



Department of Facilities and Maintenance  
1364 Farmville Rd. Memphis, Tennessee 38122. (901) 416-9420

---

August 26, 2020

## Overview

Shelby Board of Education (SCBE) is replacing an 85 Gallon Commercial Gas 500k B.T.U. water heater at Cordova High School. Water Heater will be installed by SCS staff. See below for specifications for water heater. Specs must meet or exceed requirements listed below:

## Specs

- |                                 |                   |
|---------------------------------|-------------------|
| 1. Application:                 | Plumbing          |
| 2. Fuel Type:                   | Natural Gas       |
| 3. Height (Inches):             | Up to 82.25"      |
| 4. Vent Size:                   | Up to 8"          |
| 5. Vent Type:                   | Type B            |
| 6. Diameter (Inches)            | 27-3/4"           |
| 7. Efficiency:                  | 80%               |
| 8. Capacity (Gallons):          | 85                |
| 9. Water Connection:            | 1-1/2"            |
| 10. Gas Connection:             | 1"                |
| 11. ASME Rated:                 | Yes               |
| 12. BTU Input                   | 500,000           |
| 13. Weight (lbs):               | 820 lbs           |
| 14. Recovery 40 Degree F Rise:  | 1212 GPH          |
| 15. Recovery 100 Degree F Rise: | 485 GPH           |
| 16. Recovery 140 Degree F Rise: | 346 GPH           |
| 17. Max. Pressure (PSI):        | 160               |
| 18. Max. Temp. (F):             | 180 F             |
| 19. Max. Pressure:              | 14: W.C.          |
| 20. Voltage:                    | 120v              |
| 21. Hertz:                      | 60                |
| 22. Warranty:                   | 3 Year or greater |