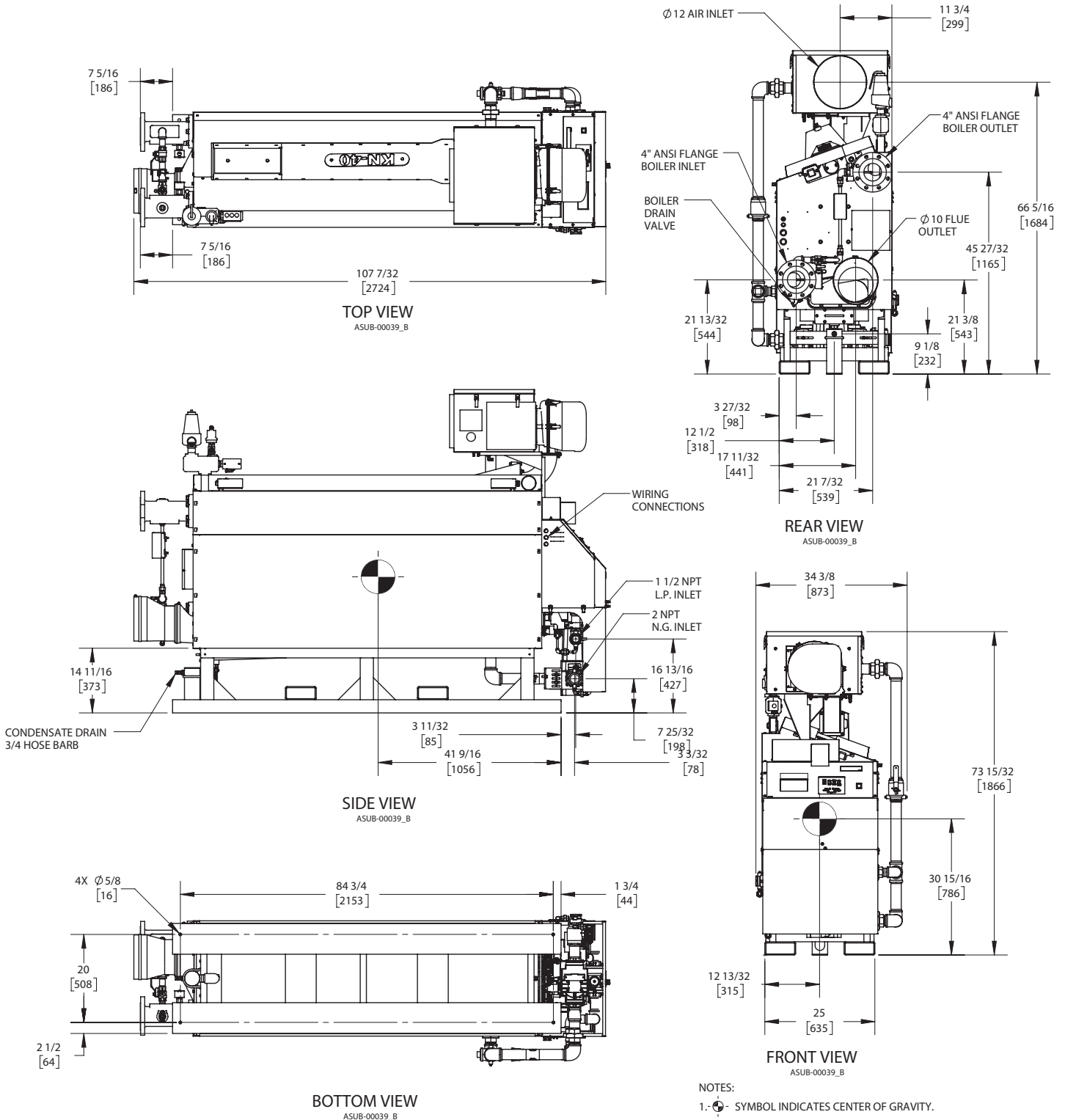


KN-40 - Dual Fuel

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

CODE OPTIONS

CSD-1	STANDARD
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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	14.9 A*
Input BTU/hr.	4000 MBH / 1172 KW	Min. Gas Pressure Required	3" W.C.
Output BTU/hr.	3540 MBH / 1037 KW	Max. Gas Pressure Allowed	14" W.C.
Boiler HP	105.8	Water Volume	41.6 gal.
Electrical Requirements	230VAC/60 hz/3PH	Operating Weight	4627 lbs. / 2101 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	134.23 Sq. Ft. / 12.47 Sq. M.	Design Data	100 PSI & 250°F
ASME Sect IV Water Side Htg Surface	142.17 Sq. Ft. / 13.21 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
354.1	22.3	3.94	11.8	177.1	11.2	.99	2.90	118.0	7.40	.44	1.30	88.5	5.60	.25	.70	70.8	4.50	.16	.50

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
70.8		354.1		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	_____	<h1>KN-40 - Dual Fuel</h1> <p>Category II or Category IV Appliance (see Installation and Operation Manual for venting information)</p>  <p>A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515</p>
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	