

## SECTION 113100 - RESIDENTIAL APPLIANCES

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section Includes:
  - 1. Cooking appliances.
  - 2. Refrigeration appliances.
  - 3. Laundry appliances.

## 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, dimensions, furnished accessories, and finishes for each appliance.
- B. Product Schedule: For appliances. Use same designations indicated on Drawings.

## 1.4 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of appliance, from manufacturer.

## 1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For each residential appliance to include in operation and maintenance manuals.

## 1.6 QUALITY ASSURANCE

- A. Source Limitations: Obtain residential appliances from single source and each type of residential appliance from single manufacturer.
- B. Regulatory Requirements: Comply with the following:
  - 1. NFPA: Provide electrical appliances listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

- C. Accessibility: Where residential appliances are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines.

## PART 2 - PRODUCTS

### 2.1 MICROWAVE OVENS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. General Electric Company (GE); JVM1740DP.
  2. Sears Brands LLC (Kenmore); 85042.
  3. Whirlpool Corporation; WMH2175XVQ.
- B. Microwave Oven (MO-1):
1. Basis-of-Design Product: General Electric Company (GE); JVM1740DP.
  2. Mounting: Undercabinet.
  3. Type: Conventional.
  4. Dimensions:
    - a. Width: 30 inches (762 mm) nominal.
    - b. Depth: 15 inches (381 mm) nominal.
    - c. Height: 17 inches (432 mm) nominal.
  5. Capacity: 1.7 cu. Ft. (0.05 cu. m).
  6. Oven Door: Door with observation window and pull handle.
  7. Exhaust Fan: Variable-speed fan, nonvented, recirculating type with charcoal filter and with manufacturer's standard capacity.
  8. Microwave Power Rating: 1000 W.
  9. Electric Power Supply: 120 V, 60 Hz, 1 phase, 15 A.
  10. Controls: Digital panel controls and timer display.
  11. Other Features: Turntable.
  12. Material: Porcelain-enameled steel.
    - a. Color/Finish: White.

### 2.2 REFRIGERATOR/FREEZERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. General Electric Company (GE); GTH21KCX.
  2. Sears Brands LLC (Kenmore); 4672152.
  3. Whirlpool Corporation; WRT351SFY.
- B. Refrigerator/Freezer (RF-1): Two-door refrigerator/freezer with freezer on top and complying with AHAM HRF-1.

1. Basis-of-Design Product: General Electric Company (GE); GTH21KCX.
2. Type: Freestanding.
3. Dimensions:
  - a. Width: 33 inches (838 mm) nominal.
  - b. Depth: 31 inches (787 mm) nominal, minimum.
  - c. Height: 66 inches (1676 mm) nominal.
4. Storage Capacity:
  - a. Refrigeration Compartment Volume: 14.4 cu. ft. (0.42 cu. m) minimum.
  - b. Freezer Volume: 6.1 cu. ft. (0.18 cu. m) minimum.
5. Refrigerator Features:
  - a. Interior light in refrigeration compartment.
  - b. Temperature-controlled meat/deli bin.
6. Freezer Features:
  - a. Automatic defrost.
  - b. Automatic icemaker and storage bin.
7. Energy Performance, ENERGY STAR: Provide appliances that qualify for the EPA/DOE ENERGY STAR product labeling program.
8. Appliance Color/Finish: White.

### 2.3 WASHER/DRYER

- A. Basis of Design: GE Unitized Spacemaker® 3.8 DOE cu. ft. Capacity Washer with Stainless Steel Basket and 5.9 cu. ft. Capacity Long Vent Electric Dryer.
  1. Model: GUV27ESSMWW
  2. 75 7/8 in x 30 7/8 in x 26 3/4 in
  3. Other acceptable manufacturers are: LG, Whirlpool, Maytag
- B. Capacity
  1. Washer Capacity 3.80 cu ft
  2. Dryer Capacity 5.90 cu ft
  3. Wash Basket Type Stainless Steel
- C. Features:
  1. Fuel Type: Electric
  2. Number of Cycles: 11 Washer/4 Dryer
  3. Wash Mechanism: Single Action Agitator
  4. Washer Cycles Bulky Items; Casuals; Colors/Normal (Heavy, Normal, Light); Delicates; Drain + Spin; Speed Wash; Whites (Heavy, Normal, Light)
  5. Washer Options/Settings: Deep Rinse (select when using fabric softener)
  6. Dispenser Bleach; Fabric Softener
  7. Heat Selections 4

8. Wash/Rinse Temperatures 6
9. Wash/Spin Speed Combinations 1
10. Water Levels: Adaptive Fill + 4 levels
11. Control Type: Rotary Electromechanical
12. Cottons Cycle Auto; Less Dry; More Dry; Optimum Dry
13. Delicates Cycle: Auto; Less Dry; More Dry
14. Easy Care Cycle: Auto; Casuals; Less Dry; More Dry
15. Case Material: Steel
16. Maximum Spin Speed: 800 RPM
17. Drum Type: Dura Drum
18. --Additional Cycles Dewrinkle; Quick Fluff
19. Additional Dryer Features: Up-Front Lint Filter
20. Automatic Dry Control: Yes
21. Exhaust Options: 3-Way (Rear; Left; Right)
22. Long Vent Capability: Up to 200 feet
23. Timed Dry: 90 Minutes
24. Washer Control Features: LED Indicators
25. Additional Washer Features: Inlet Fill Hoses Included; Lid Latch

## 2.4 ELECTRIC RANGE

- A. Basis of Design: GE 30" Free-standing Electric Radiant Smooth Cooktop Range, Model JB480DMWW. Other acceptable manufacturers are LG and Samsung.
- B. Features:
  1. Configuration: Range with Storage Drawer
  2. Cooktop Burner Type: Radiant; Smoothtop
  3. Cooktop Surface: Black Ceramic Glass
  4. Control Location Front
  5. Element - Left Front 6" 1500W
  6. Element - Left Rear 8" 2000W
  7. Element - Right Front 8" 2000W
  8. Element - Right Rear 6" 1500W
  9. Heating Element "ON" Indicator Light
  10. Hot Surface Indicator Lights
  11. Oven Cleaning Type: Self-Clean
  12. Oven Control Features: Oven "ON" Light; Self-Cleaning Cycling Light
  13. Oven Features: 4-Pass Bake Element; 6-Pass Broil Element
  14. Oven Rack Features: 2 Oven Racks; 6 Rack Positions
  15. Storage Drawer Features Removable Full-Width
  16. Cooking Technology: Traditional
  17. Oven Interior: 1 Incandescent
- C. Approximate Dimensions (H x D x W): 47 in x 29 in x 30 in
- D. Capacity: Total Capacity (cubic feet) 5 cu ft

## 2.5 MICROWAVE

- A. Basis of Design: GE Profile™ Series 2.2 Cu. Ft. Countertop Sensor Microwave Oven, Model PES7227DLWW. Other acceptable manufacturers are LG and Samsung.
- B. Features:
  - 1. Control Type: Electronic Touch
  - 2. Cooking Technology Microwave
  - 3. Electronic Digital Display with Clock, (LED)
  - 4. Microwave Watts (IEC-705) 1100.00 W
  - 5. Power Levels 10
  - 6. Sound Volume Control On/Off
  - 7. Timer (On/Off)
  - 8. Turntable Glass: Recessed
  - 9. Turntable Size: 16.50 in
  - 10. Microwave Sensor Cooking Controls Beverage; Defrost: Weight/Time; Healthy Menu; Melt/Softening; Popcorn; Potato; Reheat; Vegetable
  - 11. Control Features: Add 30 Seconds; Cancel/Off; Clock Saver; Cook Time; Help; Power Level; Set Clock; Sound; Start/Pause; Timer On/Off
  - 12. Microwave Oven Interior: Epoxy Coated
  - 13. Power Cord Length: 41"
  - 14. 2.2 cu. ft. capacity - 1100 watts (IEC-705 test procedure)
  - 15. Sensor cooking controls - Automatically adjusts time and power for delicious cooking results
  - 16. Weight and time defrost - Simply enter the weight of the food, and the oven automatically sets the optimal defrosting time and power level or set your desired time for defrosting
  - 17. Extra-large 16" turntable - Rotates food throughout the cycle and accommodates large cookware
  - 18. Instant On controls - One-touch instant operation
  - 19. Control lockout – to help prevent accidental activation
  - 20. Kitchen timer - Minute timer.

## 2.6 DUCTLESS EXHAUST HOOD

- A. Basis of Design: GE® 30" ENERGY STAR Certified Under The Cabinet Hood, Model J VX5305DJWW. Other acceptable manufacturers are LG and Samsung.
- B. Features:
  - 1. Control Location: Front
  - 2. Control Type: Rocker Switch
  - 3. Cooktop Lighting: Dual LED
  - 4. Recirculating Exhaust
  - 5. Fan Speed Control 2-Speed, 270 -CFM
  - 6. Filter Cleaning Dishwasher Safe
  - 7. Light Controls On/Off
  - 8. Removable Grease Filter(s)
  - 9. CFM/ Sones Rating 100/1.5 (Low Speed); 270/4.5 (High Speed)
  - 10. Accessories JXCF55 - Charcoal Filter; JXHC1 Power Cord Kit

## 2.7 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, power connections, and other conditions affecting installation and performance of residential appliances.
- B. Examine roughing-in for piping systems to verify actual locations of piping connections before appliance installation.
- C. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written instructions.
- B. Built-in Equipment: Securely anchor units to supporting cabinets or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and that rough openings are completely concealed.
- C. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly operate equipment.
- D. Utilities: Comply with plumbing and electrical requirements.

### 3.3 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain residential appliances.

END OF SECTION 113100