SECTION 11 23 00

COMMERCIAL LAUNDRY EQUIPMENT

\*\* NOTE TO SPECIFIER \*\* Girbau North America; Commercial industrial laundry equipment, waster-extractors, drying tumbles, ironers, ironing systems.  
  
This section is based on the products of Girbau North America, which is located at:2500 State Rd. 44Oshkosh, WI 54904Toll Free Tel: 800-256-1073Tel: 920-231-8222 Fax: 920-231-4666 Email: [request info (talbright@cgilaundry.com)](https://arcat.com/rfi?action=email&company=Girbau%252BNorth%252BAmerica&message=RE%253A%2520Spec%2520Question%2520(11110con)%253A%2520&coid=44467&spec=11110con&rep=&fax=920-231-4666%2520)  
Web: <https://gnalaundry.com>   
  
 [ [Click Here](https://arcat.com/company/girbau-north-america-44467) ] for additional information.   
  
Girbau North America is the largest of nine company-owned subsidiaries of Girbau S.A., based in Vic, Spain. The company markets its industrial and commercial laundry products to more than 80 countries worldwide and has a history of over 80 years of successful product performance, quality and durability in laundries around the globe. Continental laundry products meet rigorous environmental and safety standards including ISO9001 and ISO14001.  
  
A Size for Every Need -from large five-star hotels to small volunteer fire departments and any size in between, Continental can provide properly sized equipment.  
  
Delivering "Green" Efficiency-Our high-performance washers use up to 50 percent less water than some frontload washers! They also curb gas and electricity-making it easy to employ "green" practices while decreasing operating expenses.  
  
Easy Installation-Our high-performance washers do not require reinforced concrete foundations-making install easy and giving architects more design freedom when including a laundry room.  
  
Personal Service-The Continental team takes pride in assisting customers with questions before, during and after the sale. We will even provide FREE laundry room layouts.  
  
Outstanding Warranties-Continental stands behind its products, carrying solid factory warranties on all laundry equipment.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Commercial Laundry Equipment of the Following Types:
       1. Washer - extractors.
       2. Drying tumblers.
       3. Flatwork ironers.
       4. Ironing systems.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 22 14 13 - Facility Storm Drainage Piping.
    2. Section 22 13 26 - Sanitary Waste Separators.
    3. Section 23 11 23 - Facility Natural-Gas Piping.
    4. Section 22 31 00 - Domestic Water Softeners.
    5. Section 23 30 00 - HVAC Air Distribution.
    6. Section 26 05 00 - Common Work Results for Electrical.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Provide drawings depicting the plan and elevation views of each model specified, with notations for supply and waste line connections, chemical connections, steam supply, electrical connections, handing and any other pertinent placement information. Coordinate with locations found on the Contract Drawings.
     4. Verification Samples: For each finish product specified, two samples that depict the actual product, color, and pattern.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: All primary products specified in this section shall be supplied by a single manufacturer with a minimum of (10) ten years of Commercial and Industrial Laundry Equipment Manufacturing experience.
     2. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing products of the same type and scope as specified.
     3. Certifications:

\*\* NOTE TO SPECIFIER \*\* Retain only certifications applicable to products specified in this section and delete all others.

* + - 1. Washer-Extractors: Listed with CSA, ETL, ISO 9001 and 14001 Quality and Environmental Impact Standards.
      2. Top load Washers: UL, CSA Listed
      3. Dryers: UL, ETL, CSA Listed.
      4. Ironers: Listed with CSA or ETL, ISO 9001 and 14001 Quality and Environmental Impact Standards.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation. Handle in accordance with manufacturer�s recommendations.
  2. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  3. WARRANTY
     1. Warranty: At project closeout, provide to Owner or Owners Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.

\*\* NOTE TO SPECIFIER \*\* Retain only warranty information for products specified in this section. Delete all products not required.

* + - 1. Washer-Extractors
         1. Parts: Three (3) years on all machine parts from date of installation or three and one half (3 1/2) years from date of manufacture; which-ever comes first.
         2. Washer Mainframe, inner cylinder, including shaft and coupler, bearings and seals: Five (5) years from the date of installation or five and one half (5 1/2) years from the date of manufacture; which-ever comes first.
      2. Top load Washers: Three (3) Years on all machine parts from date of installation. Dryers: Three (3) Years on all machine parts from the date of installation.
      3. Ironers:
         1. Heated Roll: Seven (7) years on parts.
         2. Mainframe: Five (5) years on parts.
         3. Machine components (excluding ribbons): Three (3) years on parts from date of installation or three and one half (3 1/2) years from date of manufacture.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Girbau North America, Inc. Brands; Continental Girbau, Girbau Industrial, Sports Laundry Systems, Poseidon, OnePress, Econo, which is located at: 2500 State Rd. 44; Oshkosh, WI 54904; Toll Free Tel: 800-256-1073; Tel: 920-231-8222 ; Fax: 920-231-4666 ; Email: request info (info@gnalaundry.com); Web:www.gnalaundry.com

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

\*\* NOTE TO SPECIFIER \*\* Retain only models required and delete all others. Delete the entire next article if E Series Washers are not specified.

* 1. E-SERIES WASHER - EXTRACTORS
     1. E-Series Washer-Extractor General Characteristics:
        1. Cylinder (inner/outer) module front face material: AISI Type 304. Cabinet (Top/Lower Front/ Pillars/Sides) material: Titan steel finish.
        2. Noise and In-Line Filters:
           1. No more than 70 dB (Measured Equivalent Continuous) at the workstation of the unit.
           2. Standard in-line circuit filters that reduce induced noise and radiating noise for output wiring.
           3. Standard in-line DC reactor for improving the input power-factor and reducing harmonics when the voltage imbalance exceeds 2 percent.
        3. Wash Wheel and Lifters:
           1. Wash wheel polished to a clean finish and free of bolts and visible welds.
           2. Funneled tub perforations in order to protect wash items damage caused from sharp edges.
           3. Tub lifter with top and side perforations that lift and drop water and wash items together providing superior load saturation, chemical penetration and improved rinsing.
        4. Bearing Housing/Protection: Solid one (1) piece construction for optimum structural support and must have an in-line bearing protection weep system allowing any moisture that may breach the seal to be drained away before reaching the main bearing.
        5. Suspension System: Unit equipped with an internal suspension system capable of absorbing up to 95 percent of transmitted load dynamic energy (vibration) and isolating it away from electrical components, major mechanical components (bearings, shaft, frame) and the floor. Unit shall be freestanding and not require bolt down or pin attachment to floor structure and should require no additional foundation from standard commercial concrete for mounting.

\*\* NOTE TO SPECIFIER \*\* Logi Control is optional Delete the next 6 paragraphs if Logi Control is not specified.

* + 1. E-Series Washer-Extractor - Logi Control General Characteristics:
       1. Programmable Extraction: High extract shall be a minimum of 351 G-force with the ability to program any one of six (6) extract speeds.
       2. Cycle Selection: Maximum of eight (8) laundry cycles to ensure maximum simplicity. Cycles may be customized to adapt to specific linen processing requirements with the ability to program a minimum of two (2) and no more than nine (9) baths (fills) to ensure thorough cleaning and flexibility.
       3. Programmable Controls:
          1. Programmable microprocessor control with 8-cycle programs with the ability to program up to nine (9) phases. A phase consists of no less than four (4) programmable fill levels, adjustable fill temperatures in six of nine phases, automatic chemical injection and the ability to program at least three (3) on/off rotation combinations for flush, wash and rinse phases.
          2. Programming of up to eight (8) minutes per phase for flush and rinse baths and at least twenty (20) minutes for wash, programmable extract, delay start control, display cycle progress through LED indicator located on control panel and shall allow management to limit operator programming through the use of a secret access code and cycle lockout function.
       4. Water Temperature Control: Thermostatically controlled water inlet valve. Operator may set pre-set wash temperatures from 32 degrees F to 140 F (0 - 40 degrees C) for designated phases. Wash phase shall allow programmable temperatures from 32 degrees F to 194 degrees F (0 - 90 degrees C) to adapt to specific linen treatment specifications and/or government sanitary regulations.
       5. Progressive Cool Down: Capable of a gradual reduction of water temperature from wash to rinse so to reduce fabric shock/wrinkles. Reduction shall be no more than 7 degrees F per minute from 194 degrees F to 130 degrees F (90 degrees C - 54 degrees C).
       6. Automatic Chemical Injection Chemical Dispenser: Eight (8) independent chemical injection connections for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals. For safety purposes all connection ports shall be mounted on the rear of the machine. Top mounted four (4) compartment pre-wash and wash detergent / bleach / softener dispenser. The chemistry from liquid supply or hopper compartments must be able to be dispensed automatically at the appropriate time of the cycle only after being diluted with water. The chemical water solution is dispensed to the load below water level to protect the load from possible chemical damage.

\*\* NOTE TO SPECIFIER \*\* LogiPro Control is optional, only available on EH020 thru EH040. Delete the next paragraph if LogiPro Control is not specified.

* + 1. E-Series Washer-Extractor - LogiPro Control General Characteristics:
       1. Programmable Extraction: High extract shall be a minimum of 300 G-force with the ability to program extract not to exceed 100 G-force and any one of six (6) extract speeds including "0" no extract.
       2. Cycle Selection: Maximum of twenty-five (25) laundry cycles to ensure maximum simplicity. Cycles may be customized to adapt to specific linen processing requirements with the ability to program a minimum of two (2) and no more than eleven (11) phases (bath exchanges) to ensure thorough cleaning and flexibility.
       3. Programmable Controls:
          1. Programmable microprocessor control with 25-cycle programs with the ability to program up to eleven (11) phases. A phase consists of no less than six (6) programmable fill levels, adjustable fill temperatures from 32 degrees F to 194 degrees Fahrenheit (0 - 90 degrees Celsius) in all 11 phases, automatic chemical injection, chemical pump timing signal and the ability to program at least three (3) on/off rotation combinations and no rotation for flush, wash and rinse phases.
          2. Programming of up to twenty (20) minutes per phase for flush, wash and rinse baths and programmable extract in each phase up to 9 minutes, delay start control, display cycle progress through LED indicator located on control panel and shall allow management to limit operator programming through the use of a secret access code and cycle lockout function.
       4. Water Temperature Control: Thermostatically controlled water inlet valve. Operator may set pre-set wash temperatures from 32 degrees F to 194 degrees Fahrenheit (0 - 90 degrees Celsius) for phases (baths) one (1) to eleven (11). All phases shall allow programmable temperature to adapt to specific linen treatment specifications and/or government sanitary regulations.
       5. Progressive Cool Down: Capable of a gradual reduction of water temperature from wash to rinse so to reduce fabric shock/wrinkles. Reduction shall be no more than 7 degrees Fahrenheit per minute from 194 degrees Fahrenheit to 130 degrees Fahrenheit (90 degrees Celsius - 54 degrees Celsius).
       6. Rinse Hold: When selected by the operator, will automatically halt the selected bath until the operator advances the machine past �hold� and allows the machine to complete the cycle.
       7. Delay Start: Programmable cycle start option programmable by selecting the cycle and activating the feature. This programmable clock is set by programming the 24-hour clock time if start.
       8. Automatic Chemical Injection Chemical Dispenser: Four (4) independent chemical injection connections (model EH020) for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals. For safety purposes all connection ports shall be mounted on the rear of the machine. Top mounted four (4) compartment pre-wash and wash detergent / bleach / softener dispenser. The chemistry from liquid supply or hopper compartments must be able to be dispensed automatically at the appropriate time of the cycle only after being diluted with water. The chemical water solution is dispensed to the load below water level to protect the load from possible chemical damage.

\*\* NOTE TO SPECIFIER \*\* Inteli Control is optional. Delete the next paragraph if Inteli Control is not specified.

* + 1. E-Series Washer-Extractor - Inteli Control General Characteristics:
       1. Wash / Extraction Speeds: Programmability of at least five (5) wash rotation pauses and least four (4) wash rotation speeds and at least six (6) levels of extract by phase. High extract is a minimum of 351 G-Force and Maximum of 405 G-force with the ability to program extract not to exceed 100 G-force and any one of six (6) extract speeds including "0" no extract.
       2. Cycle Selection: At least 20 preprogrammed laundry cycles and 79 fully programmable cycles. The programmable cycles shall allow flexibility of as few as one (1) Phase / bath or as many as 21 phase / bath exchanges to ensure proper load processing and flexibility.
       3. Programmable Controls:
          1. 79 fully programmable cycles with the ability to program manually at the machine or via a card download interface for maximum speed and accuracy for multiple machines or locations.
          2. Up to 21 phases or bath exchanges. A phase (bath) consists of no less than six (6) programmable fill levels, adjustable fill temperatures, programmable thermostatic cool down, automatic chemical dispensing and or injection and the ability to select at least five (5) on/off rotation combinations of speed and duration for wash, variable wash time and 6 variable extract speeds for all programmed phases.
          3. Display cycle progress through LED indicator using words and icons located on control panel and shall allow management to limit operator programming through the use of a secret access code and cycle lockout function.
       4. Water Temperature Control: Thermostatically controlled water inlet valve. Operator may pre-set all phase bath temperatures from 32 degrees F to 194 degrees F (0 - 90 degrees C) to adapt to specific linen treatment specifications and/or government sanitary regulations.
       5. Progressive Cool Down: Capable of a gradual reduction of water temperature from wash to rinse so to reduce fabric shock/wrinkles. Allows at least four (4) programmable levels of gradient reduction per minute including: 2, 5.5, 9 and 18 degrees F.
       6. Automatic Chemical Injection Chemical Dispenser: Unit shall provide eight (8) independent chemical injection connections for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals with an option for twelve (12), EH030, EH040 models and twelve (12) independent activation signals standard for the EH090, EH130, EH255 models. For safety purposes all connection ports shall be mounted on the rear of the machine. Unit shall be equipped with a top mounted four (4)-compartment pre-wash and wash detergent/ bleach/softener dispenser. The chemistry from liquid supply or hopper compartments must be able to be dispensed automatically at the appropriate time of the cycle only after being diluted with water. The control shall allow for the hopper and liquid injection signals to be controlled independently and allow for signal duration/flush programming. The chemical water solution shall be delivered to the load below water level to protect the load from possible chemical damage.
    2. Model: EH020 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 20 lbs (8-9 kg).
          2. Volume: 2.8 cu ft (79.2 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 21.1 inches (536 mm).
          2. Cylinder Depth: 13.8 inches (351 mm).
          3. Height: 42.5 inches (1080 mm).
          4. Width: 27 inches (685 mm).
          5. Depth: 27.6 inches (700 mm).
          6. Door Opening: 12.7 inches (322 mm).
          7. Floor to Door Height: 15.4 inches (390 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 115-pounds with a frequency of 16.2 Hz.
       4. Control Type: LogiPro Control.
       5. Performance:
          1. Washing Speed: 50 RPM.
          2. Spin Speeds: 50/100/400/600/800/970 RPM.
          3. G-Force: 0.75/3/100/143/183/300.
       6. Mechanical:

\*\* NOTE TO SPECIFIER \*\* Select Drain size. 1 inch for pump drain, 2 inch for gravity drain. Delete one of the next two paragraphs.

* + - * 1. Drain: 1 inch (25.4 mm) Pump Drain.
        2. Drain: 2 inches (51 mm) Gravity Drain.
        3. Inlets: 3/4 inch (19 mm).
        4. Water Pressure: 30 to 60 psi (2 - 4 bar).
        5. Water Flow Rate: 8 gal / min (30 l/min).
        6. Motor Power: 0.8 kW.
        7. Modified Energy Factor (MEF): 2.21.
        8. Water Consumption Factor (WCF): 5.03.
      1. Power: 120V/60Hz/Single Phase.
    1. Model: EH030 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 30 lbs (13-14 kg).
          2. Volume: 4.4 cu ft (126 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 24.4 inches (620 mm).
          2. Cylinder Depth: 16.4 inches (416 mm).
          3. Height: 52.2 inches (1325 mm).
          4. Width: 31.3 inches (796 mm).
          5. Depth: 34.9 inches (887 mm).
          6. Door Opening: 12.9 inches (327 mm).
          7. Floor to Door Height: 20 inches (509 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 201-pounds with a frequency of 16.7 Hz.
       4. Performance:
          1. Spin Speeds: 46.5/100/400/600/800/1000 RPM.
          2. G-Force:.75/3/56/125/222/350.

\*\* NOTE TO SPECIFIER \*\* Select Control Type. Delete one of the next two paragraphs.

* + - 1. Control Type: Logi Control - wash speed 46.5 RPM.
      2. Control Type: Inteli Control - Programmable wash speeds 17min - 44max RPM.
      3. Mechanical:
         1. Drain: 3 inches (76 mm).
         2. Inlets: 3/4 inch (19 mm).
         3. Water Pressure: 30 to 60 psi (2 - 4 bar).
         4. Water Flow Rate: 16 gal/min (60 l/min).
         5. Motor Power: 0.87 kW.
         6. Modified Energy Factor (MEF): 2.08.
         7. Water Consumption Factor (WCF): 4.68.
      4. Power: 208-240V/60Hz/Single Phase (standard).

\*\* NOTE TO SPECIFIER \*\* Auxiliary heating is optional. Delete two of the next three paragraphs is auxiliary heat is specified, or all three paragraphs is auxiliary heating is not required.

* + - 1. Auxiliary Heating: Electric- 208V/60Hz/Single Phase.
         1. Heating Element: 6.4 kW.
      2. Auxiliary Heating: Electric- 240V/60Hz/Single Phase.
         1. Heating Element: 8.4 kW.
      3. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 176 lbs/hr (80 kg/hr).
    1. Model: EH040 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 40 lbs (16-18 kg).
          2. Volume: 6.1 cu ft (173 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 27.6 inches (700 mm).
          2. Cylinder Depth: 17.7 inches (450 mm).
          3. Height: 55.3 inches (1404 mm).
          4. Width: 34.2 inches (868 mm).
          5. Depth: 37.9 inches (962 mm).
          6. Door Opening: 16.8 inches (426 mm).
          7. Floor to Door Height: 20.3 inches (515 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 212-pounds with a frequency of 15.8 Hz.
       4. Performance:
          1. Spin Speeds: 44/100/350/550Hz/750Hz/950 RPM.
          2. G-Force: 0.75/4/48/119/221/354.

\*\* NOTE TO SPECIFIER \*\* Select Control Type. Delete one of the next two paragraphs.

* + - 1. Control Type: Logi Control - wash speed 44 RPM.
      2. Control Type: Inteli Control - Programmable wash speeds 17min - 44max RPM:
      3. Mechanical:
         1. Drain: 3 inches (76 mm).
         2. Inlets: 3/4 inch (19 mm).
         3. Water Pressure: 30 to 60 psi (2 - 4 bar).
         4. Water Flow Rate: 16 gal/min (60 l/min).
         5. Motor Power: 1.6 kW.
         6. Modified Energy Factor (MEF): 1.96.
         7. Water Consumption Factor (WCF): 5.04.
      4. Power: 208-240V/60Hz/Single Phase (standard).

\*\* NOTE TO SPECIFIER \*\* Auxiliary heating is optional. Delete two of the next three paragraphs is auxiliary heat is specified, or all three paragraphs is auxiliary heating is not required.

* + - 1. Auxiliary Heating: Electric- 208V/60Hz/Single Phase.
         1. Heating Element: 8.1 kW.
      2. Auxiliary Heating: Electric- 240V/60Hz/Single Phase.
         1. Heating Element: 10.6 kW.
      3. Auxiliary Heating: Steam:
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 176 lbs/hr (80 kg/hr).
    1. Model: EH060 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 60 lbs (24-26 kg).
          2. Volume: 8.44 cu ft (228 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 30.1 inches (765 mm).
          2. Cylinder Depth: 20.5 inches (520 mm).
          3. Height: 58.1 inches (1477 mm).
          4. Width: 38.4 inches (975 mm).
          5. Depth: 48.2 inches (1225 mm).
          6. Door Opening: 16.8 inches (427 mm).
          7. Floor to Door Height: 22.9 inches (581 mm).
       3. Static Load Transfer: 1528 lbs (693 kg)
       4. Dynamic Load: Dynamic load to floor shall not exceed 291-pounds with a frequency of 16.1 Hz.
       5. Performance (preset from factory):
          1. Washing Speed: 42 RPM
          2. Spin Speeds: 42/86/335/530/698/930 RPM.
          3. G-Force: 0.75/3.2/52/130/225/400

\*\* NOTE TO SPECIFIER \*\* Select Control Type. Delete one of the next two paragraphs.

* + - 1. Control Type: Logi Control wash speed 42 RPM
      2. Control Type: Inteli Control - Programmable wash speeds 16min - 42max RPM
      3. Mechanical:
         1. Drain: 3 inches (76 mm).
         2. Inlets: 3/4 inch (19 mm).
         3. Water Pressure: 30 to 60 psi (2 - 4 bar).
         4. Water Flow Rate: 16 gal/min (60 l/min).
         5. Motor Power: 1.88 kW.
         6. Modified Energy Factor (MEF): 2.34.
         7. Water Consumption Factor (WCF): 4.09.
      4. Power: 208-240V/60Hz/Three Phase. (Standard).

\*\* NOTE TO SPECIFIER \*\* Auxiliary heating is optional. Delete two of the next three paragraphs is auxiliary heat is specified, or all three paragraphs is auxiliary heating is not required.

* + - 1. Auxiliary Heating: Electric - 208V/60Hz/Three Phase.
         1. Heating Element: 15.4 kW.
      2. Auxiliary Heating: Electric - 240V/60Hz/Three Phase.
         1. Heating Element: 20.3 kW.
      3. Auxiliary Heating: Steam:
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 176 lbs/hr (80 kg/hr).
    1. Model: EH070 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 70 lbs (28-30 kg).
          2. Volume: 9.9 cu ft (320 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 32.5 inches (825.5 mm).
          2. Cylinder Depth: 20.9 inches (531 mm).
          3. Height: 59.1 inches (1501 mm).
          4. Width: 41.5 inches (1054 mm).
          5. Depth: 52 inches (1321 mm).
          6. Door Opening: 16.8 inches (427 mm).
          7. Floor to Door Height: 23.6 inches (600 mm).
       3. Static Load Transfer: 1790 lbs (812 kg)
       4. Dynamic Load: Dynamic load to floor shall not exceed 403-pounds (183-kg) with a frequency of 15.5 Hz.
       5. Performance (preset from factory):
          1. Washing Speeds: Programmable wash speeds 16min - 42max RPM
          2. Spin Speeds: 83/335/530/698/937 RPM.
          3. G-Force: 3.17/52/130/225/405
       6. Control Type: Inteli Control
       7. Mechanical:
          1. Drain: 3 inches (76 mm).
          2. Inlets: 2 @ 3/4 inch (19 mm).
          3. Water Pressure: 30 to 60 psi (2 - 4 bar).
          4. Water Flow Rate: 16 gal/min (60 l/min).
          5. Motor Power: 3.0 kW.
       8. Power: 208-240V/60Hz/Three Phase. (Standard).

\*\* NOTE TO SPECIFIER \*\* Auxiliary heating is optional. Delete the paragraph not required. Delete both paragraphs if auxiliary heating is not required.

* + - 1. Auxiliary Heating: Electric - 208-240V/60Hz/Three Phase.
         1. Heating Element: 20.7 kW (60 Amp)
      2. Auxiliary Heating: Steam:
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 176 lbs/hr (80 kg/hr).
    1. Model: EH080 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 80 lbs (32-34 kg).
          2. Volume: 11.3 cu ft (320 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 32.5 inches (825.5 mm).
          2. Cylinder Depth: 23.5 inches (597 mm).
          3. Height: 59.1 inches (1501 mm).
          4. Width: 41.5 inches (1054 mm).
          5. Depth: 52 inches (1321 mm).
          6. Door Opening: 16.8 inches (427 mm)
          7. Floor to Door Height: 23.6 inches (600 mm).
       3. Static Load Transfer: 1850 lbs (839 kg).
       4. Dynamic Load: Dynamic load to floor shall not exceed 412-pounds (187-kg) with a frequency of 15.5 Hz.
       5. Performance (preset from factory):
          1. Washing Speeds: Programmable wash speeds 16min - 42max RPM
          2. Spin Speeds: 83/335/530/698/937 RPM.
          3. G-Force: 3.17/52/130/225/405
       6. Control Type: Inteli Control
       7. Mechanical:
          1. Drain: 3 inches (76 mm).
          2. Inlets: 2 @ 3/4 inch (19 mm).
          3. Water Pressure: 30 to 60 psi (2 - 4 bar).
          4. Water Flow Rate: 16 gal/min (60 l/min).
          5. Motor Power: 4.2 kW.
       8. Power: 208-240V/60Hz/Three Phase. (Standard).

\*\* NOTE TO SPECIFIER \*\* Auxiliary heating is optional. Delete the paragraph not required. Delete both paragraphs if auxiliary heating is not required.

* + - 1. Auxiliary Heating: Electric - 208-240V/60Hz/Three Phase.
         1. Heating Element: 20.7 kW (60 Amp)
      2. Auxiliary Heating: Steam:
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 176 lbs/hr (80 kg/hr).
    1. Model: EH090 as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 90 lbs (40-42 kg).
          2. Volume: 13.9 cu ft (395 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 35.5 inches (900 mm).
          2. Cylinder Depth: 24.4 inches (621 mm).
          3. Height: 70.6 inches (1794 mm).
          4. Depth: 57.3 inches (1455 mm).
          5. Width: 54.7 inches (1390 mm).
          6. Floor to Door Height: 25.8 inches (655 mm).
          7. Door Opening: 22 inches (558 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 556-pounds with a frequency of 14.5 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete one of the next two paragraphs if auxiliary heat is specified or both paragraphs if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Electric- 208V/60Hz/Three Phase.
         1. Heating Element: 18.6 kW.
      2. Auxiliary Heating: Electric- 240V/60Hz/Three Phase.
         1. Heating Element: 24.2 kW.
      3. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 397 lbs/hr (180 kg/hr).
      4. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 40max RPM.
         2. Spin Speeds: 40/79/300/490/680/870 RPM.
         3. G-Force: 0.81/3.15/45/121/233/381.
      5. Mechanical:
         1. Drain: 3 inches (80 mm).
         2. Inlets: 1 inch (25.4 mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 26 gal/min (100 l/min).
         5. Steam Connection: 3/4 inch (19 mm).
         6. Motor Power: 4.8 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
    1. Model: EH130 Stationary as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 130 lbs (57-59 kg).
          2. Volume: 20.1 cu ft (569 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 42.5 inches (1080 mm).
          2. Cylinder Depth: 24.4 inches (621 mm).
          3. Height: 75.8 inches (1925 mm).
          4. Depth: 58.8 inches (1493 mm).
          5. Width: 61.8 inches (1570 mm).
          6. Floor to Door Height: 32 inches (812 mm).
          7. Door Opening: 22 inches (558 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 692-pounds with a frequency of 13.3 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete one of the next two paragraphs if auxiliary heat is specified or both paragraphs if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Electric- 208V/60Hz/Three Phase.
         1. Heating Element: 27.9 kW.
      2. Auxiliary Heating: Electric- 240V/60Hz/Three Phase.
         1. Heating Element: 35.8 kW.
      3. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 397 lbs/hr (180 kg/hr).
      4. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 36max RPM
         2. Spin Speeds: 36/72/275/450/625/800 RPM.
         3. G-Force: 0.78/3.14/46/122/236/387.
      5. Mechanical:
         1. Drain: 3 inches (80 mm).
         2. Inlets: 1 inch (25.4 mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 26 gal/min (100 l/min).
         5. Steam Connection: 3/4 inch (19 mm).
         6. Motor Power: 7.3 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
    1. Model: EH130 Tilt as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 130 lbs (57-59 kg).
          2. Volume: 20.1 cu ft (569 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 42.5 inches (1080 mm).
          2. Cylinder Depth: 24.4 inches (621 mm).
          3. Height: 83.3 inches (2115 mm).
          4. Depth: 63.5 inches (1613 mm).
          5. Width: 65 inches (1650 mm).
          6. Floor to Door Height: 39.4 inches (1002 mm).
          7. Door Opening: 22 inches (559 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 692-pounds with a frequency of 13.3 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete one of the next two paragraphs if auxiliary heat is specified or both paragraphs if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Electric- 208V/60Hz/Three Phase.
         1. Heating Element: 27.9 kW.
      2. Auxiliary Heating: Electric- 240V/60Hz/Three Phase.
         1. Heating Element: 35.8 kW.
      3. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 397 lbs/hr (180 kg/hr).
      4. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 36max RPM
         2. Spin Speeds: 36/72/275/450/625/800 RPM.
         3. G-Force: 0.78/3.14/46/122/236/387.
      5. Mechanical:
         1. Drain: 3 inches (80 mm).
         2. Inlets: 1 inch (25.4 mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 26 gal/min (100 l/min).
         5. Steam Connection: 3/4 inch (19 mm).
         6. Compressed Air Connection: 3/8 inch (10 mm).
         7. Compressed Air Pressure: 98 psi (7 bar).
         8. Compressed Air Flow: 7.1 cfm (200 l/m).
         9. Motor Power: 7.3 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
    1. Model: EH190 Stationary as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 190 lbs (85-87 kg).
          2. Volume: 30.1 cu ft (852 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 51.6 inches (1310 mm).
          2. Cylinder Depth: 24.8 inches (630 mm).
          3. Height: 81.4 inches (2068 mm).
          4. Depth: 76.3 inches (1938 mm).
          5. Width: 69.7 inches (1770 mm).
          6. Floor to Door Height: 31.8 inches (808 mm).
          7. Door Opening: 26.9 inches (684 mm).
       3. Static Force: 9218 (4181 kg)
       4. Dynamic Load: Dynamic load to floor shall not exceed 1157-pounds (525 kg) with a frequency of 12.1 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete the next paragraph if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 794 lbs/hr (360 kg/hr).
      2. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 32max RPM
         2. Spin Speeds: 32/66/250/405/565/725 RPM.
         3. G-Force: 0.75/3.2/46/120/234/386.
      3. Mechanical:
         1. Drain: 5 inches (125 mm).
         2. Inlets: 2 at 2 inch (51mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 58 gal/min (220 l/min).
         5. Steam Connection: 1 inch (25.4 mm).
         6. Motor Power: 9 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase (30 Amp)
        2. Power: 440-480V/60Hz/Three Phase (15 Amp)
        3. Compressed Air Connection: 3/8
        4. Compressed Air PSI: 87-100
        5. Compressed Air Flow (cfm): 10
    1. Model: EH190 Tilt as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 190 lbs (85-87 kg).
          2. Volume: 30.1 cu ft (852 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 51.6 inches (1310 mm).
          2. Cylinder Depth: 24.8 inches (630 mm).
          3. Height: 81.4 inches (2068 mm).
          4. Depth: 76.3 inches (1938 mm).
          5. Width: 69.7 inches (1770 mm).
          6. Floor to Door Height: 39.2 inches (996 mm).
          7. Door Opening: 26.9 inches (684 mm).
          8. Static Force: 9995 (4534 kg)
       3. Dynamic Load: Dynamic load to floor shall not exceed 1157-pounds (525 kg) with a frequency of 12.1 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete the next paragraph if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 794 lbs/hr (360 kg/hr).
      2. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 32max RPM
         2. Spin Speeds: 32/66/250/405/565/725 RPM.
         3. G-Force: 0.75/3.2/46/120/234/386.
      3. Mechanical:
         1. Drain: 5 inches (125 mm).
         2. Inlets: 2 @ 2 inch (51mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 58 gal/min (220 l/min).
         5. Steam Connection: 1 inch (25.4 mm).
         6. Motor Power: 9 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase (30 Amp).
        2. Power: 440-480V/60Hz/Three Phase (15 Amp).
        3. Compressed Air Connection: 3/8
        4. Compressed Air PSI: 87-100
        5. Compressed Air Flow (cfm): 10
    1. Model: EH255 Stationary as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 255 lbs (110-112 kg).
          2. Volume: 38.8 cu ft (1100 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 51.6 inches (1310 mm).
          2. Cylinder Depth: 32.1 inches (816 mm).
          3. Height: 81.4 inches (2068 mm).
          4. Depth: 76.3 inches (1939 mm).
          5. Width: 69.7 inches (1770 mm).
          6. Floor to Door Height: 31.8 inches (807 mm).
          7. Door Opening: 26.9 inches (684 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 1482-pounds with a frequency of 12.1 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete the next paragraph if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 794 lbs/hr (360 kg/hr).
      2. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 32max RPM
         2. Spin Speeds: 32/66/250/405/565/725 RPM.
         3. G-Force: 0.75/3.2/46/120/234/386.
      3. Mechanical:
         1. Drain: 5 inches (125 mm).
         2. Inlets: 2 inch (51 mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 58 gal/min (220 l/min).
         5. Steam Connection: 1 inch (25.4 mm).
         6. Motor Power: 11 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
    1. Model: EH255 Tilt as manufactured by Girbau North America.
       1. Capacity:
          1. Weight: 255 lbs (110-112 kg).
          2. Volume: 38.8 cu ft (1100 cu dm).
       2. Size / Dimensions:
          1. Cylinder Diameter: 51.6 inches (1310 mm).
          2. Cylinder Depth: 32.1 inches (816 mm).
          3. Height: 88.8 inches (2256 mm).
          4. Depth: 81 inches (2058 mm).
          5. Width: 72.4 inches (1838 mm).
          6. Floor to Door Height: 39.2 inches (995 mm).
          7. Door Opening: 26.9 inches (684 mm).
       3. Dynamic Load: Dynamic load to floor shall not exceed 1482-pounds with a frequency of 12.1 Hz.

\*\* NOTE TO SPECIFIER \*\* Auxiliary Heating is optional. Delete the next paragraph if auxiliary heating is not specified.

* + - 1. Auxiliary Heating: Steam.
         1. Steam Pressure: 29 to 87 psi (2-6 bar).
         2. Steam Flow: 794 lbs/hr (360 kg/hr).
      2. Performance:
         1. Washing Speeds: Programmable wash speeds 13min - 32max RPM
         2. Spin Speeds: 32/66/250/405/565/725 RPM.
         3. G-Force: 0.75/3.2/46/120/234/386.
      3. Mechanical:
         1. Drain: 5 inches (125 mm).
         2. Inlets: 2 inch (51 mm).
         3. Water Pressure: 30-60 psi (2-4 bar).
         4. Water Flow Rate: 58 gal/min (220 l/min).
         5. Steam Connection: 1 inch (25.4 mm).
         6. Compressed Air Connection: 3/8 inch (10 mm).
         7. Compressed Air Pressure: 98 psi (7 bar).
         8. Compressed Air Flow: 7.1 cfm (200 l/m).
         9. Motor Power: 11 kW.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
  1. RM-SERIES WASHER - EXTRACTORS
     1. RM-Series Washer-Extractor General Characteristics:
        1. Cylinder (inner/outer) module front face material: AISI Type 304. Cabinet (Top/Lower Front/ Pillars/Sides) material: Titan steel finish.
        2. Noise and In-Line Filters:
           1. No more than 70 dB (Measured Equivalent Continuous) at the workstation of the unit.
           2. Standard in-line circuit filters that reduce induced noise and radiating noise for output wiring.
           3. Standard in-line DC reactor for improving the input power-factor and reducing harmonics when the voltage imbalance exceeds 2 percent.
        3. Wash Wheel and Lifters:
           1. Wash wheel polished to a clean finish and free of bolts and visible welds.
           2. Funneled tub perforations in order to protect wash items damage caused from sharp edges.
           3. Tub lifter with top and side perforations that lift and drop water and wash items together providing superior load saturation, chemical penetration and improved rinsing.
        4. Bearing Housing/Protection: Solid one (1) piece construction for optimum structural support and must have an in-line bearing protection weep system allowing any moisture that may breach the seal to be drained away before reaching the main bearing.
     2. RM-Series Washer-Extractor - LogiPro Control General Characteristics:
        1. Programmable Extraction: High extract shall be a minimum of 108 G-force with the ability to program extract not to exceed 100 G-force and any one of six (6) extract speeds including "0" no extract.
        2. Cycle Selection: Maximum of twenty-five (25) laundry cycles to ensure maximum simplicity. Cycles may be customized to adapt to specific linen processing requirements with the ability to program a minimum of two (2) and no more than eleven (11) phases (bath exchanges) to ensure thorough cleaning and flexibility.
        3. Programmable Controls:
           1. Programmable microprocessor control with 25-cycle programs with the ability to program up to eleven (11) phases. A phase consists of no less than six (6) programmable fill levels, adjustable fill temperatures from 32 degrees -194 degrees Fahrenheit (0-90 Celsius) in all eleven (11) phases, automatic chemical injection, chemical pump timing signal and the ability to program at least three (3) on/off rotation combinations and no rotation for flush, wash and rinse phases.
           2. Programming of up to twenty (20) minutes per phase for flush, wash and rinse baths and programmable extract in each phase up to 9 minutes, delay start control, display cycle progress through LED indicator located on control panel and shall allow management to limit operator programming through the use of a secret access code and cycle lockout function.
        4. Water Temperature Control: Thermostatically controlled water inlet valve. Operator may set pre-set wash temperatures from 32 degrees F to 194 degrees Fahrenheit (0 - 90 degrees Celsius) for phases (baths) one (1) to eleven (11). All phases shall allow programmable temperature to adapt to specific linen treatment specifications and/or government sanitary regulations.
        5. Progressive Cool Down: Capable of a gradual reduction of water temperature from wash to rinse so to reduce fabric shock/wrinkles. Reduction shall be no more than 7 degrees Fahrenheit per minute from 194 degrees Fahrenheit to 130 degrees Fahrenheit (90 degrees Celsius - 54 degrees Celsius).
        6. Rinse Hold: When selected by the operator, will automatically halt the selected bath until the operator advances the machine past �hold� and allows the machine to complete the cycle.
        7. Delay Start: Programmable cycle start option programmable by selecting the cycle and activating the feature. This programmable clock is set by programming the 24-hour clock time if start.
        8. Automatic Chemical Injection Chemical Dispenser: Four (4) independent chemical injection connections (model EM025) and eight (8) independent chemical injection connections (models EM040 and EM055) for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals. For safety purposes all connection ports shall be mounted on the rear of the machine. Top mounted four (4) compartment pre-wash and wash detergent / bleach / softener dispenser. The chemistry from liquid supply or hopper compartments must be able to be dispensed automatically at the appropriate time of the cycle only after being diluted with water. The chemical water solution is dispensed to the load below water level to protect the load from possible chemical damage.
     3. Model: REM025 as manufactured by Girbau North America.
        1. Capacity:
           1. Dry weight: 25 lbs (11 kg).
           2. Volume: 3.5 cu ft (99 cu dm).
        2. Size / Dimensions:
           1. Cylinder Diameter: 21.1 inches (536 mm).
           2. Cylinder Depth: 17.3 inches (439 mm).
           3. Height: 42.5 inches (1080 mm).
           4. Width: 27 inches (685 mm).
           5. Depth: 29.9 inches (760 mm).
           6. Door Opening: 12.7 inches (322 mm).
           7. Floor to Door Height: 15.4 inches (390 mm).
        3. Performance:
           1. Washing Speed: 50 RPM.
           2. Spin Speeds: 60Hz/54/100/300/400/500/600 RPM.
           3. G-Force: 0.87/3/50/75/100/108.
        4. Mechanical:
           1. Drain: 2 inches (51mm).
           2. Inlets: 3/4 inch (19 mm).
           3. Water Pressure: 30 to 60 psi (2 - 4 bar).
           4. Water Flow Rate: 8 gal/min (30 l/min).
           5. Motor Power: 0.35 kW.
           6. Modified Energy Factor (MEF): 1.53.
           7. Water Consumption Factor (WCF): 5.68.
        5. Power: 120V/60Hz/Single Phase.
     4. Model: RMG033 as manufactured by Girbau North America.
        1. Capacity:
           1. Dry weight: 33 lbs (15 kg).
           2. Volume: 4.5 cu ft (126 cu dm).
        2. Size / Dimensions:
           1. Cylinder Diameter: 24.4 inches (620 mm).
           2. Cylinder Depth: 16.4 inches (416 mm).
           3. Height: 52.9 inches (1344 mm).
           4. Width: 29.5 inches (750 mm).
           5. Depth: 32.25 inches (819 mm).
           6. Door Opening: 12.9 inches (327 mm).
           7. Floor to Door Height: 20 inches (509 mm).
        3. Performance:
           1. Washing Speed: 47 RPM.
           2. Spin Speeds: 60Hz/47/100/300/400/500/600 RPM.
           3. G-Force: 50/100/140/200.
        4. Mechanical:
           1. Drain: 3 inches (80mm).
           2. Inlets: 2 @ 3/4 inch (2 @ 19 mm).
           3. Water Pressure: 30 to 60 psi (2 - 4 bar).
           4. Water Flow Rate: 16 gal/min (60 l/min).
           5. Motor Power: 0.85 kW.
        5. Power: 208-240V/60Hz/Single Phase.
     5. Model: RMG040 as manufactured by Girbau North America.
        1. Capacity:
           1. Dry weight: 40 Lbs (17 Kg).
           2. Volume: 5.9 Cu. ft. (166 cu dm).
        2. Size / Dimensions:
           1. Cylinder Diameter: 24.4 inches (620 mm).
           2. Cylinder Depth: 21.6 inches (549 mm).
           3. Height: 52.9 inches (1344 mm).
           4. Width: 29.5 inches (750 mm).
           5. Depth: 41.8 inches (1063 mm).
           6. Door Opening: 12.9 inches (327 mm).
           7. Floor to Door Height: 20 inches (509 mm).
        3. Performance:
           1. Washing Speed: 47 RPM.
           2. Spin Speeds: 47/100/380/539/635/760 RPM.
           3. G-Force: 0.77/3.5/50/100/140/200.
        4. Mechanical:
           1. Drain: 3 inches (76 mm).
           2. Inlets: 3/4 inch (19 mm).
           3. Water Pressure: 30 to 60 psi (2 - 4 bar).
           4. Water Flow Rate: 16 gal/min (60 l/min).
           5. Steam Connection: 1/2 inch (12.7 mm).
           6. Motor Power: 0.8 kW.
           7. Modified Energy Factor (MEF): N.A.
           8. Water Consumption Factor (WCF): N.A.
        5. Power: 208-240V/60Hz/Single Phase.
     6. Model: RMG055 as manufactured by Girbau North America.
        1. Capacity:
           1. Dry weight: 55 lbs (24 kg).
           2. Volume: 8 cu ft (226 cu dm).
        2. Size / Dimensions:
           1. Cylinder Diameter: 27.6 inches (700 mm).
           2. Cylinder Depth: 23.1 inches (586 mm).
           3. Height: 56.1 inches (1424 mm).
           4. Width: 34.3 inches (870 mm).
           5. Depth: 44.8 inches (1139 mm).
           6. Door Opening: 16.8 inches (426 mm).
           7. Floor to Door Height: 19.7 inches (500 mm).
        3. Performance:
           1. Washing Speed: 44 RPM.
           2. Spin Speeds: 45/100/300/400/500/600 RPM.
           3. G-Force: 0.8/4/50/100/140/200.
        4. Mechanical:
           1. Drain: 3 inches (76 mm).
           2. Inlets: 3/4 inch (19 mm).
           3. Water Pressure: 30 to 60 psi (2 - 4 bar).
           4. Water Flow Rate: 16 gal/min (60 l/min).
           5. Steam Connection: 1/2 inch (12.7 mm).
           6. Motor Power: 1.05 kW.
           7. Modified Energy Factor (MEF): N.A.
           8. Water Consumption Factor (WCF): N.A.
        5. Power: 208-240V/60Hz/Single Phase.
     7. Model: RMG070 as manufactured by Girbau North America.
        1. Capacity:
           1. Dry weight: 70 lbs (27.4 kg).
           2. Volume: 9.7 cu ft (274 cu dm).
        2. Size / Dimensions:
           1. Cylinder Diameter: 27.6 inches (700 mm).
           2. Cylinder Depth: 30.1 inches (765 mm).
           3. Height: 57.7 inches (1466 mm).
           4. Width: 34.3 inches (870 mm).
           5. Depth: 46.2 inches (1174 mm).
           6. Door Opening: 16.7 inches (424 mm).
           7. Floor to Door Height: 21.4 inches (544 mm).
        3. Performance:
           1. Washing Speed: 42 RPM.
           2. Spin Speeds: 40/86/342/433/530/592 RPM.
           3. G-Force: 0.62/3/46/100/140/200.
        4. Mechanical:
           1. Drain: 3 inches (76 mm).
           2. Inlets: 3/4 inch (19 mm).
           3. Water Pressure: 30 to 60 psi (2 - 4 bar).
           4. Water Flow Rate: 16 gal/min (60 l/min).
           5. Steam Connection: 1/2 inch (12.7 mm).
           6. Motor Power: 1.05 kW.
           7. Modified Energy Factor (MEF): N.A.
           8. Water Consumption Factor (WCF): N.A.
        5. Power: 208-240V/60Hz/Single or three Phase.

\*\* NOTE TO SPECIFIER \*\* Delete the entire next article if Econ-O-Wash Washers are not specified.

* 1. ECON-O-WASH WASHERS
     1. Model: GWNMN EconoWash as manufactured by Girbau North America.
        1. Capacity: 3.26 cu ft (92.2 cu dm).
        2. Size / Dimensions:
           1. Height: 43 inches (1092 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 25.63 inches (651 mm).
           4. Floor to Work Surface: 36 inches (914 mm).
           5. Color: White.
        3. Performance:
           1. Washing Speed: 44/67 RPM.
           2. Spin Speed: 710/473 RPM.
        4. Motor Power: 1/2 HP.
           1. Power: 120V/60Hz/Single Phase - 15A Protection.

\*\* NOTE TO SPECIFIER \*\* Retain only models required and delete all others. Delete the entire next article if Pro Series Dryers are not specified.

* 1. PRODRY2 DRYING TUMBLERS
     1. ProDry2 Drying Tumblers General Characteristics:

\*\* NOTE TO SPECIFIER \*\* Retain only if models CG20-30, CG30-40, CG55-65, CG50-60, CG75-85. Delete the next paragraph if Dryers are not specified.

* + - 1. Cylinder walls and lifter material: galvanized steel. Rear cylinder back plate material: Annealed stainless steel.

\*\* NOTE TO SPECIFIER \*\* Retain only if models CG115-25 or CG165-75. Delete the next paragraph if select Dryer models are not specified.

* + - 1. Cylinder walls, back plate and lifter material: galvanized steel.

\*\* NOTE TO SPECIFIER \*\* Retain only if models CG20-30, CG30-40, CG55-65. Delete the next paragraph if Dryers are not specified.

* + - 1. Axial airflow system introduces heated air from the back of the cylinder and is directed through the load exiting through the front perforations.
      2. Microprocessor Control system with four time-dry or auto-dry cycles and a no-heat cycle option. AutoDry selection automatically controls heat cycle runtime based on dryness level of individual loads. AutoDry and time dry allows temperature control by degree (Celsius or Fahrenheit) and automatic load cool-down and special Condition cycle.
    1. Model: CG30-40 as manufactured by Girbau North America.
       1. Capacity: Up to 40 pounds, 12.3 cu ft (0.35 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 30 inches (762 mm).
          2. Basket Depth: 30 inches (762 mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 63.875 inches for gas, 72.25 inches for electric and 76.25 inches for steam. Delete two of the next three paragraphs.

* + - * 1. Height: 63.875 inches (1622 mm).
        2. Height: 72.25 inches (1835 mm) with optional filler plate.
        3. Height: 76.25 inches (1937 mm) with optional filler plate.
        4. Depth: 46.875 inches (1191 mm).
        5. Width: 31.5 inches (800 mm).
        6. Door Opening: 22.68 inches (576 mm).
        7. Floor to Door: 27.5 inches (699 mm).
      1. Exhaust Diameter: 8 inches (203 mm).
      2. Basket Motor: (2) 1/4 HP (0.19 kW).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete three of the next four paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete four of the next five paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 208-240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
        6. Heating: 90,000 BTU/h.
        7. Inlet Diameter: 1/2 inch (13mm) Male NPT.
      1. Mechanical - 24 kW Electric Heat Source:
         1. Oven Size: 81,912 BTU/h.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete five of the next six paragraphs.

* + - * 1. Power: 208V/60Hz/Single Phase - 64A.
        2. Power: 240V/60Hz/Single Phase - 57A.
        3. Power: 200-208V/60Hz/Three Phase - 37A.
        4. Power: 240V/60Hz/Three Phase - 33A.
        5. Power: 380V/60Hz/Three Phase - 20A.
        6. Power: 460-480V/60Hz/Three Phase - 16A.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete four of the next five paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 208-240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
        6. Steam Heating:

At 100 psi: 166,000 BTU/h.

At 15 psi: 129,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) NPT.
        2. BHP Consumption:

At 100 psi: 4.8 BHP.

At 15 psi: 3.7 BHP.

* + 1. Model: CG55-65 as manufactured by Girbau North America.
       1. Capacity: Up to 65 pounds, 17.3 cu ft (0.49 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 33 inches (838 mm).
          2. Basket Depth: 35 inches (889 mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 66.72 inches for gas or 72.25 inches for electric. Delete one of the next two paragraphs.

* + - * 1. Height: 66.72 inches (1695 mm).
        2. Height: 72.25 inches (1835 mm) with optional filler plate.
        3. Depth: 53.62 inches (1365 mm).
        4. Width: 34.5 inches (876 mm).
        5. Door Opening: 26.89 inches (683 mm).
        6. Floor to Door: 26.87 inches (682 mm).
      1. Exhaust Diameter: 8 inches (203 mm).
      2. Basket Motor: (2) 1/2 HP (0.37 kW).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete three of the next four paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete two of the next three paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 208-240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Heating: 112,000 BTU/h.
        5. Inlet Diameter: 1/2 inch (13 mm) Male NPT.
      1. Mechanical - 27 kW Electric Heat Source:
         1. Oven Size: 92,151 BTU/h.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208V/60Hz/Single Phase - 129A.
        2. Power: 240V/60Hz/Single Phase - 115A.
    1. Model: CG50-60 as manufactured by Girbau North America.
       1. Capacity: Up to 60 pounds, 18.6 cu ft (0.53 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 37 inches (940 mm).
          2. Basket Depth: 30 inches (762 mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 76.625 inches for gas / electric, and 80 inches for steam. Delete one of the next two paragraphs.

* + - * 1. Height: 76.625 inches (1946 mm) - gas / electric models.
        2. Height: 80 inches (2032 mm) - steam model.
        3. Depth: 47 inches (1194 mm).
        4. Width: 38.625 inches (981 mm).
        5. Door Opening: 26.89 inches (683 mm).
        6. Floor to Door: 30.75 inches (781 mm).
      1. Exhaust Diameter: 8 inches (203 mm).
      2. Basket Motor: 1/2 HP (0.37 kW).

\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph only if reversing motors are required.

* + - 1. Reversing Motor: (2) 1/3 HP (0.25).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete two of the next three paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete four of the next five paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
        6. Heating: 120,000 BTU/h.
        7. Inlet Diameter: 1/2 inch (13 mm) Male NPT.
      1. Mechanical - 30 kW Electric Heat Source:
         1. Oven Size: 102,390 BTU/h.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete four of the next five paragraphs.

* + - * 1. Power: 200-208V/60Hz/Three Phase.
        2. Power: 240V/60Hz/Three Phase.
        3. Power: 380V/60Hz/Three Phase.
        4. Power: 440V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete five of the next six paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 440V/60Hz/Three Phase.
        6. Power: 460-480V/60Hz/Three Phase.
        7. Steam Heating:

At 100 psi: 177,500 BTU/h.

At 15 psi: 119,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) NPT.
        2. BHP Consumption:

At 100 psi: 5.1 BHP.

At 15 psi: 3.4 BHP.

* + 1. Model: CG75-85 as manufactured by Girbau North America.
       1. Capacity: Up to 85 pounds, 22.4 cu ft (0.634 cu m).
       2. Size / Dimensions:.
          1. Basket Diameter: 37 inches (940 mm).
          2. Basket Depth: 36 inches (914 mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 76.625 inches for gas / electric, and 80 inches for steam. Delete one of the next two paragraphs.

* + - * 1. Height: 76.625 inches (1946 mm) - gas / electric models.
        2. Height: 80 inches (2032 mm) - steam model.
        3. Depth: 53 inches (1346 mm).
        4. Width: 38.625 inches (981 mm).
        5. Door Opening: 26.89 inches (683 mm).
        6. Floor to Door: 30.75 inches (781 mm).
      1. Exhaust Diameter: 8 inches (203 mm).
      2. Basket Motor: 3/4 HP (0.56 kW).

\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph only if reversing motors are required.

* + - 1. Reversing Motor: (2) 1/3 HP (0.25 kW).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete two of the next three paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete four of the next five paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
        6. Inlet Diameter: 1/2 inch (13 mm) Male NPT.
      1. Mechanical - 30 kW Electric Heat Source:
         1. Oven Size: 102,390 BTU/h.

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete four of the next five paragraphs.

* + - * 1. Power: 200-208V/60Hz/Three Phase.
        2. Power: 240V/60Hz/Three Phase.
        3. Power: 380V/60Hz/Three Phase.
        4. Power: 440V/60Hz/Three Phase.
        5. Power: 460-480V/60Hz/Three Phase.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete five of the next six paragraphs.

* + - * 1. Power: 120V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Single Phase.
        3. Power: 200-208,240V/60Hz/Three Phase.
        4. Power: 380V/60Hz/Three Phase.
        5. Power: 440V/60Hz/Three Phase.
        6. Power: 460-480V/60Hz/Three Phase.
        7. Heating: 165,000 BTU/h.
        8. Steam Heating:

At 100 psi: 210,000 BTU/h.

At 15 psi: 141,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) NPT.
        2. BHP Consumption:

At 100 psi: 6.1 BHP.

At 15 psi: 4.1 BHP.

* + 1. Model: CG115-125 as manufactured by Girbau North America.
       1. Capacity: Up to 125 pounds, 36.1 cu ft (1.02 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 44 inches (1118 mm).
          2. Basket Depth: 41 inches (1041mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 85.7 inches for gas and 83.5 for steam. Delete one of the next two paragraphs.

* + - * 1. Height: 85.7 inches (2177 mm) - gas model.
        2. Height: 83.5 inches (2121 mm) - steam model.
        3. Depth: 67.92 inches (1725 mm).
        4. Width: 46.38 inches (1178 mm).
        5. Door Opening: 26.89 inches (683 mm).
        6. Floor to Door: 31.88 inches (797 mm).
      1. Exhaust Diameter: 10 inches (254 mm).
      2. Reversing Motor: 3/4 HP (0.56 kW).
      3. Motor (Fan): 1 HP (0.75 kW).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete one of the next two paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete one of the next two paragraphs.

* + - * 1. Power: 200-240V/60Hz/Three Phase.
        2. Power: 460-480V/60Hz/Three Phase.
        3. Heating: 300,000 BTU/h.
        4. Inlet Diameter: 3/4 inch (19 mm) Male NPT.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete two of the next three paragraphs.

* + - * 1. Power: 200-208,240V/60Hz/Three Phase.
        2. Power: 440V/60Hz/Three Phase.
        3. Power: 460-480V/60Hz/Three Phase.
        4. Steam Heating:

At 100 psi: 405,000 BTU/h.

At 15 psi: 272,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) NPT.
        2. BHP Consumption:

At 100 psi: 11.7 BHP.

At 15 psi: 7.9 BHP.

* + 1. Model: CG165-175 as manufactured by Girbau North America.
       1. Capacity: Up to 175 pounds, 49.7 cu ft (1.41 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 50.75 inches (1289 mm).
          2. Basket Depth: 42.5 inches (1080 mm).
          3. Height: 94 inches (2388 mm).
          4. Depth: 68.85 inches (1749 mm).
          5. Width: 53.12 inches (1349 mm).
          6. Door Opening: 26.89 inches (683 mm).
          7. Floor to Door: 33.86 inches (860 mm).
       3. Exhaust Diameter: 12 inches (305 mm).

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete one of the next two paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete one of the next two paragraphs.

* + - * 1. Power: 200-208,240V/60Hz/Three Phase.
        2. Power: 460-480V/60Hz/Three Phase.
        3. Heating: 395,000 BTU/h.
        4. Inlet Diameter: 1 inch (25.4 mm) Male NPT.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete two of the next three paragraphs.

* + - * 1. Power: 200-240V/60Hz/Three Phase.
        2. Power: 440V/60Hz/Three Phase.
        3. Power: 460-480V/60Hz/Three Phase.
        4. Steam Heating:

At 100 psi: 648,000 BTU/h.

At 15 psi: 433,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) male NPT.
        2. Steam Outlet: 1 inch (25.4 mm) NPT.
        3. BHP Consumption:

At 100 psi: 18.8 BHP.

At 15 psi: 12.6 BHP.

* + 1. Model: CG195-205 as manufactured by Girbau North America.
       1. Capacity: Up to 205 pounds, 50.75 cu ft (1.44 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 50.75 inches (1289 mm).
          2. Basket Depth: 50 inches (1270 mm).
          3. Height with Heating Bonnet: 94 inches (2388 mm).
          4. Height Heating Bonnet Removed: 75 inches (1905 mm).
          5. Depth: 77.3 inches (1963 mm).
          6. Width: 53.9 inches (1369 mm).
          7. Door Opening: 26.89 inches (683 mm).
          8. Floor to Door: 32.1 inches (815 mm).
       3. Exhaust Diameter: 12 inches (305 mm).
       4. Exhaust Air Flow (CFM): 2450

\*\* NOTE TO SPECIFIER \*\* Select mechanical specifications based on heat source. Delete one of the next two paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete one of the next two paragraphs.

* + - * 1. Power: 200-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
        3. Heating: 425,000 BTU/h.
        4. Inlet Diameter: 1 inch (25.4 mm) Male NPT.
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. Delete two of the next three paragraphs.

* + - * 1. Power: 200-240V/60Hz/Three Phase.
        2. Power: 440-480V/60Hz/Three Phase.
        3. Steam Heating:

At 100 psi: 648,000 BTU/h.

* + - * 1. Steam Inlet: 3/4 inch (19 mm) male NPT.
        2. Steam Outlet: 1 inch (25.4 mm) NPT.
        3. BHP Consumption:

At 100 psi: 18.8 BHP.

\*\* NOTE TO SPECIFIER \*\* Delete the entire next article if Pro-Series II Stack Drying Tumblers are not specified.

* 1. PRODRY2 STACK DRYING TUMBLERS
     1. ProDry2 Drying Stack Drying Tumblers General Characteristics
        1. Cylinder walls and lifter material: galvanized steel. Rear cylinder back-plate material: Annealed stainless steel.
        2. Cylinder walls, back plate and lifter material: galvanized steel.
        3. Axial airflow system introduces heated air from the back of the cylinder and is directed through the load exiting through the front perforations.
        4. Microprocessor Control system with four time-dry heat cycles (High, Medium, Low and Delicates ) cycle option. Time dry allows variable time, temperature control by degree (Celsius or Fahrenheit) and automatic load cool-down.
     2. Model: CG30X2 as manufactured by Girbau North America.
        1. Capacity: 2-Drying pockets each with capacity up to 30 pounds, 10.6 Cu. Ft. (0.3 cu m) per basket.
        2. Size / Dimensions:
           1. Basket Diameter: 30 inches (762 mm).
           2. Basket Depth: 26 inches (660 mm).
           3. Height: 76.25 inches (1937mm).
           4. Depth: 42.76 inches (1086 mm).
           5. Width: 31.5 inches (800 mm).
           6. Door Opening: 22.68 inches (576 mm).
           7. Floor to Door (top door): 48 inches (1219 mm).
        3. Exhaust Diameter: 8 inches (203 mm).
        4. Basket Motor: (2) 1/4 HP (0.19 kW).
        5. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete three of the next four paragraphs.

* + - * 1. Power: 120,208-240V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Three Phase.
        3. Power: 380V/60Hz/Three Phase.
        4. Power: 460-480V/60Hz/Three Phase.
        5. Heating (per pocket): 73,000 BTU/h.
        6. Inlet Diameter: 1/2 inch (12.7 mm) Male NPT.
    1. Model: CG45X2 as manufactured by Girbau North America.
       1. Capacity: 2-Drying pockets each with capacity up to 45 pounds, 14.8 cu ft (0.419 cu m) per basket.
       2. Size / Dimensions:
          1. Basket Diameter: 33 inches (838 mm).
          2. Basket Depth: 30 inches (762 mm).
          3. Height: 81.25 inches (2064 mm).
          4. Depth: 48.62 inches (1235 mm).
          5. Width: 34.5 inches (876 mm).
          6. Door Opening: 26.89 inches (683 mm).
          7. Floor to Door (top door): 49 inches (1245 mm).
       3. Exhaust Diameter: 10 inches (254 mm).
       4. Basket Motor: (2) 1/2 HP (0.37 kW).
       5. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete one of the next two paragraphs.

* + - * 1. Power: 208-240V/60Hz/Single Phase.
        2. Power: 200-208,240V/60Hz/Three Phase.
        3. Heating (per pocket): 95,000 BTU/h.
        4. Inlet Diameter: 1/2 inch (12.7 mm) Male NPT.

\*\* NOTE TO SPECIFIER \*\* Delete entire next Article if CG-Series Drying tumblers are not specified.

* 1. CG-SERIES DRYING TUMBLERS
     1. CG-Series Drying Tumblers General Characteristics:

\*\* NOTE TO SPECIFIER \*\* Retain only if models CG20-30, CG30-40, CG55-65, CG50-60, CG75-85. Delete the next paragraph if Dryers are not specified.

* + - 1. Cylinder walls, rear cylinder back plate and lifter material: Annealed stainless steel.
      2. Transflow Combination Axial and Radial airflow system introduces heated air from the back and top of the cylinder and is directed through the load exiting through the front perforations for premium load penetration of heat energy for fast and efficient drying of good.
      3. Inteli Microprocessor Control system with 10 pre-set and 40 customizable (50 Total) programs that can be designed and saved. AutoDry with moisture sensing LLE (Linen Life Extender) that can be programmed to different dryness levels or time dry. Programs can select precise temperature control by degree (Celsius or Fahrenheit), reversing cylinder, program phases with different parameters and variable time and temperature automatic load cool-down and special Condition cycle.
      4. Standard Features: Reversing cylinder, Moisture Sensing Linen Life Extender, Programmable Heat Input/output Temperature Control, Cylinder rotation Speed, HeatCapture cabinet Insulation, Double Wall Tempered Door Glass and Reversible Loading Door Hinge. Inteli control is Network Communication Ready
    1. Model: CG85-95S as manufactured by Girbau North America.
       1. Capacity: Up to 95 pounds, 23.3 cu ft (0.66 cu m).
       2. Size / Dimensions:
          1. Basket Diameter: 37 inches (940 mm).
          2. Basket Depth: 37.4 inches (950 mm).

\*\* NOTE TO SPECIFIER \*\* Select Height based on heat source. Specify 72 inches for gas / electric, and 73.2 inches for steam. Delete one of the next two paragraphs.

* + - * 1. Height: 72 inches (1829 mm) - gas / electric models.
        2. Height: 73.2 inches (1859 mm) - steam model.
        3. Depth: 52.9 inches (1344 mm).
        4. Width: 39.4 inches (1001 mm).
        5. Door Opening: 28 inches (711 mm).
        6. Floor to Door: 27.4 inches (696 mm).
      1. Exhaust Diameter: 7.9 inches (201 mm).
      2. Exhaust (extraction) Motor: .74 HP (0.25 kW).
      3. Basket Motor: 1.14 HP (0.84 kW).

\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph only if reversing motors are required. Select mechanical specifications based on heat source. Delete two of the next three paragraphs. Modify the included text as instructed.

* + - 1. Mechanical - Gas Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete four of the next five paragraphs.

* + - * 1. Power: 200-240V/60Hz/Single Phase.
        2. Gas Inlet Diameter: 1/2 inch (13 mm) Male BSP.
        3. Heating Output: 147,781 BTU/H
      1. Mechanical - 30 kW Electric Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select power source. Delete four of the next five paragraphs.

* + - * 1. Power: 208V/60Hz/Three Phase.
        2. Power: 240V/60Hz/Three Phase.
        3. Heating Output: 30.8 kW
      1. Mechanical - Steam Heat Source:

\*\* NOTE TO SPECIFIER \*\* Select Power Requirements. 120V not available on Reversing Unit. Delete five of the next six paragraphs.

* + - * 1. Power: 200-240V/60Hz/Single Phase.
        2. Gas Inlet Diameter: 1/2 inch (13 mm) Male BSP.
        3. Heating Output: 145,596 BTU/H
        4. Steam Consumption: 3.48 BHP/H at 130 PSI

\*\* NOTE TO SPECIFIER \*\* Delete the entire next article if E Series Dryers are not specified.

* 1. E SERIES DRYING TUMBLERS
     1. E-Series 20-25 Pound High Performance Dryer - General Characteristics
        1. Dry Weight Capacity: Rated capacity of up to 25 pounds, allowing for varied linen types and maximum drying speed.
        2. Cabinet: AISI-304 stainless steel top, front and side panels.
        3. Cylinder Dimension / Volume: Minimum 26 inch (660 mm) diameter for maximum drop and no more than 24 inches (610 mm) deep for ease of unloading. Cylinder cubic volume shall be a minimum of 7.0 cubic feet (0.2 cu m) with a cylinder light.
        4. Door Material and Diameter:
           1. Tumbler door: Steel with a tab latch door system and a shock resistant clear window.
           2. Window: Mounted without the use of gaskets exposed to the tumbler load that may wear. Door diameter must be at least 20 1/2 inches (510 mm) for ease of loading and unloading.
        5. Airflow / Vent Diameter: Maximum of 220 cfm for fast, efficient drying and proper balance with input heat energy. Exhaust vent to be a maximum of 4 inches (102 mm) in diameter for gas and electric models.
        6. Heating Source / Input: Axial airflow design allowing for maximum efficiency. Tumbler basket shall be non-perforated.
        7. Lint Filtration: Permanently fixed "lint filter" type allowing for easy and frequent removal of lint. For purposes of operator safety, it is not required that the front panel be removed for regular lint cleanout. Screen is constructed of durable nylon construction allowing extended life.
        8. Drive System: Belt drive and dual-roller system for maximum drive efficiency and long life.
        9. Control and Features: Microprocessor controlled and capable of five (5) cycle selections with the capability to programming cycles, set vend price, retrieve audit information, and operate diagnostic tests and raid advance options. Any cycle can be modified to set cycle time from 1-99 minutes, temperature (100-160 degrees), and cool-down time (0-59 minutes). The micro displays error modes identifying the cause of safety shutdown. Four-digit display, along with a LED (Light Emitting Diode) for status of lights on the keypad and status words for the control.
        10. Cycle Status Display: Depicts time remaining (drying cycle, cooling cycle, end of cycle).
        11. Basket Construction: Non-perforated galvanized steel with a stainless steel back plate and molded polypropylene lifters for extended life and maximum resistance to residual laundry chemicals.
        12. Motor Configuration: Single motor design: blower/fan motor rated at no less than 1/3 HP maximum efficiency.
     2. Model: KFE as manufactured by Girbau North America.
        1. Capacity: Volume: 7.0 cu ft (1990 cu dm).
        2. Size / Dimensions:
           1. Height: 40.75 inches (1035 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 20.5 inches (521 mm).
        3. Exhaust: 4 inch (102 mm) diameter / 220 cfm (374 cu m/h) exhaust air flow.
        4. Basket Motor: 1/3 HP.
        5. Mechanical - Electric Heat Source:
           1. Power: 240V/60Hz/Single Phase - 5350 Watts, 30A Protection.
     3. Model: KFG as manufactured by Girbau North America.
        1. Capacity: Volume: 7.0 cu ft (1990 cu dm).
        2. Size / Dimensions:
           1. Height: 40.75 inches (1035 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 20.5 inches (521 mm).
        3. Exhaust: 4 inch (102 mm) diameter / 220 cfm (374 cu m/h) exhaust air flow.
        4. Basket Motor: 1/3 HP.
        5. Mechanical - Gas Heat Source:
           1. Power: 120V/60Hz/Single Phase - 15A Protection.
           2. Heating: 25,000 BTU/h.
           3. Inlet Diameter: 3/8 inch (10 mm) NPT.

\*\* NOTE TO SPECIFIER \*\* Retain only models required and delete all others. Delete the entire next article if Econ-O-Dry Models are not specified.

* 1. ECONO SERIES DRYERS
     1. Model: JDE EconoDry - Single Load Dryer as manufactured by Girbau North America.
        1. Capacity: 7.0 cu ft (199 cu dm).
        2. Size / Dimensions:
           1. Height: 43 inches (1092 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 24.7 inches (628 mm).
           5. Color: White.
        3. Exhaust:
           1. Diameter: 4 inches (102 mm).
           2. Flow: 220 cfm (6.23 cu m/min).
        4. Basket Motor: 1/3 HP.
        5. Mechanical - Electric Heat Source:
           1. Power: 240V/60Hz/Single Phase - 5350 Watts, 30A Protection.
     2. Model: JDG - Single Load EconoDry Dryer as manufactured by Girbau North America.
        1. Capacity: 7.0 cu ft (199 cu dm).
        2. Size / Dimensions:
           1. Height: 43 inches (1092 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 24.7 inches (628 mm).
           5. Color: White.
        3. Exhaust:
           1. Diameter: 4 inches (102 mm).
           2. Flow: 220 cfm (6.23 cu m/min).
        4. Basket Motor: 1/3 HP.
        5. Mechanical - Gas Heat Source:
           1. Voltage: 120/60/1 - 15A Protection.
           2. Heating: 25,000 BTU/h.
           3. Inlet Diameter: 3/8 inch (10 mm) NPT.
     3. Model: JSE - EconoDry Stack Double Load as manufactured by Girbau North America.
        1. Capacity: 7.0 cu ft (199 cu dm) per basket.
        2. Size / Dimensions:
           1. Height: 76.625 inches (1946 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 24.7 inches (628 mm) per basket.
           5. Color: White.
        3. Exhaust:
           1. Diameter: 4 inches (102 mm).
           2. Flow: 220 cfm (6.23 cu m/min).
        4. Basket Motor: 1/3 HP per basket.
        5. Mechanical - Electric Heat Source:
           1. Power: 240V/60Hz/Single Phase- 5350 Watts, 30 Amp Protection per basket.
     4. Model: JSG - EconoDry Stack Double Load as manufactured by Girbau North America.
        1. Capacity: 7.0 cu ft (199 cu dm) per basket.
        2. Size / Dimensions:
           1. Height: 76.625 inches (1946 mm).
           2. Depth: 28 inches (711 mm).
           3. Width: 26.875 inches (683 mm).
           4. Door Opening: 24.7 inches (628 mm) per basket.
           5. Color: White.
        3. Exhaust:
           1. Diameter: 4 inches (102 mm).
           2. Flow: 220 cfm (6.23 cu m/min).
        4. Basket Motor: 1/3 HP per basket.
        5. Mechanical - Gas Heat Source:
           1. Voltage: 120/60/1 - 15A Protection per basket.
           2. Heating: 25,000 BTU/h per basket.
           3. Inlet Diameter: 3/8 inch (10 mm) NPT.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. X-SERIES FLATWORK IRONERS
     1. X-Series Flatwork Ironers - General Characteristics:
        1. Roll Material: Constructed of polished chrome for maximum corrosion resistance and do not require the use of wax products for proper operation.
        2. Exhaust: cabinet enclosed and top mounted to isolate motor/blower noise and venting heat away from the operator.
        3. Feed And Pressure Ribbons: One-piece construction made of polyester for maximum longevity. Pressure ribbons shall be made of NOMEX for optimum heat resistance longevity with covered staple seams for quality ironing and quick replacement. Pressure ribbon contact shall be at least 250 degrees of the roll circumference to ensure optimum linen contact and operate at a speed identical to that of the heated cylinder so as to eliminate linen distortion and ensure iron/dry quality.
        4. Safety Stop Button: Allows the operator to stop all machine function in case of an emergency or operator error.
        5. Manual Advance Option: Allows the operator to mechanically advance the roll. This helps to prevent linen damage in the case of power loss.
        6. Control: Unit is controlled through an independently mounted microprocessor control. Control offers AutoSpeed setting capable of automatically adjusting the ironing speed to address specific linen types and moisture retention levels. Microprocessor controlled safety checks, temperature control, process and operating alarm function and built-in electronic diagnostic package for quick service checks.

\*\* NOTE TO SPECIFIER \*\* Delete control type not required.

* + - * 1. Logi Control (X13\_): program Speed (feet or meters), temperature (F/C) and operate in Manual or AutoSpeed mode through LED display.
        2. Inteli Control (X20\_); program speed (feed/meters), temperature (F/C) and operate in Manual or AutoSpeed mode with real time LCD display. Control must be capable of saving up to 50 programs of varied speed, temperature, linen dimension, folding measurement and operation type.
      1. Automatic Safety Cool Down: Ironer capable of automatically monitoring the reduction of roll temperature following shutdown of the unit. The heated cylinder, feed and pressure ribbons will continue to operate without heat until a safe temperature is achieved so as to reduce wear and tear and prevent scorching of the ribbons. Once safe temperature is reached the unit will automatically shut down with no further operator attention.
      2. Lint Filter: Built-in lint filter for optimum airflow and prevention of lint exhaust to the atmosphere, vents and work area.

\*\* NOTE TO SPECIFIER \*\* Delete models not required.

* + 1. Model: X13061 Express Heated-Roll Flatwork Ironer as manufactured by Girbau North America.
       1. Cylinder Diameter: 12.8 inches (325 mm).
       2. Usable Cylinder Width: 60.6 inches (1540 mm).
       3. Evaporation Capability: 3.96 gal/hr (15 l/h).
       4. Ironing Speed: 3-36 ft/min (1-11 m/min).
       5. Heating: Electric.
       6. Heating: Natural gas.
       7. Heating: Propane.
       8. Full Load, Gas 208-240/60/1: 6 Amps.
       9. Full Load, Electric 208/60/3: 39 Amps.
       10. Full Load, Electric 240/60/3: 44 Amps.
    2. Model: X13084 Express Heated-Roll Flatwork Ironer as manufactured by Girbau North America.
       1. Cylinder Diameter: 12.8 inches (325 mm).
       2. Usable Cylinder Width: 83.5 inches (2120 mm).
       3. Evaporation Capability: 5.28 gal/hr (20 l/h).
       4. Ironing Speed: 3-36 ft/min (1-11 m/min).
       5. Heating: Electric.
       6. Heating: Natural gas.
       7. Heating: Propane.
       8. Full Load, Gas 208-240/60/1: 4.7 Amps.
       9. Full Load, Electric 208/60/3: 53 Amps.
       10. Full Load, Electric 240/60/3: 61 Amps.
    3. Model: X20075 Express Heated-Roll Flatwork Ironer as manufactured by Girbau North America.
       1. Cylinder Diameter: 20.1 inches (510 mm).
       2. Usable Cylinder Width: 74.8 inches (1900 mm).
       3. Evaporation Capability: 7.93 gal/hr (30 l/h) gas/electric, 11.1 gal/h (42 l/h) steam.
       4. Ironing Speed: 3-49 ft/min (1-15 m/min).
       5. Heating: Electric.
       6. Heating: Natural gas.
       7. Heating: Propane.
       8. Full Load, Gas/Steam 208-240/60/1: 6.1 Amps.
       9. Full Load, Electric 208/60/3: 85 Amps.
       10. Full Load, Electric 240/60/3: 97 Amps.
    4. Model: X20100 Express Heated-Roll Flatwork Ironer as manufactured by Girbau North America.
       1. Cylinder Diameter: 20.1 inches (510 mm).
       2. Usable Cylinder Width: 99.6 inches (2530 mm).
       3. Evaporation Capability: 10.57 gal/hr (40 l/h) gas/electric, 14.79 gal/h (56 l/h) steam.
       4. Ironing Speed: 3-49 ft/min (1-15 m/min).
       5. Heating: Electric.
       6. Heating: Natural gas.
       7. Heating: Propane.
       8. Full Load, Gas/Steam 208-240/60/1: 6.1 Amps.
       9. Full Load, Electric 208/60/3: 109 Amps.
       10. Full Load, Electric 240/60/3: 125 Amps.
    5. Model: X20125 Express Heated-Roll Flatwork Ironer as manufactured by Girbau North America.
       1. Cylinder Diameter: 20.1 inches (510 mm).
       2. Usable Cylinder Width: 124.6 inches (3165 mm).
       3. Evaporation Capability: 15.85 gal/hr (60 l/h) gas, 13.21 gal/hr (50 l/h) electric, 18.49 gal/h (70 l/h) steam.
       4. Ironing Speed: 3-49 ft/min (1-15 m/min).
       5. Heating: Electric.
       6. Heating: Natural gas.
       7. Heating: Propane.
       8. Full Load, Gas/Steam 208-240/60/1: 6.1 Amps.
       9. Full Load, Electric 208/60/3: 137 Amps.
       10. Full Load, Electric 240/60/3: 158 Amps.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. IRONING SYSTEMS
     1. Compact+ 5-In-One Ironing System - General Characteristics:
        1. Roll Material: Constructed of polished steel for maximum ironing quality.
        2. Dual Exhaust: cabinet enclosed and top mounted to isolate motor/blower noise and venting heat away from the operator.
        3. Vacuum Inlet Feed Conveyor should be an incline design and at least 22-inches of clear view for maximum time and view for quality inspection of items as they are fed into the ironing system.
        4. Contact Pressure Belt: Off set design required to eliminate impression from belts on ironed items. Pressure ribbon contact shall be at least 250 degrees of the roll circumference to ensure optimum linen contact to the heated cylinder and moisture removal for efficient production and iron/dry quality.
        5. Safety Stop Button: Allows the operator to stop all machine function in case of an emergency or operator error.
        6. Manual Advance Option: Allows the operator to mechanically advance the roll. This helps to prevent linen damage in the case of power loss.
        7. Standard Stain/Tear discharge
        8. PLC Control: Unit is controlled through an independently mounted PLC control. Control offers AutoSpeed setting capable of automatically adjusting the ironing speed to address specific linen types and moisture retention levels, or operate in manual control by feet or meters per minute. PLC shall also control and allow programming of auto feeding (option), primary and cross folding and stacking PLC controlled safety checks, temperature control, process and operating alarm function and built-in electronic diagnostic package for quick service checks.
        9. PLC Features
           1. 4-color LCD Display
           2. 4-language Options
           3. Real time status of program Number/Name, speed, temperature, heating system on/off and function setting auto/manual
           4. Alarm visual - photo display of alarm location
           5. Alarm log and history
           6. Up to 99-customized programs
           7. Programmable primary and cross fold
           8. Programmable Item Stacking unit number 1-20
        10. Integrated primary folder via programmable air blast that can be modified air volume and duration
        11. Integrated cross fold
        12. Folder bypass and return to feed table delivery
        13. Automatic Safety Cool Down: Ironer capable of automatically monitoring the reduction of roll temperature following shutdown of the unit. The heated cylinder, feed and pressure ribbons will continue to operate without heat until a safe temperature is achieved so as to reduce wear and tear and prevent scorching of the ribbons. Once safe temperature is reached the unit will automatically shut down with no further operator attention.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Options:
         1. 1-station clip feeding with spreading brushes
         2. Two lane primary and cross fold
         3. 2-independent heat zones
         4. Primary by-pass front/rear
         5. Multi-lane small piece collection in 2, 3 or 4 station option
         6. Side stacker with Conveyor Unload of Stacks of Folded Items Programed to Specific Count per Stack. Option for left or right Stacker position with Reversible Return to Feed or Rear Delivery of Stacks
         7. Knock down disassembly for limited facility access
    1. Model: XC24130 Compact 5-in-One Ironing System as manufactured by Girbau North America.
       1. Cylinder Diameter: 24 inches (600 mm).
       2. Usable Cylinder Width: 130 inches (3300 mm).
       3. Evaporation Capability: 21.3 gal/hr (80 l/h).
       4. Ironing Speed: 9-39 ft/min (3-11.9 m/min).
       5. Heating: Natural gas.
       6. Heating: Propane.
       7. Full Load (Gas, Propane), 208-240V/60/1: 21.5 Amps.
       8. Full Load (Gas, Propane) 440-480V/60/3: 10.1 Amps.
       9. Compress Air: 14.2 CFM @ 87-145 PSI
    2. Model: XC32130 Compact 5-in-One Ironing System as manufactured by Girbau North America.
       1. Cylinder Diameter: 32 inches (800 mm).
       2. Usable Cylinder Width: 130 inches (3300 mm).
       3. Evaporation Capability: 31.7 gal/hr (120 l/h).
       4. Ironing Speed: 9-49 ft/min (3-15 m/min).
       5. Heating: Natural gas.
       6. Heating: Propane.
       7. Full Load (Gas, Propane), 208-240V/60/1: 21.5 Amps.
       8. Full Load (Gas, Propane) 440-480V/60/3: 10.1 Amps.
       9. Compress Air: 14.2 CFM @ 87-145 PSI

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. Check surfaces for level prior to installing equipment. If surfaces are not in an acceptable condition, notify the Architect immediately of the condition.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Install all hookups in accordance with UPC and NEC requirements.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION