

SUBJECT 11

Re: Washers (Washing Machines), Dryers (Drying Machines) or Washer-Dryer Combinations (Washing and Drying Machines combined), household laundry — Items 124185, 124065 and 124125

Contact: Allison L. Austin Telephone — (703) 838-8864 austin@nmfta.org

Proponent: Freight Classification Development Council

Present Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Laundry: subject to item 124000	
	Household: subject to item 124035	
124065	Dryers (Drying Machines) , in boxes, crates or Packages 1019, 1022, 1082, 1254, 2386, 2451 or 2541100	100
124125	Machines , washing and drying combined (Washer-Dryer Combinations or Combination Washer-Dryers), in boxes, crates or Packages 1019, 1082 or 203085	85
124145	Parts , laundry machine, metal, in mixtures, see Note, item 124146, in boxes85	85
124146	NOTE—Applies only when each shipping box contains a mixture of two or more different parts other than cabinets, covers or washing or drying machine tubs or drums.	
124185	Washers (Washing Machines); or Parts thereof , NOI, other than metal, see Note, item 124186; in boxes, crates or Packages 122, 180, 1019, 1022, 1082, 1254, 2386, 2408 or 2540100	100
124186	NOTE—Applies only on parts other than cabinets, shrouds, housings, hoods, covers, masks, splash rims or flanges, or parts thereof.	

Package 122

SHIPPING CONTAINER:

Body—Half-slotted container (HSC) of 275 pound test doublewall corrugated fiberboard.

Base—Full dimension wood frame minimum thickness of 15/32 inch and a combined cross sectional area of not less than 9 square inches.

Interior Forms—A clearance of 7/8 inch must be maintained on bottom and all sides of the article by forms of expanded polystyrene having a density of not less than 1 1/3 pounds per cubic foot. Top of the article must be protected by a top pad constructed of 200 pound test fiberboard with expanded polystyrene blocks laminated thereto to maintain 1 1/2 inch clearance between article and top of container. Finished surfaces of article which may come in contact with interior forms must be protected with a nonabrasive material.

SUBJECT 11

Present Classification Provisions — Concluded

Package 122 (Continued)

Closure—Box must be closed in accordance with Item 222, Sec. 7 and in addition must be secured to base with not less than 3 straps complying to requirements of Item 680, Sec. 9(b).

GROSS WEIGHT: Not to exceed 100 pounds.

UNITED INCHES: Not to exceed 100 united inches.

Package 180

In fiberboard boxes testing not less than 225 pounds the fiberboard meeting requirements of Item 222, Secs. 2 and 3, for boxes testing not less than 200 pounds. Box must be lined on four sides with a taped tube made of doublewall corrugated fiberboard testing not less than 300 pounds. When tube tests not less than 450 pounds, box may test not less than 200 pounds. Tube must be covered on top by a flanged cap made of singlewall corrugated fiberboard testing not less than 200 pounds fitting tightly over sides of tube. Not less than 3/4 inch clearance must be maintained between article and box. Article must be securely fastened to a wood base consisting of not less than six pieces, each not less than 3/4 inch thick, having combined cross sectional area of not less than 12 square inches. Top and bottom outer flaps may come within 4 inches of meeting and box must be firmly glued not less than 50 percent of area of contact. Gross weight must not exceed 250 pounds.

Package 2451

SHIPPING CONTAINER:

Body—Corrugated fiberboard regular slotted container (RSC) testing 275 pounds, having special flanged top and bottom, flange not less than four inches in width. Top flaps may be folded to provide lifting flange.

Top Pad—Scored and folded doublewall corrugated fiberboard testing 200 pounds full dimension of inside body.

Base—Article must be mounted on two wooden skids of not less than nominal 3/4 inch x 3 inch lumber, full dimension of inside of container.

Clearance—A clearance of 3/4 inch must be maintained between unit and inside wall of container.

UNITED INCHES: Not to exceed 100 inches.

GROSS WEIGHT: Not to exceed 160 pounds.

Proposed Classification Provisions

Item	Description	Class
	MACHINERY GROUP: subject to item 114000	
	Laundry: subject to item 124000	
	Household: subject to item 124035	
124065	Dryers (Drying Machines), etc	⇒Cancel; see item A-NEW

SUBJECT 11

Proposed Classification Provisions — Concluded

Item	Description	Class
	MACHINERY GROUP: subject to item 114000 Laundry: subject to item 124000 Household: subject to item 124035	
124125	Machines , washing and drying combined (Washer-Dryer Combinations or Combination Washer-Dryers), etc ..	⇒Cancel; see item A-NEW
124145	Parts , laundry machine, metal, in mixtures, etc	⇒Cancel; see provisions otherwise applicable
124146	NOTE—⇒Cancel; no further application.	
124185	Washers (Washing Machines); or Parts thereof , NOI, other than metal, etc.....	⇒Cancel; see item A-NEW and provisions otherwise applicable
124186	NOTE—⇒Cancel; no further application.	
⇒A-NEW	Washers (Washing Machines) or Dryers (Drying Machines) , see Note, item B-NEW, in boxes, crates or Packages 1019, 1022, 1082, 1254, 2030, 2386, 2408, 2540 or 2541, subject to Item 170 and having a density in pounds per cubic foot of:	
Sub 1	Less than 5	250
Sub 2	5 or greater	125
⇒B-NEW	NOTE—Also applies on Washer-Dryer Combinations , including Laundry Centers .	

Package 122

⇒Cancel; no further application.

Package 180

⇒Cancel; no further application.

Package 2451

⇒Cancel; no further application.

Analysis

Introduction

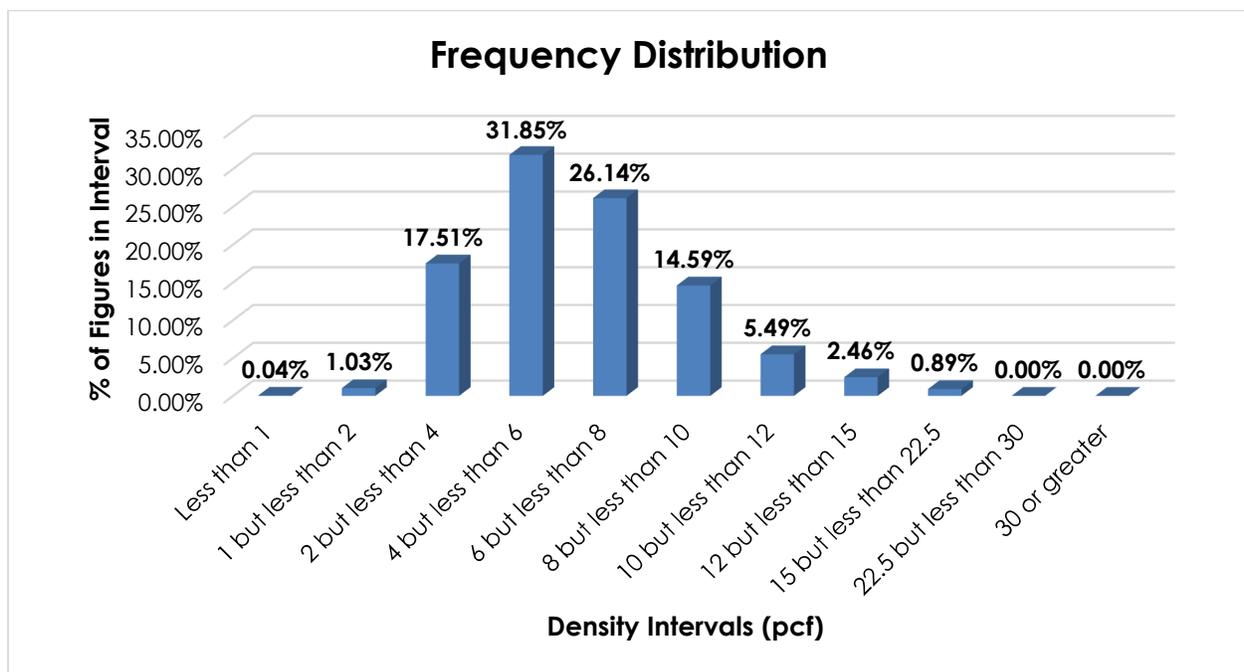
This proposal is based on information developed through Research Project 1462, which was initiated to investigate the transportation characteristics of household laundry washers,

SUBJECT 11

dryers or washer-dryer combinations, as embraced by items 124185, 124065 and 124125, respectively.

Transportation Characteristics

Density—The information of record includes 22,822 density observations submitted by carriers and obtained from the FCDC’s Density Study¹. The densities range from 0.73 to 18.12 pcf, with an overall average density of 6.31 pcf. The frequency distribution is shown below. While over 75% of the figures are clustered between 2 and 8 pcf, the average density is not reflected in the predominant peak. A density break at 5 pcf addresses the modality and distribution of the data.



When the data is evaluated based on the proposed density break, the density ranges and averages in the table below emerge.

Density Group (pcf)	Density Range (pcf)	Average Density (pcf)
Less than 5	0.73 – 4.99	3.79
5 or greater	5.00 – 18.12	7.73

Handling, Stowability and Liability—There have been no reports of unusual or significant handling, stowability or liability concerns.

¹ The Density Study is part of an ongoing effort by the FCDC to collect information on actual shipments across all product categories handled by the LTL industry. Carriers that choose to participate in the Study periodically submit shipment data captured through their respective freight auditing programs. The FCDC uses verifiable data points, identified by NMFC item, that include the weight and the dimensions and/or cube of the shipping unit.

SUBJECT 11

Conclusion

Based on the foregoing analysis, items 124065, 124125 and 124185 would be canceled with reference to a new item, naming "Washers (Washing Machines) or Dryers (Drying Machines)," with classes predicated on a density break at 5 pcf². The average densities and classes, per FCDC guidelines, are shown in the table below.

Density Group (pcf)	Average Density (pcf)	FCDC Minimum Average Density Guideline (pcf)	Class Based on FCDC Density Guidelines
Less than 5	3.79	3	250
5 or greater	7.73	7	125

Under this proposal, washer parts, other than metal, as currently classified in item 124185, would be classified elsewhere in the NMFC, depending on the particular part being shipped. Additionally, as most mixed package or mixed shipment provisions have been removed from the NMFC, item 124145, which applies on mixed packages of metal laundry machine parts, would be canceled with reference to provisions otherwise applicable.

A new Note would be established to clarify application of the new item. Notes, items 124146 and 124186 would be canceled with no further application.

Moreover, to ensure that the commodities are adequately protected so as to withstand the normal rigors of the less-than-truckload environment, and pursuant to the recommendation of the FCDC's Packaging Manager, Packages 122, 180 and 2451 would be canceled with no further application.

² The density provisions would include reference to Item (Rule) 170, the inadvertence clause.