

## Single Stage Multi-Position Gas Furnace

 Project Name: **b&m bean**

 Unit Model #: **TG8S100B12MP11**

 Quantity: **1**

 System: **YCJD36S43S3, TG8S100B12MP11, FC43B3XC1**

### Cooling Performance

Total capacity	36.3 MBH
Sensible capacity	25.0 MBH
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	60.7 °F
Leaving WB temp.	57.5 °F

### Heating Performance

Entering DB temp.	60 °F
Heating output capacity (Max)	80 MBH
Supply air	1200 CFM
Heating input capacity (Max)	100 MBH
Leaving DB temp.	121.7 °F
Air temp. rise	61.7 °F
AFUE	80.0 %

### Supply Air Blower Performance

Supply air	1200 CFM
Ext. static pressure	0.6 IWG
Blower speed description	HIGH
Motor rating	0.33 HP
Elevation	62 ft.
Drive type	DIRECT

### Indoor Electrical Data

Power supply	115-1-60
Unit min circuit ampacity	7.50 Amps
Unit max over-current protection	10 Amps

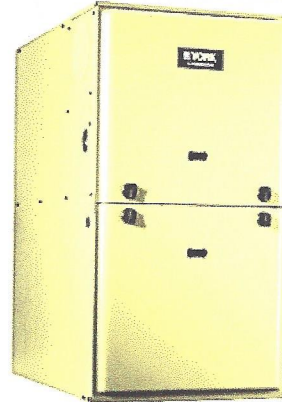
### Indoor Dimensions & Weight

Hgt	33 in.	Len	29.5 in.	Wth	17.5 in.
Weight with factory installed options					
					108 lbs.

### Matchup Information

ARI Reference Number	3741849
ARI Rated Capacity	35 MBH
ARI Rated Efficiency	13.00 SEER

Note: Please refer to the tech guide for listed maximum static pressures



### Unit Features

- Unit Cabinet Constructed of Pre-Painted Steel
- Sharp Edges Have Been Eliminated by Folding and Flattening the Sheet Metal
- Full-Gasket, Rigid Independent Access Doors With View Ports and 1/4 Turn Knobs
- Units are factory shipped for installation in upflow or horizontal applications and may be converted for downflow applications.
- Tubular Aluminized Steel Primary Heat Exchanger
- Propane Convertible
- Single-Stage Gas Valve
- Slide-Out Direct Drive Blower with Multi-Speed PSC Motor
- Airflow Leakage Rate of Less Than 1% of Total Airflow @ 1" ESP Under Duct Testing Conditions
- Built-In, High-Level Self-Diagnostic Controls with Fault Codes for Reliable Operation

### Warranty

- Five (5) Year Limited Parts Warranty
- Twenty (20) Year Limited Heat Exchanger Warranty

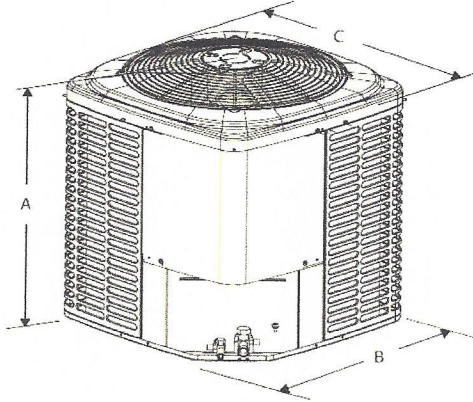
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Quantity: **1**

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### Unit Dimensions



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
30	28-1/4	24	24	3/8	3/4
36	28-1/4	29-1/2	29-1/2		
42	30-1/4	29-1/2	29-1/2		
48	30-1/4	29-1/2	29-1/2		7/8
60	32-1/4	34	34		
76	40-1/4	34	34	1/2	1-1/8

All dimensions are in inches and are subject to change without notice.  
Overall height is from bottom of base pan to top of fan guard.  
Overall length and width include screw heads.

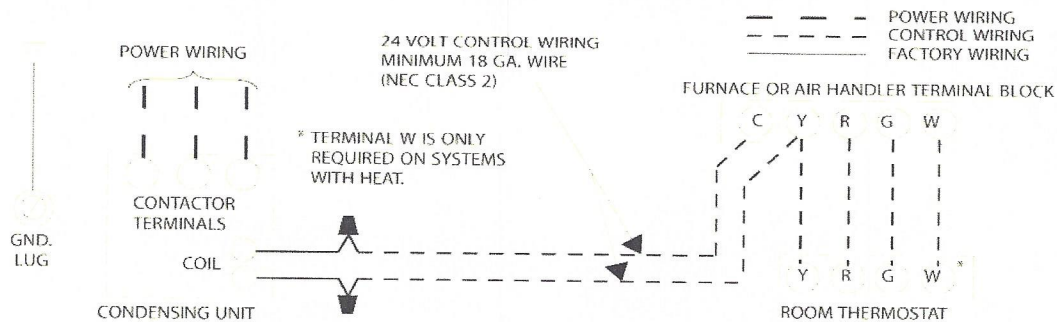
### SOUND POWER RATINGS

	Octave Band Sound Power Level (db re. 1-pW)								dBA
	63	125	250	500	1000	2000	4000	8000	
30S43	72	73	70	68	68	65	60	53	73
30S44	72	74	69	68	68	67	60	54	73
36S43	73	73	69	70	72	68	67	62	76
36S44	73	76	69	70	72	66	65	62	75
42S43	72	78	68	68	71	67	61	59	75
42S44	72	73	69	70	71	68	61	58	75
48S43	73	75	70	69	73	68	60	60	76
48S44	72	78	69	71	72	69	63	60	76
60S43	69	72	71	70	72	66	60	56	74
60S44	68	72	70	68	68	65	61	57	73
76S43	72	75	69	71	74	69	68	65	77
76S44	72	74	68	70	74	69	66	65	77

Rated in accordance with ARI Standard 270.

### TYPICAL FIELD WIRING

ALL FIELD WIRING TO BE IN ACCORDANCE WITH ELECTRIC CODE (NEC) AND/OR LOCAL CODES



ALL OUTDOOR WIRING MUST BE WEATHERPROOF. USE COPPER CONDUCTORS ONLY.