ANSI/ASAE S375.2 DEC1996 (R2013)
Capacity Ratings and Unloading Dimensions for Cotton Harvester Baskets

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Developed by the Farm Materials Handling Committee; approved by the Power and Machinery Division Standards Committee; adopted by ASAE as a Tentative Standard February 1975; reconfirmed December 1975, December 1976, December 1977, December 1978, December 1979, December 1980, December 1981, December 1982, December 1983, December 1984; revised editorially and reclassified as a full Standard June 1986; revised March 1988; reaffirmed for one year December 1992; reaffirmed December 1993, December 1995; revised December 1996; approved as an American National Standard July 1997; reaffirmed by ASAE December 2001, February 2004; reaffirmed by ANSI March 2004; reaffirmed by ASABE and ANSI February 2009; reaffirmed by ASABE December 2013; reaffirmed by ANSI January 2014.

Keywords: Baskets, Capacity, Cotton, Harvester

1 Purpose and Scope

1.1 The purpose of this Standard is to provide a uniform method of expressing the following information relative to cotton strippers and cotton pickers.

1.1.1 Capacity of basket.

1.1.2 Unloading height of basket.

1.1.3 Lip height of raised basket.

1.1.4 Unloading angle of basket.

1.1.5 Maximum basket height.

1.1.6 Working height.

1.1.7 Transport height.

2 Capacity

2.1 Capacity of cotton stripper and cotton picker baskets shall be expressed as the total volume enclosed by the basket and lid. This volume shall be expressed in cubic meters (cubic feet) and may be determined from dimensional layout drawings.

2.2 In addition to the volumetric capacity rating, it shall be permissible to express a nominal capacity in kilograms (pounds). This rating shall be determined based on a density of 80.1 kg/m^3 (5.0 lb/ft^3) for baskets without a compaction device.

2.3 If a mechanical compaction device is used, the capacity shall be the total weight, expressed in kilograms (pounds), certified from actual tests conducted by the manufacturer.

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