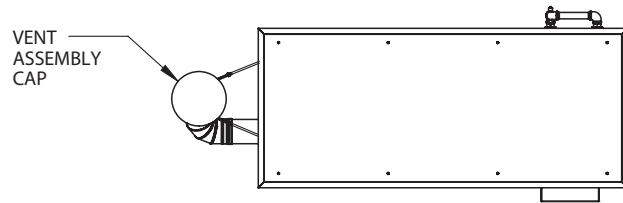
KN6X+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

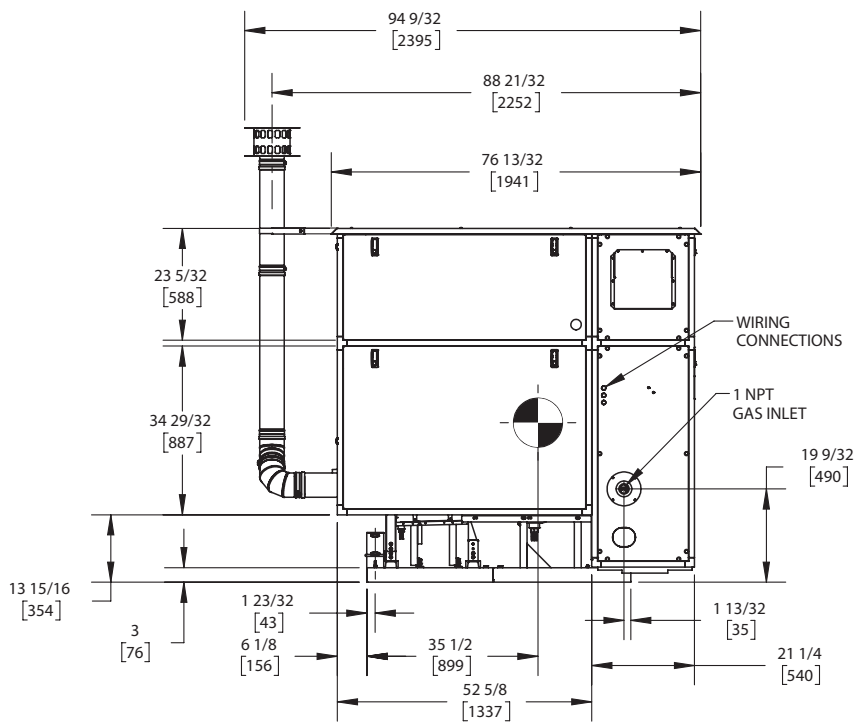
CODE OPTIONS

CSD-1	STANDARD
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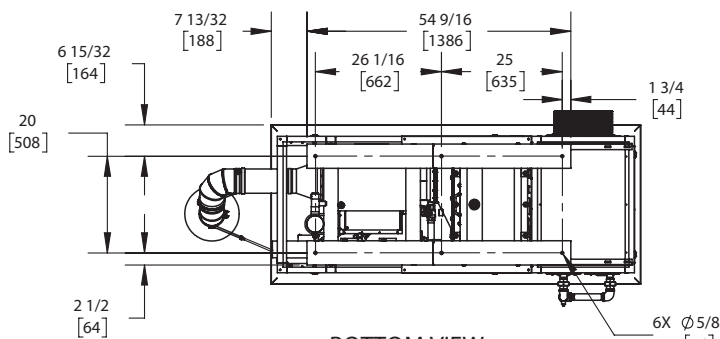
OUTDOOR UNIT



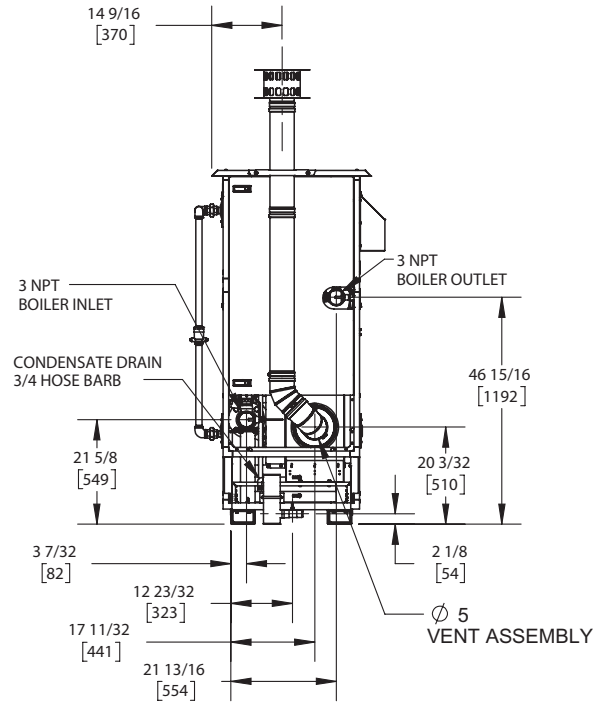
TOP VIEW
ASUB-00062_B



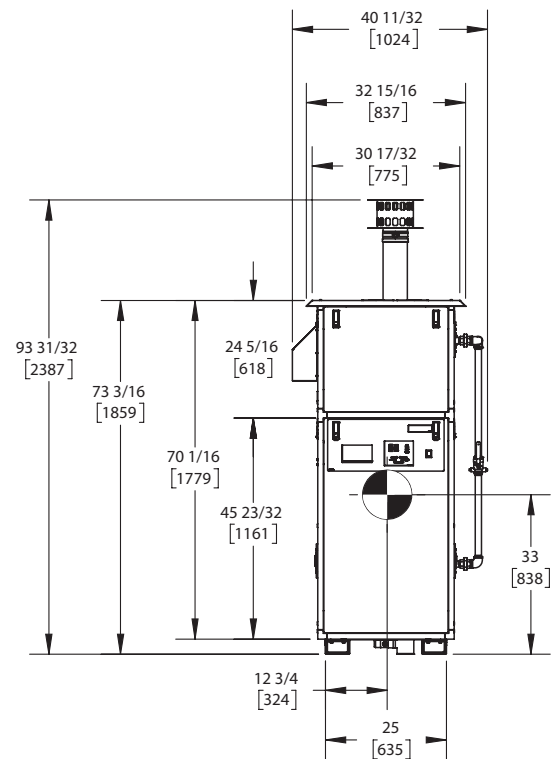
SIDE VIEW
ASUB-00062_B



BOTTOM VIEW
ASUB-00062_B



REAR VIEW
ASUB-00062_B



FRONT VIEW
ASUB-00062_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	600,000 / 176 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	573,000 / 168 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	17.1	Water Volume	10.5 gal.
Electrical Requirements	120VAC/ 60 hz/ 1PH	Operating Weight	1485 lbs. / 674 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	26.60 Sq. Ft. / 2.47 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	28.44 Sq. Ft. / 2.64 Sq. M.		
CV. GPM (1PSID)	62		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
57.3	3.62	1.97	5.90	28.7	1.81	.49	1.47	19.1	1.21	.22	.66	14.3	.90	.12	.37	11.5	.72	.08	.24

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
11.5		57.3		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN6X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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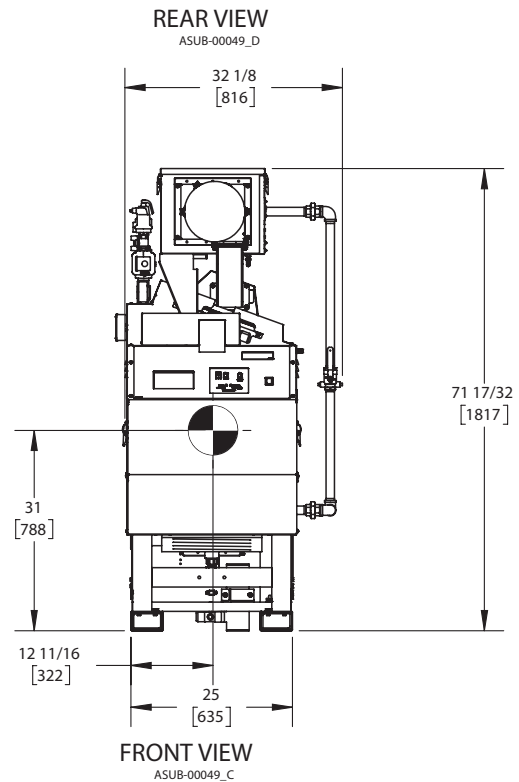
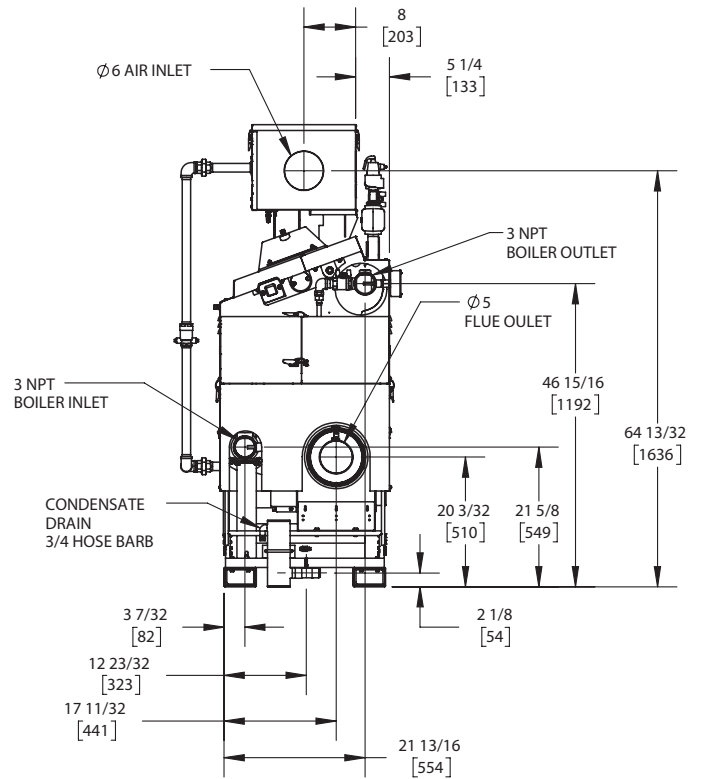
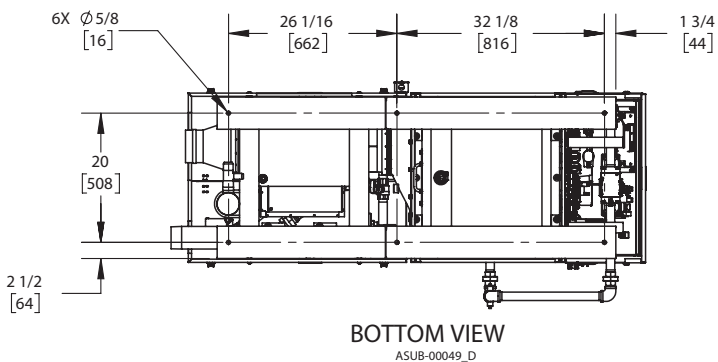
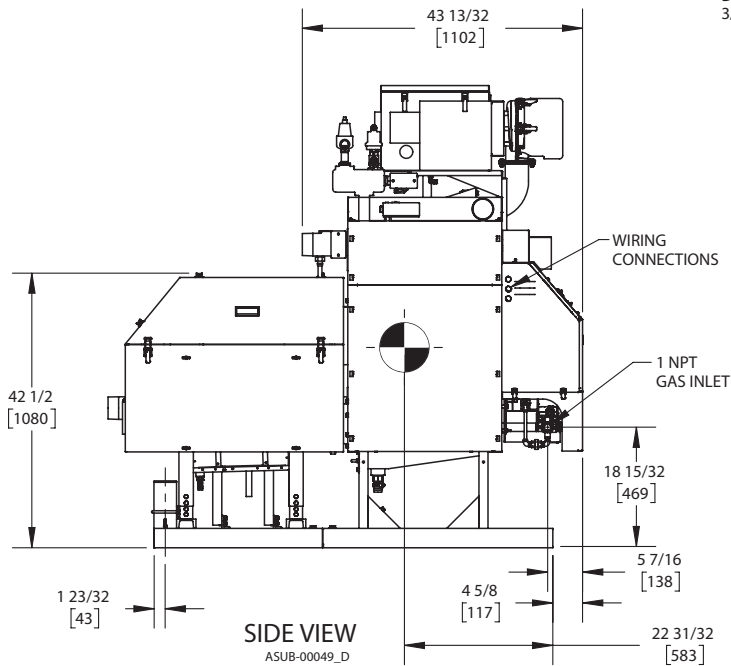
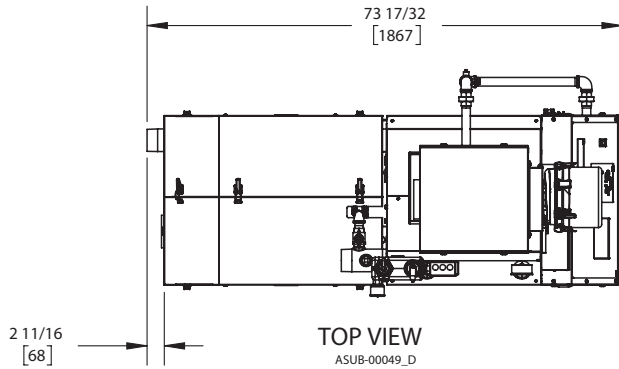
KN10+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1	STANDARD
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INDOOR UNIT



NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	1,000,000 / 293 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	952,000 / 279 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	28.4	Water Volume	14.5 gal.
Electrical Requirements	120VAC/ 60 hz/ 1PH	Operating Weight	1850 lbs. / 839 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	39.89 Sq. Ft. / 3.71 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	42.65 Sq. Ft. / 3.96 Sq. M.		
CV. GPM (1PSID)	100		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
95.2	6.01	2.09	6.26	47.6	3.00	.52	1.56	31.7	2.00	.23	.70	23.8	1.50	.13	.39	19.0	1.20	.08	.25

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
19.0		95.2		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN10+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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KN10X+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

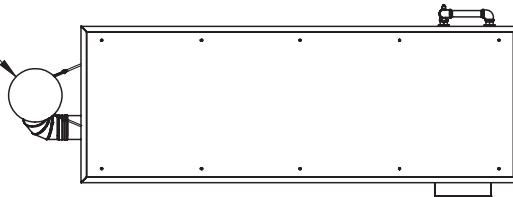
CODE OPTIONS

CSD-1

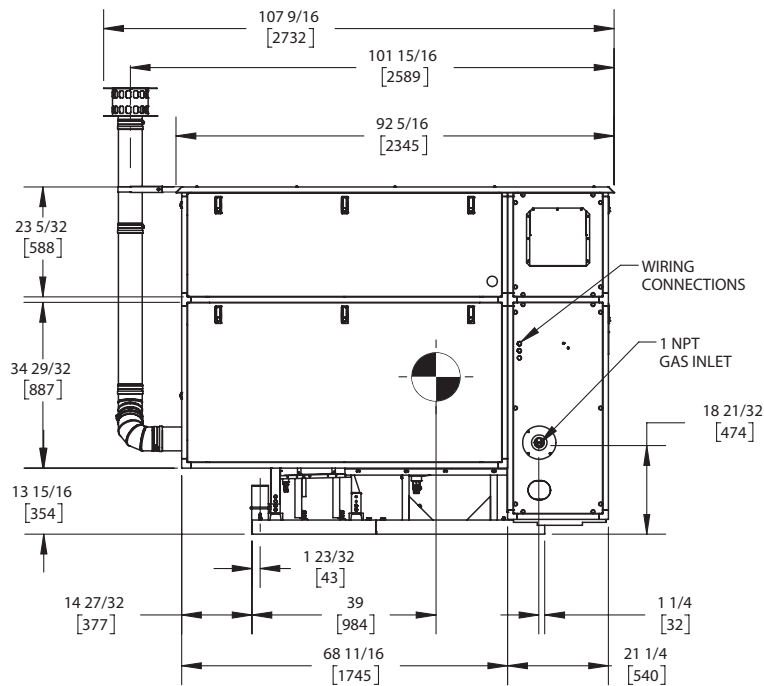
STANDARD

OUTDOOR UNIT

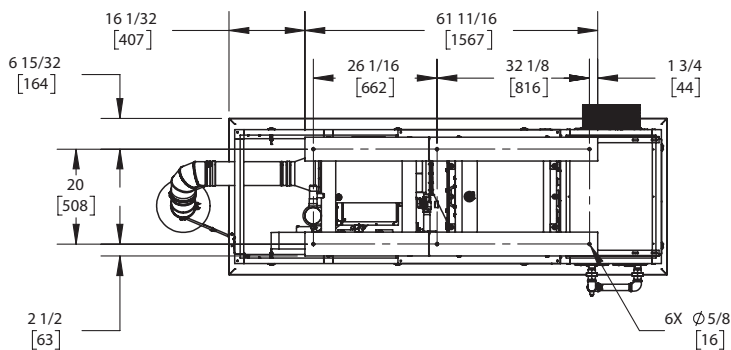
VENT
ASSEMBLY
CAP



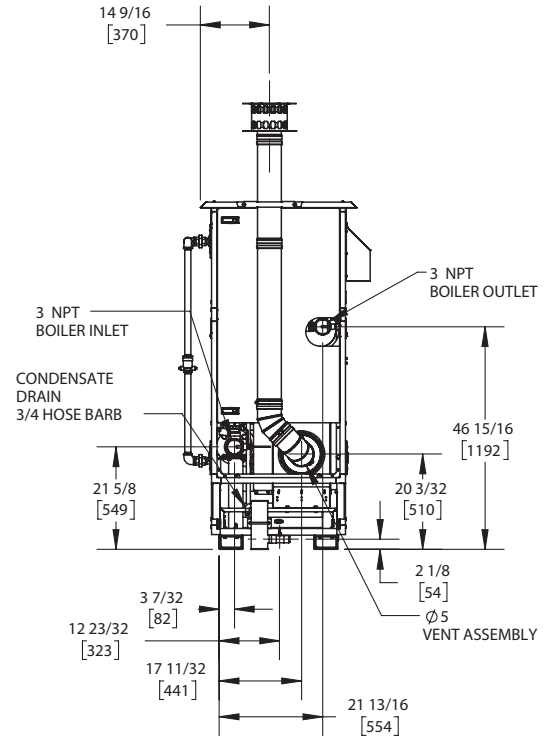
TOP VIEW
ASUB-00063_B



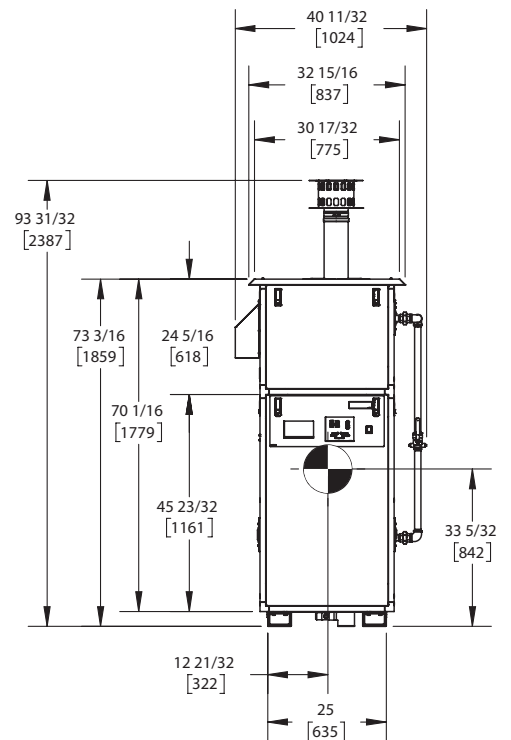
SIDE VIEW
ASUB-00063_B



BOTTOM VIEW
ASUB-00063_B



REAR VIEW
ASUB-00063_B



FRONT VIEW
ASUB-00063_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



SKNP-10X-4

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	1,000,000 / 293 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	951,000 / 279 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	28.4	Water Volume	14.5 gal.
Electrical Requirements	120VAC/ 60 hz/ 1PH	Operating Weight	1850 lbs. / 839 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	39.89 Sq. Ft. / 3.71 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	42.65 Sq. Ft. / 3.96 Sq. M.		
CV. GPM (1PSID)	100		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
95.1	6.00	2.09	6.24	47.6	3.00	.52	1.56	31.7	2.00	.23	.69	23.8	1.50	.13	.39	19.0	1.20	.08	.25

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
19.0		95.1		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN10X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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KN16+

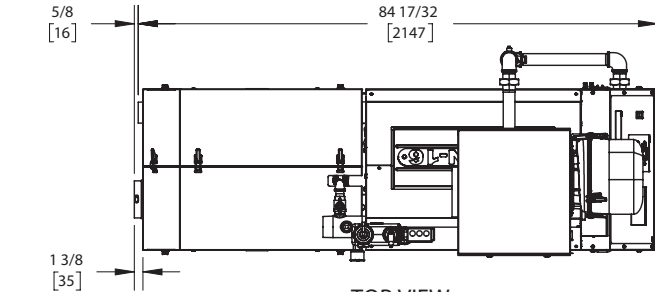
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1

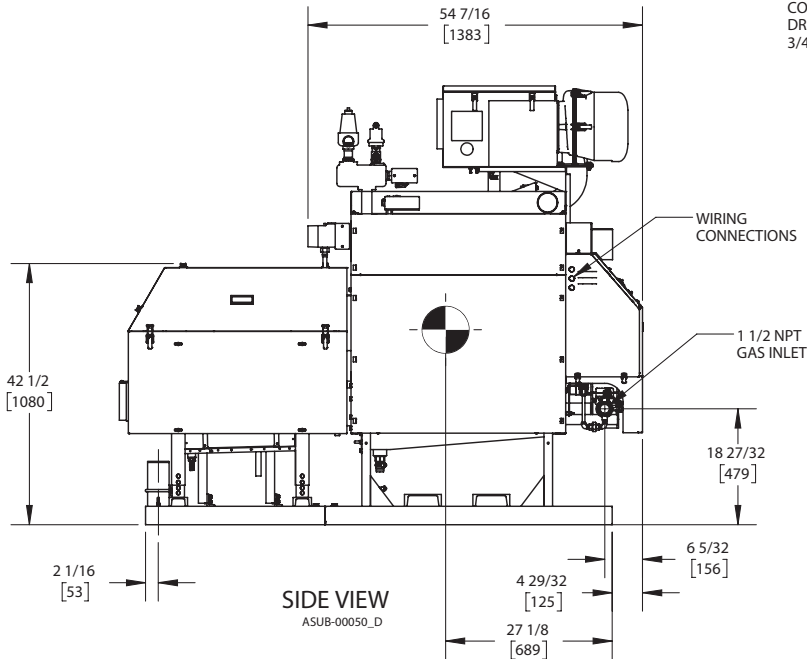
STANDARD

INDOOR UNIT



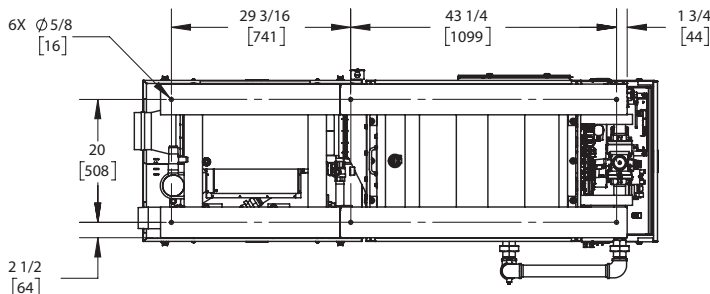
TOP VIEW

ASUB-00050_D



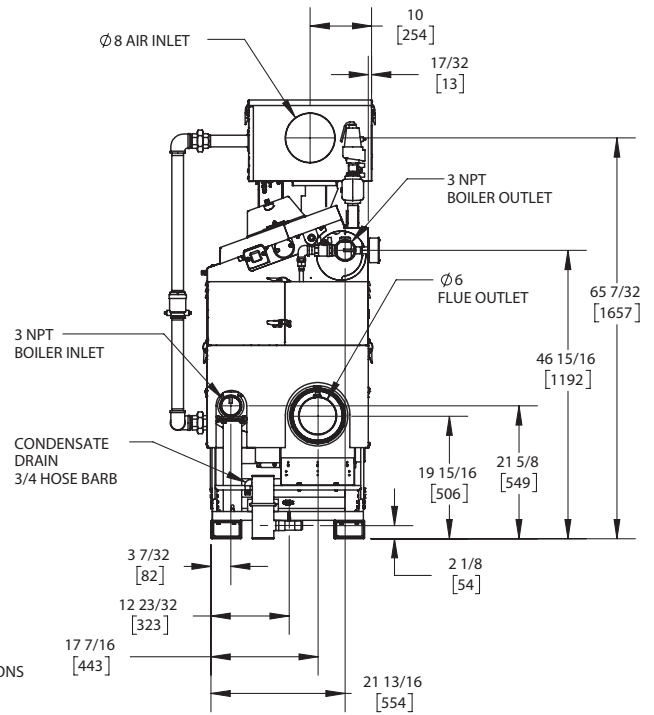
SIDE VIEW

ASUB-00050_D



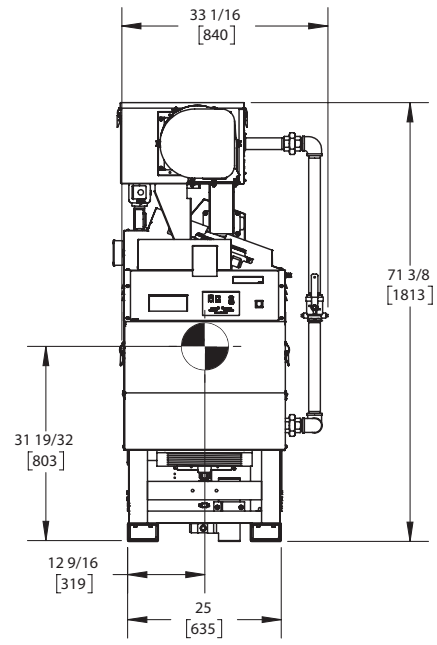
BOTTOM VIEW

ASUB-00050_D



REAR VIEW

ASUB-00050_D



FRONT VIEW

ASUB-00050_D

NOTES:

1.  SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	1,600,000 / 469 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	1,537,600 / 450 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	45.9	Water Volume	21.0 gal.
Electrical Requirements	230VAC/60 hz/1PH (with neutral)	Operating Weight	2690 lbs. / 1220 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1-1/2" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	59.84 Sq. Ft. / 5.56 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	63.98 Sq. Ft. / 5.94 Sq. M.		
CV. GPM (1PSID)	140		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
153.8	9.70	2.79	8.33	76.9	4.85	.70	2.08	51.3	3.23	.31	.93	38.5	2.43	.17	.52	30.8	1.94	.11	.33

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
30.8		153.8		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN16+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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KN16X+

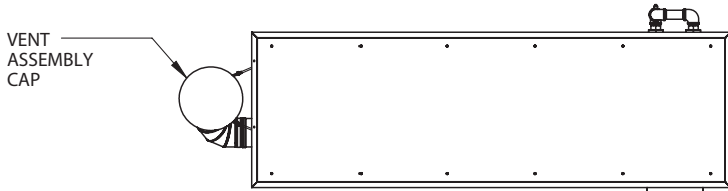
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

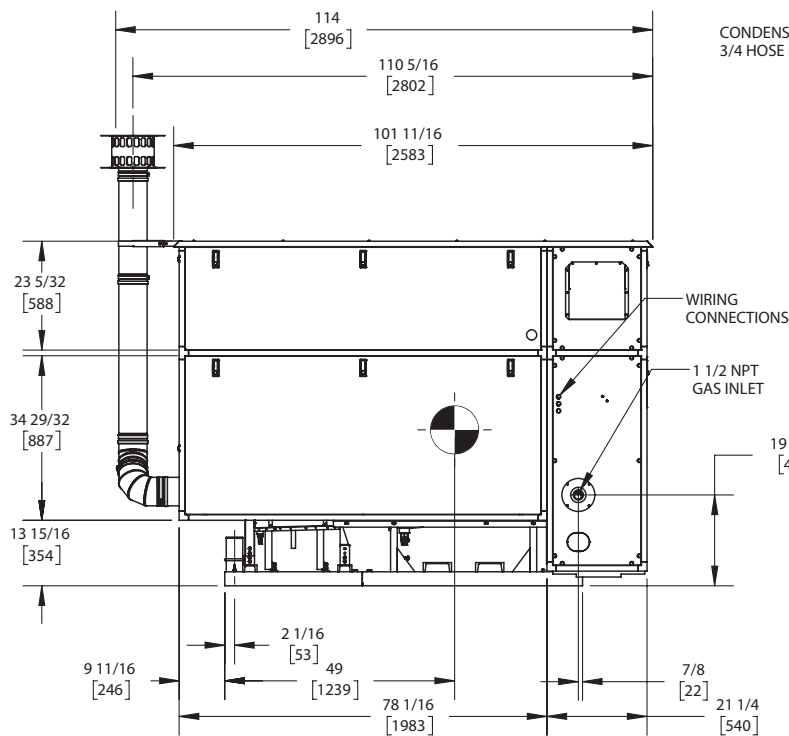
CSD-1

STANDARD

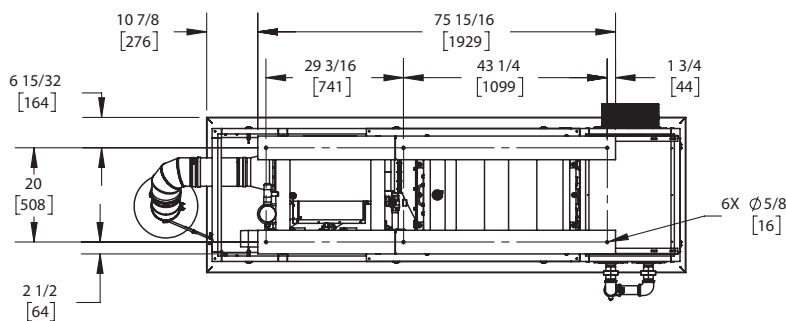
OUTDOOR UNIT



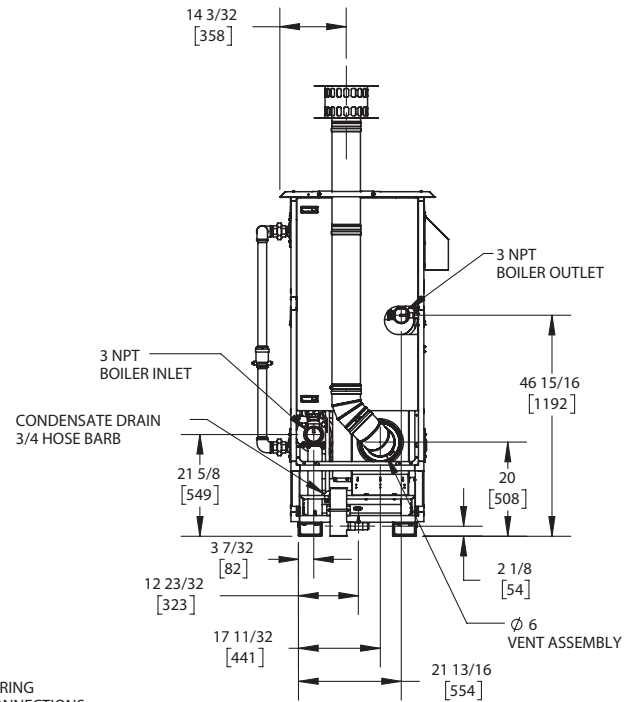
TOP VIEW
ASUB-00064_B



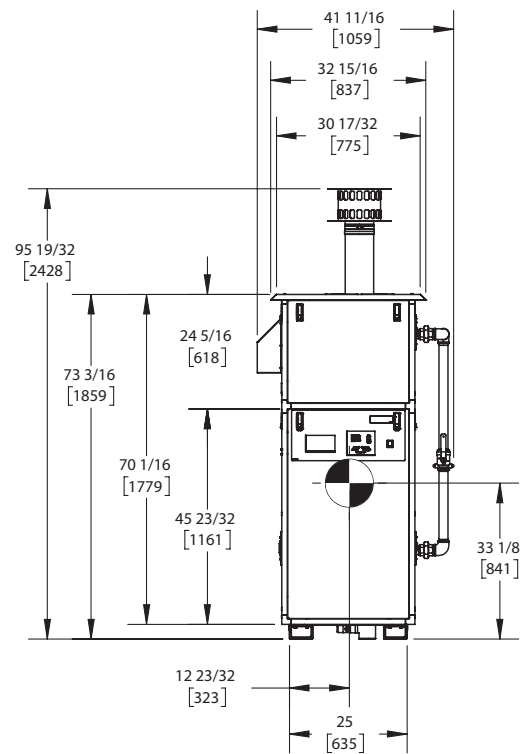
SIDE VIEW
ASUB-00064_B



BOTTOM VIEW
ASUB-00064_B



REAR VIEW
ASUB-00064_B



FRONT VIEW
ASUB-00064_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



SKNP-16X-4

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	1,600,000 / 469 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	1,528,000 / 448 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	45.7	Water Volume	21.0 gal.
Electrical Requirements	230VAC/60 hz/1PH (with neutral)	Operating Weight	2690 lbs. / 1220 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1-1/2" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	59.84 Sq. Ft. / 5.56 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	63.98 Sq. Ft. / 5.94 Sq. M.		
CV. GPM (1PSID)	140		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
152.9	9.64	2.75	8.22	76.4	4.82	.69	2.06	51.0	3.21	.31	.91	38.2	2.41	.17	.51	30.6	1.93	.11	.33

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
30.6		152.9		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM	_____	KN16X+
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	Category II or Category IV Appliance (see Installation and Operation Manual for venting information)
		 A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515

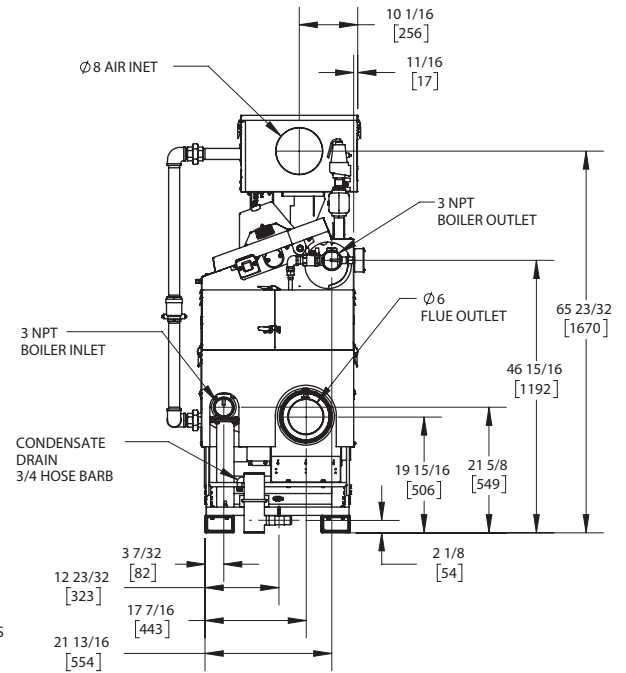
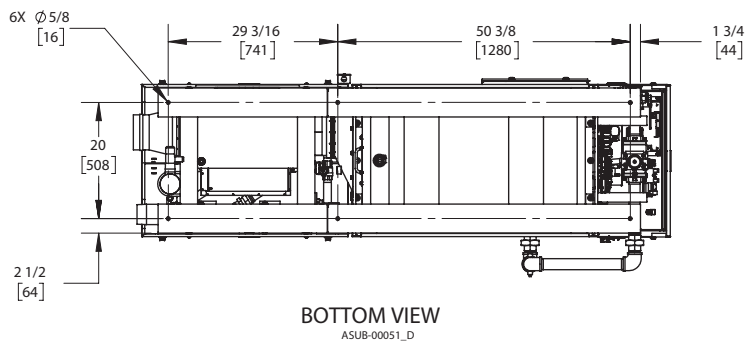
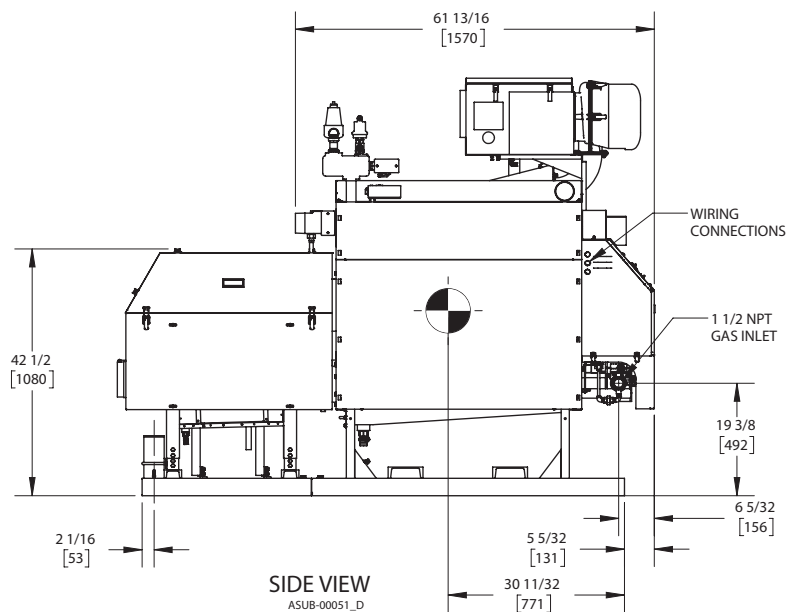
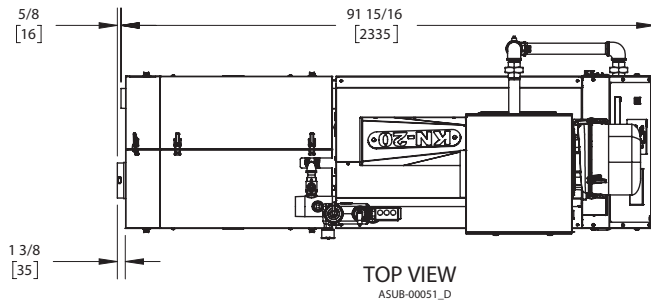
KN20+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

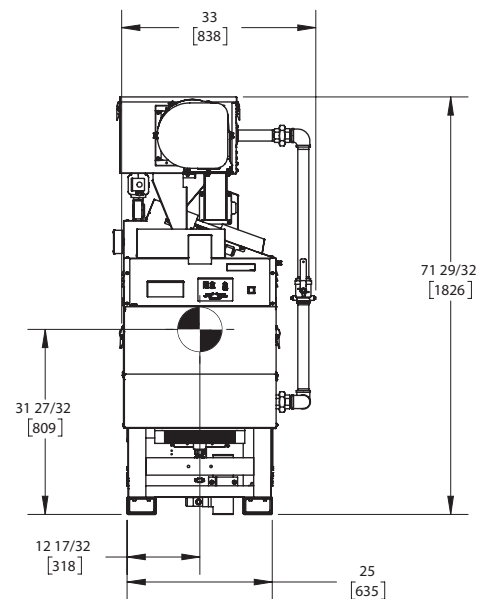
CODE OPTIONS

CSD-1	STANDARD
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INDOOR UNIT



REAR VIEW
ASUB-00051_D



FRONT VIEW
ASUB-00051_D

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	2,000,000 / 586 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	1,904,000 / 558 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	56.9	Water Volume	24.9 gal.
Electrical Requirements	230VAC/60 hz/1PH (with neutral)	Operating Weight	3040 lbs. / 1379 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1-1/2" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	73.14 Sq. Ft. / 6.80 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	78.20 Sq. Ft. / 7.26 Sq. M.		
CV. GPM (1PSID)	161		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
190.5	12.02	3.23	9.65	95.2	6.01	.81	2.41	63.5	4.01	.36	1.07	47.6	3.00	.20	.60	38.1	2.40	.13	.39

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
38.1		190.5		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN20+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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KN20X+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

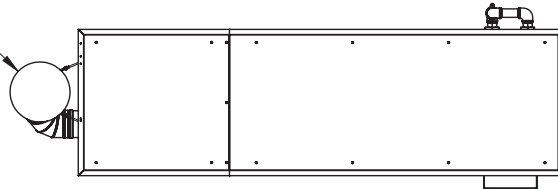
CODE OPTIONS

CSD-1

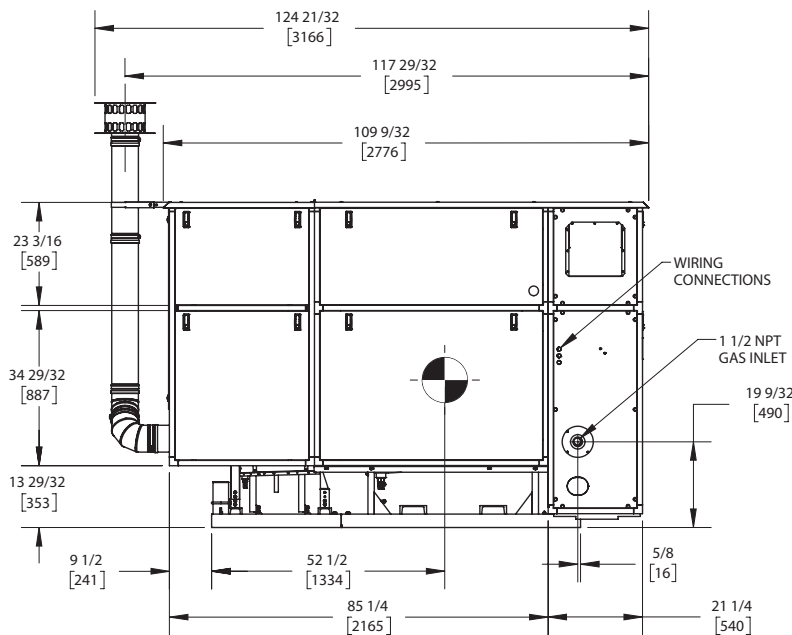
STANDARD

OUTDOOR UNIT

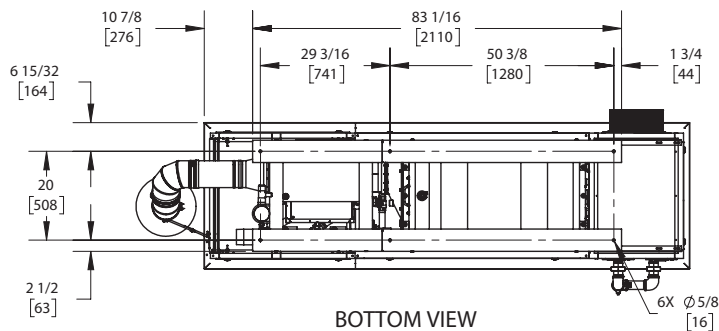
VENT
ASSEMBLY
CAP



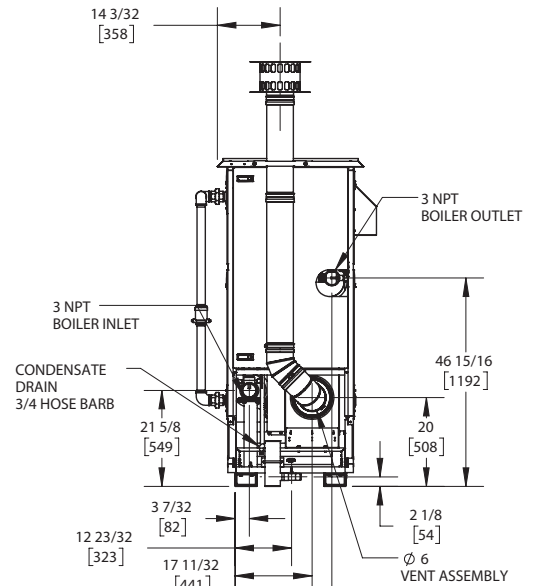
TOP VIEW
ASUB-00065_B



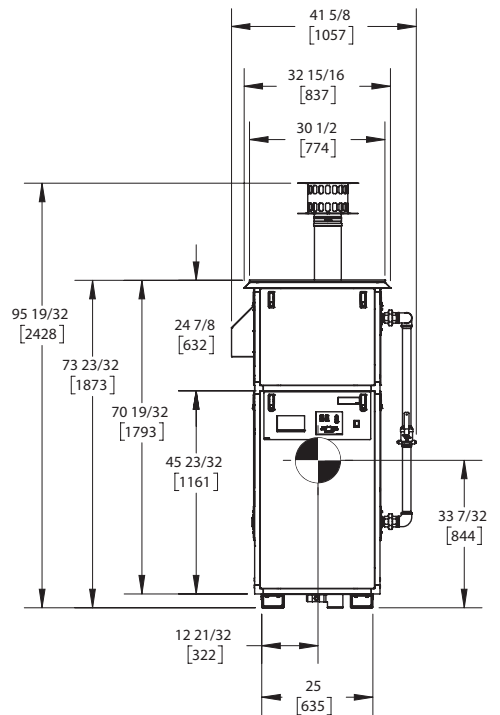
SIDE VIEW
ASUB-00065_B



BOTTOM VIEW
ASUB-00065_B



REAR VIEW
ASUB-00065_B



FRONT VIEW
ASUB-00065_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	13.9 A*
Input BTU/hr.	2,000,000 / 586 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	1,902,000 / 557 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	56.8	Water Volume	24.9 gal.
Electrical Requirements	230VAC/60 hz/1PH (with neutral)	Operating Weight	3040 lbs. / 1379 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit	Honeywell L4006E	L.W.C.O.	800
Main Ball Valve	1-1/2" Apollo	Relief Valve	30, 50, 75 & 100 PSI
Pilot Cock	1/4" Conbraco	Pilot Regulator	Maxitrol RV12LT

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	73.14 Sq. Ft. / 6.80 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	78.20 Sq. Ft. / 7.26 Sq. M.		
CV. GPM (1PSID)	161		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
190.2	12.00	3.22	9.62	95.1	6.00	.80	2.41	63.4	4.00	.36	1.07	47.5	3.00	.20	.60	38.0	2.40	.13	.38

Flow GPM		Temp. Rise** (°F)		Vent Length (Equiv. Ft.)		Air Inlet Length (Equiv. Ft.)	
Min	Max	Min	Max	Min	Max	Min	Max
38.0	190.2	20	100	6	100	0	100

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN20X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information)  A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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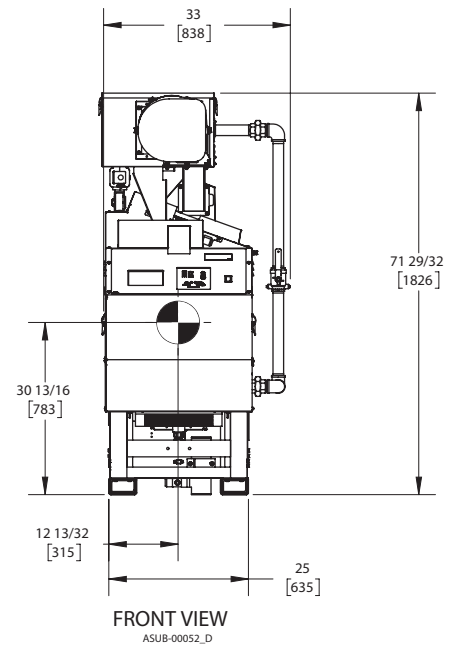
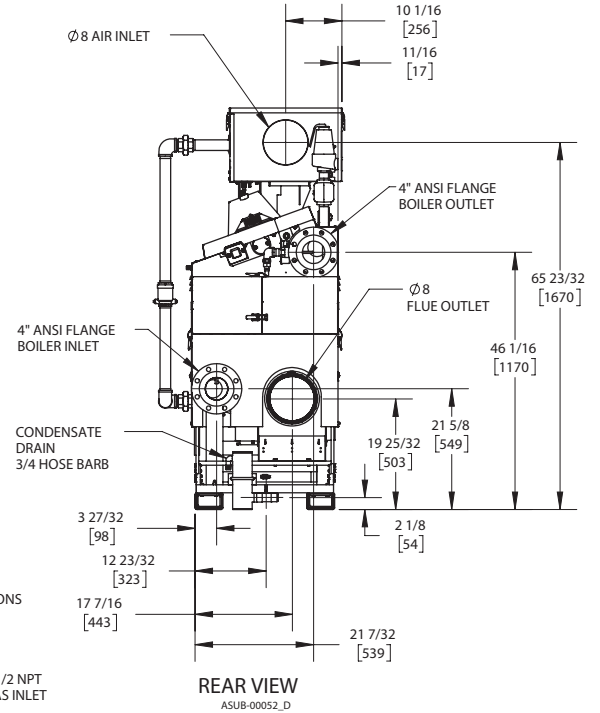
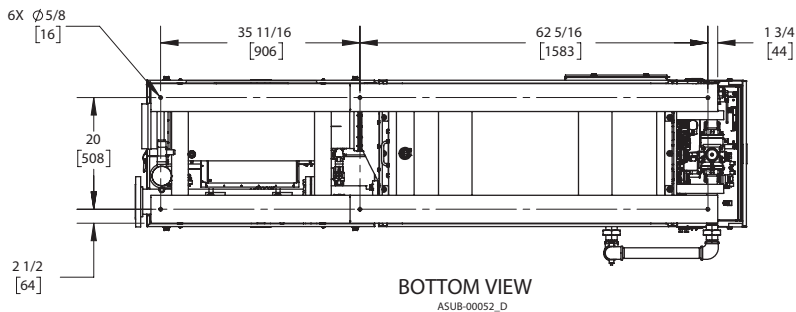
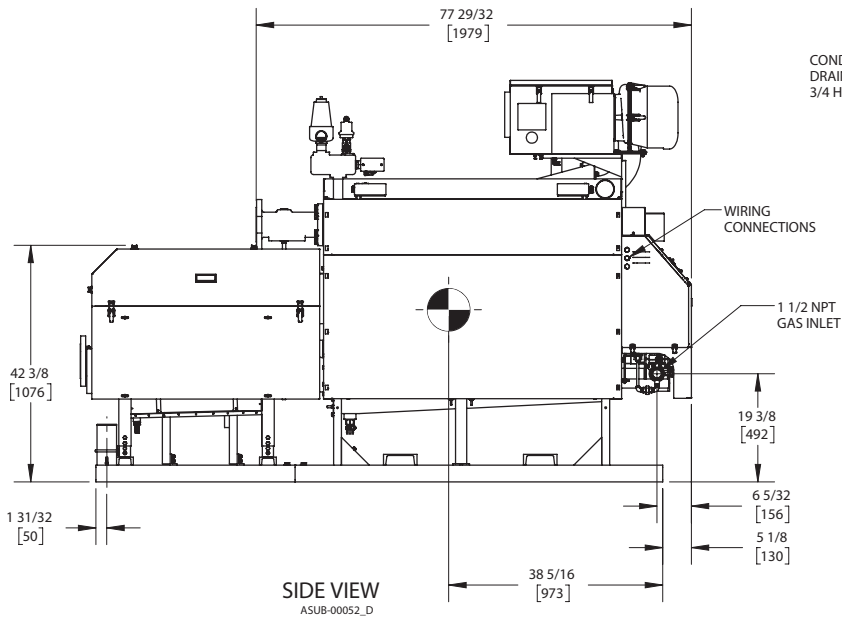
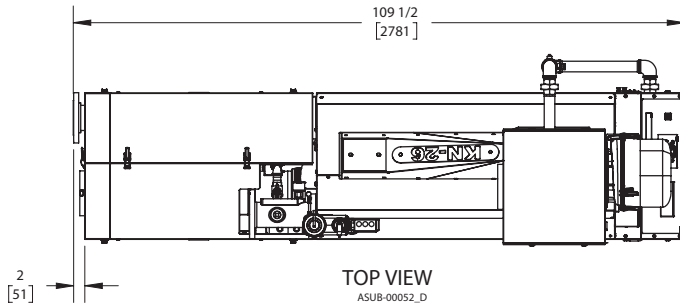
KN26+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1	STANDARD
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INDOOR UNIT



NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	11.3 A*
Input BTU/hr.	2,600,000 / 762 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	2,498,600 / 732 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	74.6	Water Volume	31.9 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	3840 lbs. / 1742 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit (Manual Reset)	Honeywell L4006E	L.W.C.O.	800
High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
Main Ball Valve	1-1/2" Apollo	Pilot Regulator	Maxitrol RV12LT
Pilot Cock	1/4" Conbraco		

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	93.08 Sq. Ft. / 8.65 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	99.53 Sq. Ft. / 9.25 Sq. M.		
CV. GPM (1PSID)	222		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
250.0	15.77	2.93	8.74	125.0	7.89	.73	2.19	83.3	5.26	.33	.97	62.5	3.94	.18	.55	50.0	3.15	.12	.35

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
50.0		250.0		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM	_____	KN26+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information)  A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	

KN26X+

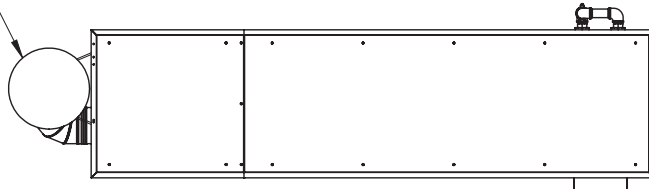
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

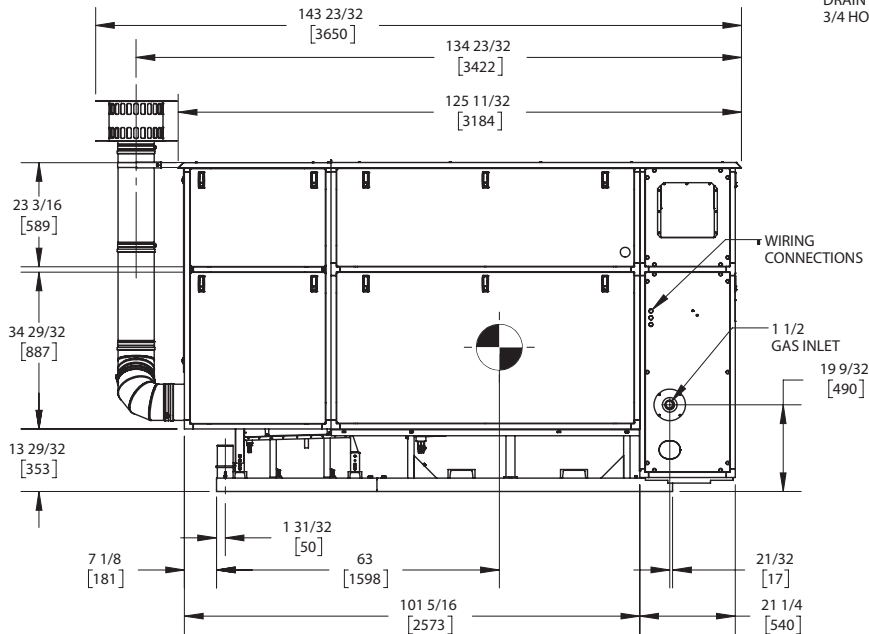
CSD-1	STANDARD
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OUTDOOR UNIT

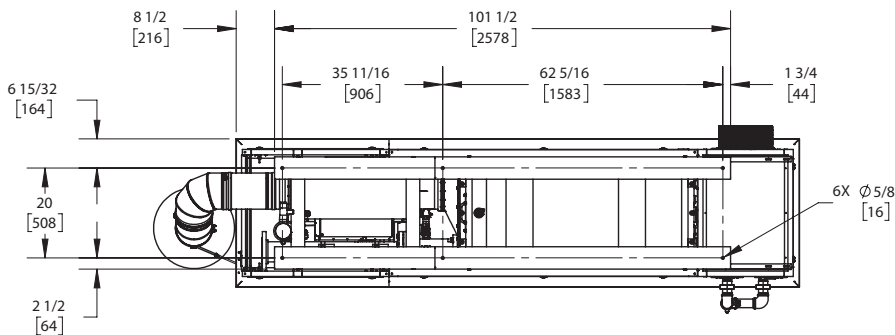
VENT
ASSEMBLY
CAP



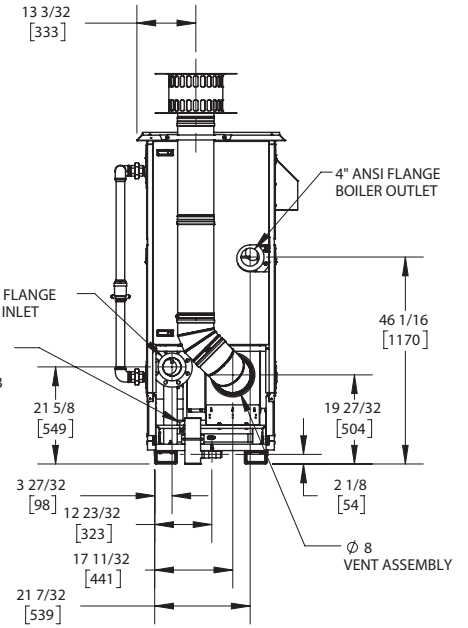
TOP VIEW
ASUB-00066_B



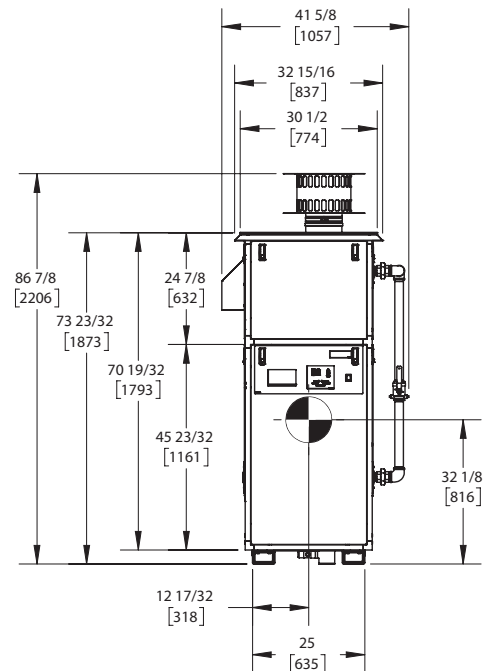
SIDE VIEW
ASUB-00066_B



BOTTOM VIEW
ASUB-00066_B



REAR VIEW
ASUB-00066_B



FRONT VIEW
ASUB-00066_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	11.3 A*
Input BTU/hr.	2,600,000 / 762 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	2,483,000 / 728 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	74.2	Water Volume	31.9 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	3840 lbs. / 1742 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit (Manual Reset)	Honeywell L4006E	L.W.C.O.	800
High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
Main Ball Valve	1-1/2" Apollo	Pilot Regulator	Maxitrol RV12LT
Pilot Cock	1/4" Conbraco		

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	93.08 Sq. Ft. / 8.65 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	99.53 Sq. Ft. / 9.25 Sq. M.		
CV. GPM (1PSID)	222		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
248.4	15.67	2.89	8.64	124.2	7.84	.72	2.16	82.8	5.22	.32	.96	62.1	3.92	.18	.54	49.7	3.13	.12	.35

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
49.7		248.4		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN26X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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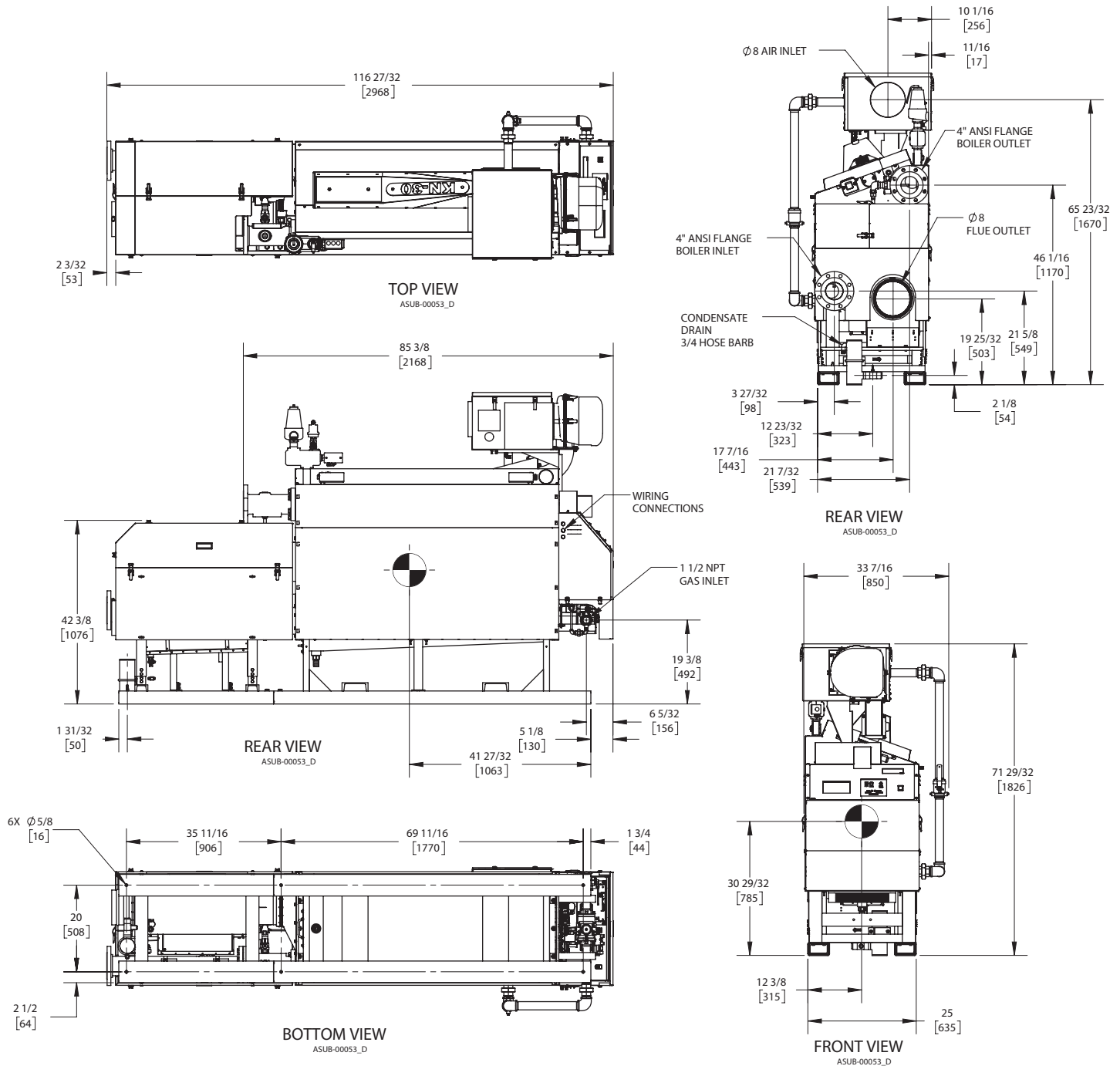
KN30+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1	STANDARD
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INDOOR UNIT



NOTES:

- 1.- SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	11.3 A*
Input BTU/hr.	3,000,000 / 879 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	2,856,000 / 837 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	85.3	Water Volume	35.9 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	4250 lbs. / 1928 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit (Manual Reset)	Honeywell L4006E	L.W.C.O.	800
High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
Main Ball Valve	1-1/2" Apollo	Pilot Regulator	Maxitrol RV12LT
Pilot Cock	1/4" Conbraco		

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	106.38 Sq. Ft. / 9.88 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	113.74 Sq. Ft. / 10.57 Sq. M.		
CV. GPM (1PSID)	246		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
285.7	18.03	3.11	9.30	142.9	9.01	.78	2.33	95.2	6.01	.35	1.03	71.4	4.51	.19	.58	57.1	3.61	.12	.37

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
57.1		285.7		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN30+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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KN30X+

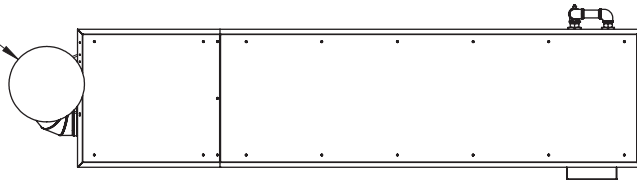
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

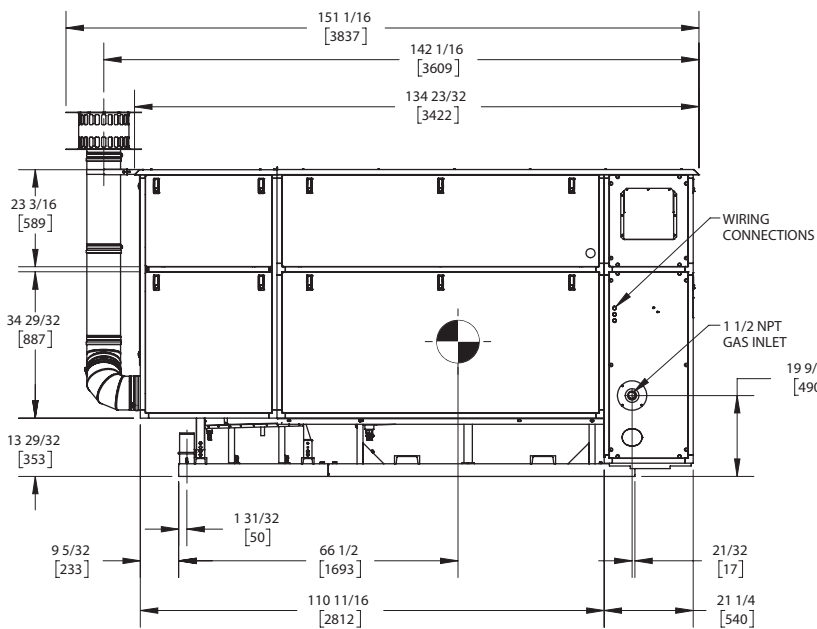
CSD-1	STANDARD
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OUTDOOR UNIT

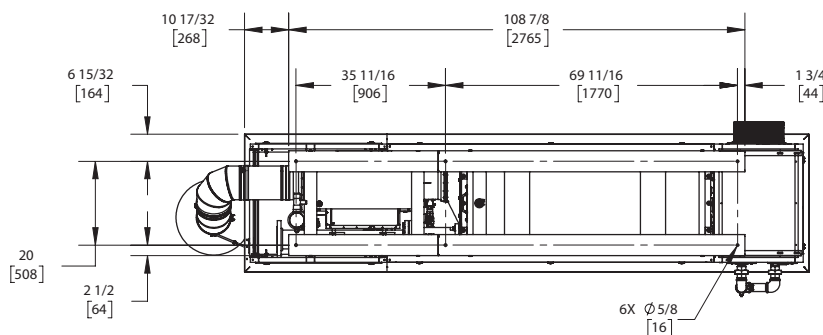
VENT
ASSEMBLY
CAP



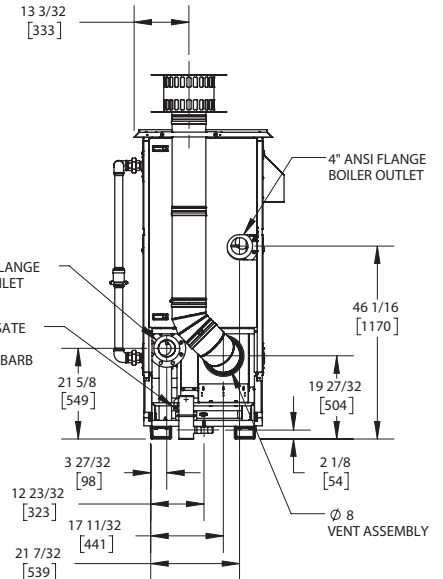
TOP VIEW
ASUB-00067_B



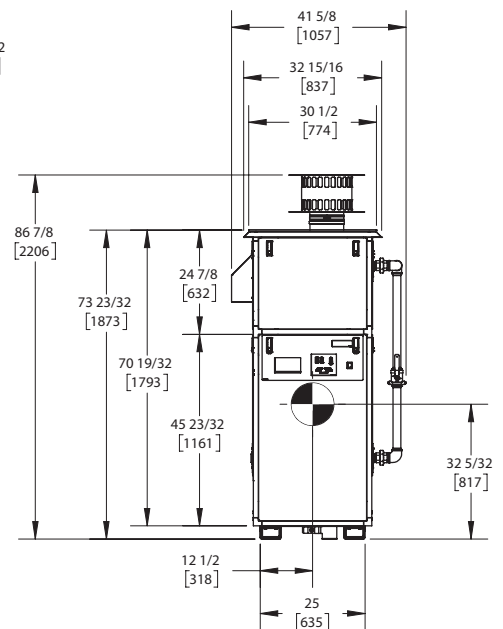
SIDE VIEW
ASUB-00067_B



BOTTOM VIEW
ASUB-00067_B



REAR VIEW
ASUB-00067_B



FRONT VIEW
ASUB-00067_B

NOTES:

1. SYMBOL INDICATES CENTER OF GRAVITY.
2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES [mm].



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	11.3 A*
Input BTU/hr.	3,000,000 / 879 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	2,853,000 / 836 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	85.2	Water Volume	35.9 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	4250 lbs. / 1928 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	1-1/2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit (Manual Reset)	Honeywell L4006E	L.W.C.O.	800
High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
Main Ball Valve	1-1/2" Apollo	Pilot Regulator	Maxitrol RV12LT
Pilot Cock	1/4" Conbraco		

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	106.38 Sq. Ft. / 9.88 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	113.74 Sq. Ft. / 10.57 Sq. M.		
CV. GPM (1PSID)	246		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
285.4	18.01	3.11	9.28	142.7	9.00	.78	2.32	95.1	6.00	.35	1.03	71.4	4.50	.19	.58	57.1	3.60	.12	.37

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
57.1		285.4		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN30X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information) A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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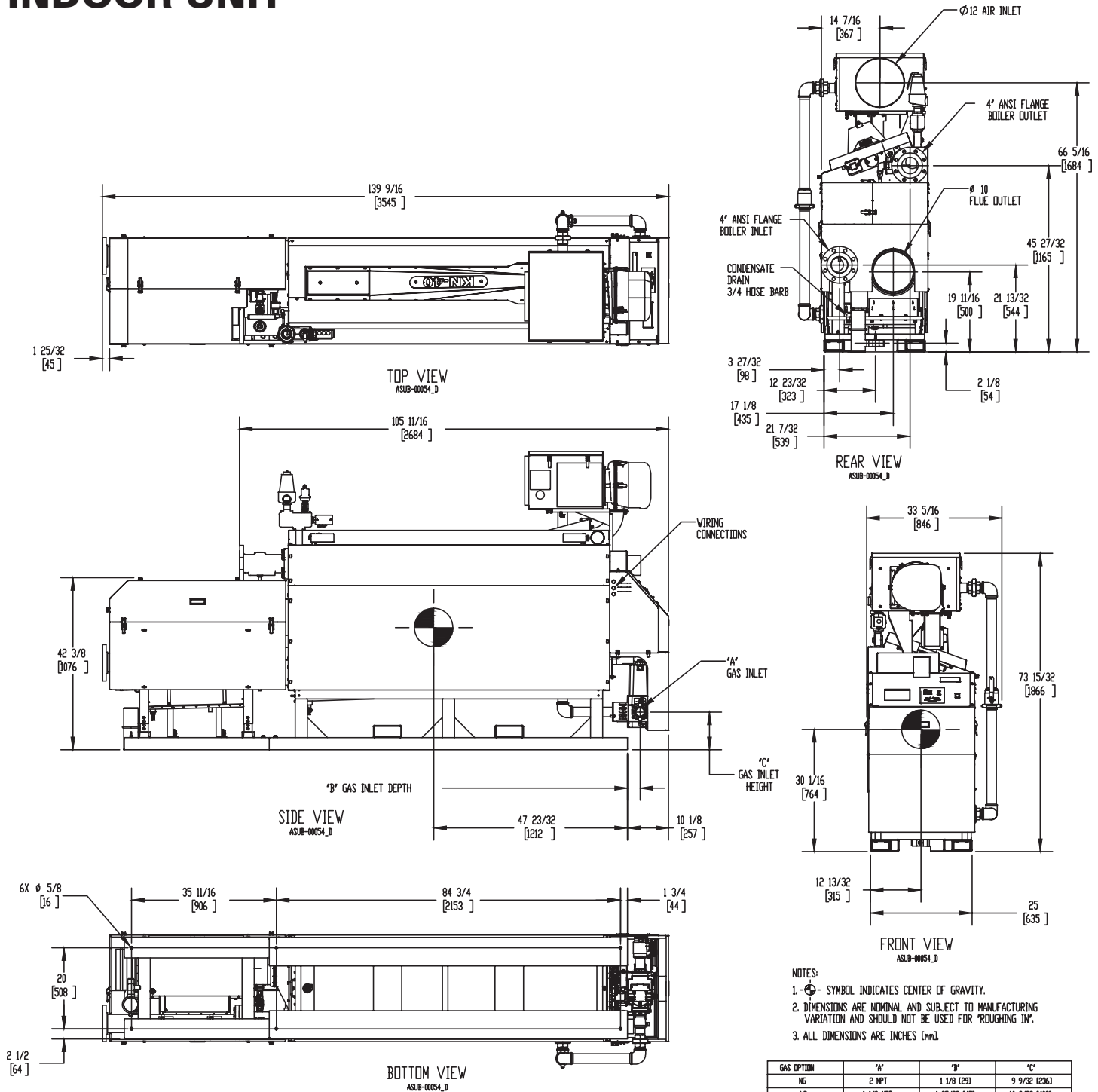
KN40+

Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1	STANDARD
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INDOOR UNIT



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	17.0 A*
Input BTU/hr.	4,000,000 / 1172 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	3,808,000 / 1116 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	113.8	Water Volume	47.1 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	5120 lbs. / 2322 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
High Limit (Manual Reset)	Honeywell L4006E	L.W.C.O.	800
High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
Main Ball Valve	2" Apollo	Pilot Regulator	Maxitrol RV12LT
Pilot Cock	1/4" Conbraco		

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	139.63 Sq. Ft. / 12.97 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	149.29 Sq. Ft. / 13.87 Sq. M.		
CV. GPM (1PSID)	271		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
381.0	24.03	4.56	13.63	190.5	12.02	1.14	3.41	127.0	8.01	.51	1.51	95.2	6.01	.28	.85	76.2	4.81	.18	.55

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
76.2		381.0		20		100		6		100		0		100	

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REP FIRM	_____	KN40+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information)  A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	

KN40X+

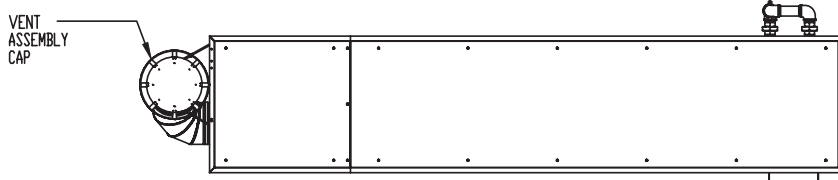
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

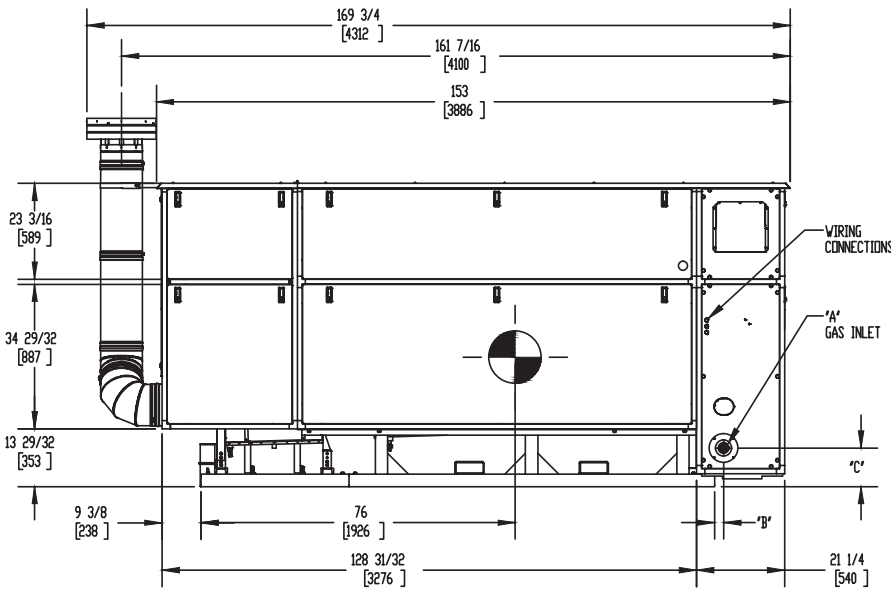
CSD-1

STANDARD

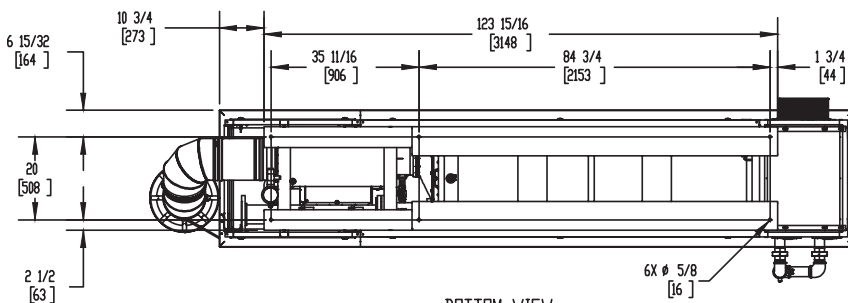
OUTDOOR UNIT



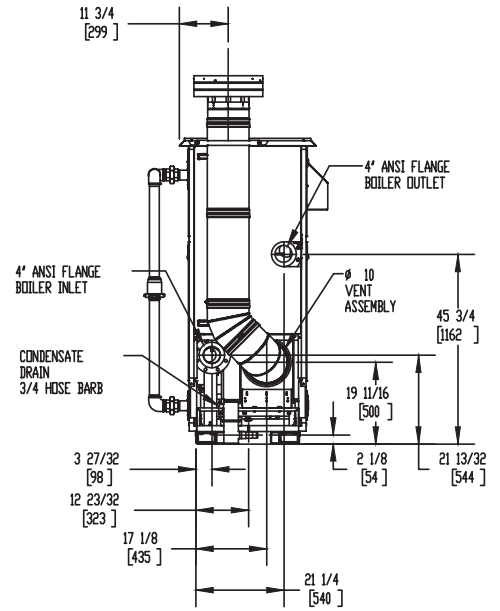
TOP VIEW
ASUB-00068_B



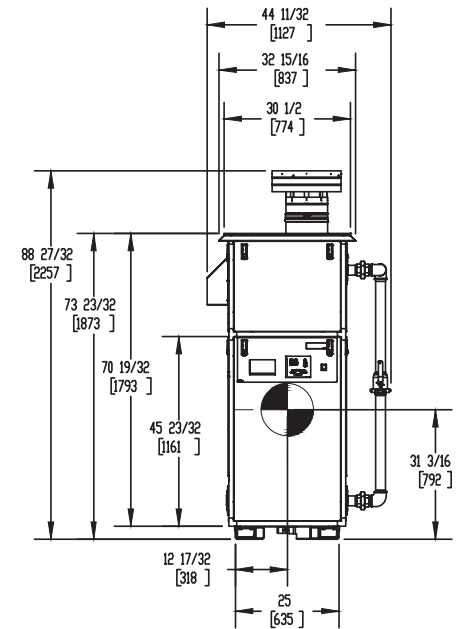
SIDE VIEW
ASUB-00068_B



BOTTOM VIEW
ASUB-00068_B



REAR VIEW
ASUB-00068_B



FRONT VIEW
ASUB-00068_B

NOTES:

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2. DIMENSIONS ARE NOMINAL AND SUBJECT TO MANUFACTURING VARIATION AND SHOULD NOT BE USED FOR "ROUGHING IN".
3. ALL DIMENSIONS ARE INCHES (mm).

GAS OPTION	"A"	"B"	"C"
NG	2 NPT	2-7/32	9-9/32
LP	1-1/2	2-7/8	16-3/32



A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/LP Gas	Boiler FLA	17.0 A*
Input BTU/hr.	4,000,000 / 1172 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	3,804,000 / 1115 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	113.6	Water Volume	47.1 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	5120 lbs. / 2322 kg.
SCCR Rating	5kA		

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba
Firing Valve	2" Apollo	Flow Sensor	SIKA
Ignition Control	Honeywell RM7895C	Blocked Flue Switch	Cleveland NS2
Operating Control	HeatNet®	Blower Motor	Ametek
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High Limit (Auto Reset)	Honeywell L4006A	Relief Valve	30, 50, 75 & 100 PSI
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Pilot Cock	1/4" Conbraco		

A.S.M.E.

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ASME Sect IV Water Side Htg Surface	149.29 Sq. Ft. / 13.87 Sq. M.		
CV. GPM (1PSID)	271		

*Add circulator amps.

TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				40°F / 22.2°C				60°F / 33.3°C				80°F / 44.4°C				100°F / 55.5°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
380.6	24.01	4.55	13.60	190.3	12.00	1.14	3.40	126.9	8.00	.51	1.51	95.1	6.00	.28	.85	76.1	4.80	.18	.54

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
76.1		380.6		20		100		6		100		0		100	

**Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

REP FIRM _____ SUBMITTED BY _____ JOB NAME _____ ARCHITECT _____ ENGINEER _____ CONTRACTOR _____ DATE _____	KN40X+ Category II or Category IV Appliance (see Installation and Operation Manual for venting information)  A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515
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