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Transport Index Limits for Shipments of Radioactive Material in Passenger-Carrying Aircraft

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1. INTRODUCTION

Aircraft operators are required to exercise special controls over packages* of radioactive material with a "radioactive yellow" label. The yellow label indicates that either (a) the dose rate of radiation emanating from the package is sufficiently high to warrant controls limiting exposure of people, animals, and undeveloped film and/or (b) the package contains fissile material in amounts requiring that assembly of such packages in one location be limited for nuclear criticality safety (to avoid a chain reaction). The controls to be employed by the aircraft operator are based on the transport index assigned by the shipper and shown on the "radioactive yellow" label.

2. TRANSPORT INDEX LIMITS FOR INDIVIDUAL PACKAGES AND MINIMUM PACKAGE SIZE

Radioactive material transported aboard passenger-carrying aircraft must be packaged so that the dose rate does not exceed 200 millirem per hour at any point on the external surface of the package and the Transport Index† is not higher than 3.0 (49 CFR 173.393(i) and (q)). These maximum values are permitted only for packages with "radioactive yellow-III" labels‡. For a package with a "radioactive yellow-III" label, the limits are 50 millirem per hour at the package surface and a transport index of 1.0 (49 CFR 172.403(c)(1)).

In addition, 4 inches is the smallest outside package dimension permitted for any shipment of radioactive material (49 CFR 173.393(c)).

^{*}Throughout this handbook, package refers to a "radioactive yellow" label package or an overpack used to consolidate such packages of radioactive material (49 CFR 172.403(c) and (d), 173.393(r)).

[†]Except for some shipments of fissile materials (49 CFR 173.389(a)(2)), the transport index is the highest dose rate in millirem per hour at 3 feet from any external surface of the package (49 CFR 173.89(i)(1)).

^{*}For shipments aboard cargo-only aircraft, the transport index limit is 10 for a package with a radioactive yellow-III label.

Example 1.

Four packages with "radioactive yellow" labels are described below. Based on the limits specified in section 2 above, are they acceptable for transportation aboard passenger-carrying aircraft?

			Transport	Dimensions
Package		<u> </u>	Index	(inches)
1.	radioactiv	ve yellow-II	1.1	40 × 40 x 40
2.	11		0.1	3 ± 6 x 6
3.	27	11	0.4	16 x 16 x 17
4.	***	yellow-III	3.1	40 x 35 x 25

Package 1 is unacceptable because the transport index (1.1) exceeds the maximum transport index (1.0) permitted for a package with a radioactive yellow-II label.

Package 2 is unacceptable because the minimum dimension is only 3 inches, whereas the smallest dimension allowed is 4 inches.

Package 3 is acceptable.

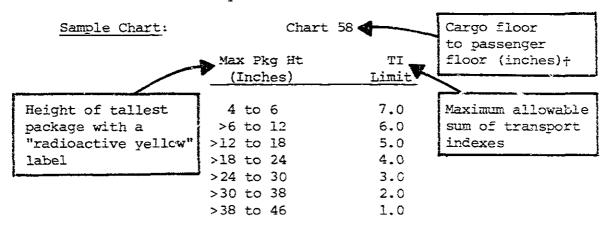
Package 4 is unacceptable because the transport index (3.1) exceeds the maximum transport index (3.0) permitted for a package transported on a passenger-carrying aircraft.

3. TRANSPORT INDEX LIMITS FOR PASSENGER-CARRYING AIRCRAFT WHERE AN APPROVED SYSTEM OF PREDESIGNATED AREAS IS NOT IN USE

Federal regulations (49 CFR 175.701(a) and (b)) specify the minimum separation distance between packages with "radicactive yellow" labels and areas occupied by people or animals. Where an overhead passenger or crew compartment is the nearest such area, compliance with these regulations can be ascertained as described below. For other arrangements of passenger or crew compartments relative to radioactive cargo, for animals transported in cargo compartments, or for packages marked as containing undeveloped film, the charts are not applicable.

For each cargo area with one or more "radioactive yellow" labeled packages, determine the maximum allowable sum of transport indexes (TI-limit) by use of TI-limit charts in Appendix A. The smallest of the TI-limits, so determined, is the maximum allowable sum of transport indexes of all packages in the entire aircraft. Under no circumstances may the sum of transport indexes of all packages aboard the aircraft exceed 50 in a passenger-carrying aircraft.

The appropriate TI-limit chart for an area is selected on the basis of the minimum distance (inches) between the cargo floor* and the passenger floor. This separation distance is the chart number. From the information in Appendix B, separation distance between bare cargo compartment floor and passenger floor can be calculated. When "radioactive yellow" packages are on a raised cargo floor (pallet or floor of freight container) the appropriate separation distance (and chart number) is the distance determined by use of Appendix B minus the rise in the cargo floor. The TI-limit for the area is then determined, based on the height of the tallest package with a "radioactive yellow" label in that area.



^{*}Cargo floor means the surface on which the packages rest (bare compartment floor, pallet, or floor of freight container).

⁺Drop any fraction of an inch: for example, 58.6 becomes 56.

Example 2.

Three packages with "radioactive yellow" labels are stowed on the bare compartment floor in the forward cargo compartment of a passenger-carrying DC-8:

	Package Height	
Package	(Inches)	Transport Index
<u>.</u>	4	0.2
2	12	1.2
3	14	3.0
		4.4

No other "radioactive yellow" label packages are aboard the aircraft. The minimum distance between the cargo floor and the floor of the overhead passenger cabin is 58 inches (52 plus 6, cargo compartment height plus ceiling thickness).

Is the separation distance between the radioactive cargo and the passengers sufficient to satisfy Federal regulations? Chart 58 (Appendix A) shows that for a maximum package height of 14 inches (package 3, tallest in the area), the TI-limit is 5.0; therefore, the radioactive cargo is sufficiently separated from the passengers to satisfy the regulations.

Note: If the same packages are stowed on a 3-inch high pallet, the separation distance between cargo floor and passenger floor would be (58-3) 55 inches and chart 55 would be the appropriate TI-limit chart. In this circumstance, the TI-limit would still be 5 and the regulations would be satisfied.

Example 3.

In a passenger-carrying B-727, three packages with "radioactive yellow" labels are stowed in the forward cargo compartment and four such packages are stowed in the constant part of the aft cargo compartment.

Package	Package Height (Inches)	Transport Index
:	Forward cargo compar	tment
1	S	0.2
2	12	1.0
3	14	2.0
		3.2
Const	ant part of aft cargo	o compartment
4	4	0.6
5	12	2.2
6	12	1.0
7	12	1.4
		5.2

No other "radioactive yellow" packages are aboard the aircraft. The minimum distance between the floor of the forward cargo compartment and the floor of the overhead passenger cabin is 51 inches; the minimum distance between the cargo floor in the constant part of the aft cargo compartment and the floor of the overhead passenger cabin is 61 inches. Is the separation distance between the radioactive cargo and the passengers sufficient to satisfy Federal regulations?

For the forward cargo compartment use chart 51 (Appendix A) since the distance between the cargo floor and passenger floor is 51 inches. Chart 51 shows that for a maximum package height of 14 inches (package 3, tallest in area), the TI-limit is 4.0.

For the constant part of the aft cargo compartment, where the tallest package is 12 inches, chart 61 indicates a TI-limit of 6.0.

The smaller of the two TI-limits is 4.0, which is, therefore, the maximum allowable sum of transport indexes of all packages and overpacks in the entire aircraft. In this example the radioactive cargo actually aboard the aircraft has a total transport index (3.2 ÷ 5.2 =) 8.4. This value exceeds the allowable limit of 4.0 determined above, hence, the separation of radioactive cargo and areas occupied by people is not sufficient to meet Federal regulations.

4. TRANSPORT INDEX LIMITS FOR PASSENGER-CARRYING AIRCRAFT WHERE AN APPROVED SYSTEM OF PREDESIGNATED AREAS IS IN USE

Implementation of an approved system of predesignated areas as provided by 49 CFR 175.701(c) usually increases the allowable load of radioactive material that may be transported in a passenger-carrying aircraft and without the radiation levels in passenger and crew compartments exceeding allowable limits. Details of the approval procedure are contained in "The Department of Transportation Procedure for Approval of a System of Predesignated Areas for Radioactive Material in Passenger-Carrying Aircraft." This document may be obtained from:

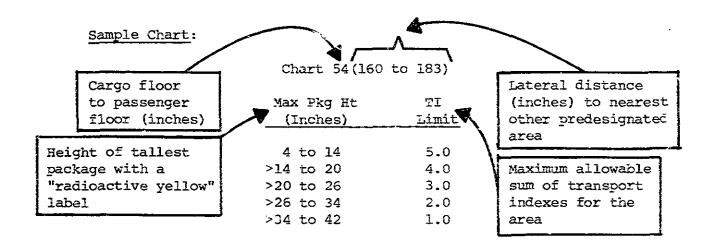
Approvals Branch, DMT-232 U.S. Department of Transportation 400 7th Street, S.W. Washington, D.C. 20590

Compliance with the required minimum separation distances between radioactive cargo and overhead passenger or crew compartments and the proper spacing of radioactive cargo areas can be ascertained by use of charts in Appendix C. For other arrangements of passenger or crew compartments, for animals transported in cargo compartments, or for packages marked as containing undeveloped film, the charts are not applicable.

The maximum allowable sum of transport indexes (TI-limit) of all packages in a predesignated area is determined by use of the appropriate chart for that area. Under no circumstances may the sum of transport indexes of all packages aboard the aircraft exceed 50 in passenger-carrying aircraft. The chart is selected on the basis of information encoded in the chart number:

- a. The first two digits in the chart number are the minimum distance (inches*) between the cargo floor and the passenger floor Cargo floor means that surface on which the "radioactive yellow" packages rest (bare compartment floor, pallet, or floor of freight container).
- b. In parentheses, in the chart number, is the minimum lateral distance (inches*) to the nearest other predesignated area. Lateral distance is measured between the boundaries of predesignated areas.

^{*}When considering distance between cargo floor and passenger floor or lateral distance to nearest other predesignated area, drop any fraction of an inch: for example, 54.6 becomes 54.



Example 4.

PART I

Cargo areas A and B in a passenger-carrying aircraft have been predesignated for stowage of "radioactive yellow" label packages. Passenger compartments are above the predesignated areas.

Area A. Cargo floor to passenger floor is 79 inches; lateral distance to nearest other predesignated area (area B) is 513 inches.

Area B. Cargo floor to passenger floor is 75.6 inches; lateral distance to nearest other predesignated area (area A) is 513 inches.

Select the appropriate TI-limit chart (Appendix C) for each of these areas.

For Area B use Chart 79 (292 or more). For Area B use Chart 75(276 or more).

PART II

Nine packages with "radioactive yellow" labels are stowed in the predesignated areas A and B described above.

Area A

	Package Height	
Package	(Inches)	Transport Index
1	5	0.5
2	12	3.0
3	15	2.1
4	4	0.6
5	9	0.6
		6.8

The maximum package height is 15 inches (package 3, tallest in the area) and the sum of the transport indexes (0.5 + 3.0 + 2.1 + 0.6 + 0.6) equals 6.8. Chart 79(292 or more) shows that for a maximum package height of 15 inches the TI-limit is 9.0. The sum of the transport indexes (6.8) does not exceed 9.0; therefore, the radioactive cargo in area A is stowed in accordance with separation distances specified in 49 CFR 175.701.

Area B

	Package Height	
Package	(Inches)	Transport Index
6	9	2.4
7	12	3.0
8	12	2.0
9	12	3.0
		10.4

The height of the tallest package is 12 inches and the sum of the transport indexes (2.4 + 3.0 + 2.0 + 3.0) equals 10.4. Chart 75 (276 or more) shows that for a maximum package height of 12 inches the TI-limit is 9.0. The sum of the transport indexes in area B (10.4) exceeds this limit. One of the packages in this area must be removed.

If package 8 in area B is transferred to area A, the radioactive cargo in both areas will be stowed in accordance with separation distances specified in 49 CFR 175.701.

Example 5. (Simplified loading procedure)

"Radioactive yellow" label packages transported by Flyfast Airlines are 18 inches or less in height. To simplify the loading of such shipments, the airline uses the TI-limit specified for a maximum package height of 18 inches, even though the maximum package height on some flights is less than 18 inches. According to this procedure, what is the TI-limit for a predesignated area where the minimum distance between the cargo floor and the passenger floor is 71 inches and the minimum lateral distance to the nearest other predesignated area is 230 inches?

Chart 71(228 to 243) shows that for a maximum package reight of 18 inches the TI-limit is 7.0. (Note: The TI-limit would be less than 7.0, if any "radioactive yellow" package in the area was more than 19 inches high.)

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APPENDIX A. TI-LIMIT CHARTS FOR PASSENGER-CARRYING AIRCRAFT WHERE AN APPROVED SYSTEM OF PREDESIGNATED AREAS IS NOT IN USE

CHART 16		CHART 17		CHART 18	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4	1.0	4 to 5	1.0	4 to 6	1.0
CHART 19		CHART 20		CHART 21	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 7	1.0	4 to 8	1.0	4 to 9	1.0
CHART 22		CHART 23		CHART 24	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 10	1.0	4 to 11	1.0	4 >4 to 12	2.0 1.0
CHART 25		CHART 26		CHART 27	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 5 >5 to 13	2.0	4 to 6 >6 to 14	2.0 1.0	4 to 7 >7 to 15	2.0 1.0
CHART 28		CHART 29		CHART 30	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Incnes)	TI <u>Limit</u>	Max Pkg Ht (Inches)	TI Limit
4 to 8 98 to 16	2.0 1.0	4 to 9 >9 to 17	2.0	4 to 10 >10 to 18	2.0

CHART 31		CHART 32		CHART 33	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 11	2.0	4	3.0	4 to 5	3.0
>11 to 19	1.0	>4 to 12	2.0	>5 to 13	2.0
		>12 to 20	1.0	>13 to 21	1.0
CHART 34		CHART 35		CHART 36	
Max Pkg Hc	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
		_			
4 to 6	3.0	4 to 7	3.0	4 to 8	3.0
	2.0	>7 to 15	2.0	>8 to 16	
>14 to 22	1.0	>15 to 23	1.0	>16 to 24	1.0
CHART 37		CHART 38		CHART 39	
		15 W ***		Max Pkg Ht	TI
Max Pkg Ht	TI	Max Pkg Ht	TI	(Inches)	Limit
(Inches)	Limit	(Inches)	Limit	· · · · · · · · · · · · · · · · · · ·	
		4	4.0	4 to 5	4.0
4 to 9	3.0	>4 to 10	3.0	>5 to 11	3.0
>9 to 17	2.0	>10 to 18	2.0	>11 to 19	2.0
>17 to 25	1.0	>18 to 26	1.0	>19 to 27	1.0
		20 60 20	1. 0		
CHART 40		CHART 41		CHART 42	
Max Pkg Ht	TI	Max Pkg Ht	: TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)		(Inches)	Limit
(Indice)					
4 to 6	4.0	4 to 7	4.0	4 to 8	4.0
>6 to 12	3.0	>7 to 13	3.0	>8 to 14	3.0
>12 to 20	2.0	>13 to 21	2.0	>14 to 22	2.0
>20 to 28	1.0	>21 to 29	1.0	>22 to 30	1.0
		CHART 44			
CHART 43		CHARL 44		CHART 45	
Max Pkg Ht	z TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Lirit	(Inches)	Limit
4 to 9	4.0	4	5.0	A + A E	5.0
>9 to 15		>4 to 10	4.0	4 to 5	4.0
>15 to 23		>10 to 16	3.0	>5 to ll >11 to l7	3.0
>23 to 31	1.0	>16 to 24		>11 to 17	2.0
-23 (0 31	1.0	>24 to 32	1.0	>25 to 33	1.0
			•	-23 to 33	1.0

CHART 46		CHART 47		CHART 48	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 6 >6 to 12 >12 to 18 >18 to 26 >26 to 34	5.0 4.0 3.0 2.0 1.0	4 to 7 >7 to 13 >13 to 19 >19 to 27 >27 to 35	5.0 4.0 3.0 2.0 1.0	4 to 8 >8 to 14 >14 to 20 >20 to 28 >28 to 36	5.0 4.0 3.0 2.0 1.0
CHART 49		CHART 50		CHART 51	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 9 >9 to 15 >15 to 21 >21 to 29 >29 to 37	5.0 4.0 3.0 2.0 1.0	4 >4 to 10 >10 to 16 >16 to 22 >22 to 30 >30 to 38	6.0 5.0 4.0 3.0 2.0	4 to 5 >5 to 11 >11 to 17 >17 to 23 >23 to 31 >31 to 39	6.0 5.0 4.0 3.0 2.0
CHART 52		CHART 53		CHART 54	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht _{Inches}	TI Limit	Max Pkg Ht _{Inches}	TI Limit
4 to 6 >6 to 12 >12 to 18 >18 to 24 >24 to 32 >32 to 40	6.0 5.0 4.0 3.0 2.0	4 to 7 >7 to 13 >13 to 19 >19 to 25 >25 to 33 >33 to 41	6.0 5.0 4.0 3.0 2.0	4 to 8 >8 to 14 >14 to 20 >20 to 26 >26 to 34 >34 to 42	6.0 5.0 4.0 3.0 2.0
CHART 55		CHART 56		CHART 57	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 9 >9 to 15 >15 to 21 >21 to 27 >27 to 35 >35 to 43	6.0 5.0 4.0 3.0 2.0	4 >4 to 10 >10 to 16 >16 to 22 >22 to 28 >28 to 36 >36 to 44	7.0 6.0 5.0 4.0 3.0 2.0	4 to 5 >5 to 11 >11 to 17 >17 to 23 >23 to 29 >29 to 37 >37 to 45	7.0 6.0 5.0 4.0 3.0 2.0

CHART 58		CHART 59		CHART 60	
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht	TI	Max Pkg Ht	TI
		(Inches)	Limit	(Inches)	Limit
4 to 6	7.0			_	
>6 to 12	6.0	4 to 7	7.0	4 to 8	7.0
>12 to 18	5.0	>7 to 13	6.0	>8 to 14	6.0
>18 to 24	4.0	>13 to 19	5.0	>14 to 20	5.0
>24 to 30	3.0	>19 to 25	4.0	>20 to 26	4.0
>30 to 38	2.0	>25 to 31	3.0	>26 to 32	3.0
>38 to 46		>31 to 39	2.0	>32 to 40	2.0
>30 £0 40	1.0	>39 to 47	1.0	>40 to 48	1.0
CHART 61		CHART 62		CHART 63	
-					
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
	TIME C				Janua C
4	8.0	4 to 5	8.0	4 to 6	8.0
>4 to 9	7.0	>5 to 10	7.0	>6 to 11	7.0
>9 to 15	6.0	>10 to 16	6.0	>11 to 17	6.0
>15 to 21		>16 to 22	5.0	>17 to 17	
>21 to 27	5.0	>22 to 28	4.0	>23 to 29	5.0
	4.0	>28 to 34	3.0		4.0
>27 to 33	3.0	>34 to 42	2.0	>29 to 35	3.0
>33 to 41	2.0	>42 to 50		>35 to 43	2.0
>41 to 49	1.0	742 (0 30	1.0	>43 to 51	1.5
CHART 64		CHART 65		CHART 66	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
(Inches)	TIMIC				
4 to 7	8.0	4	9.0	4 to 5	9.0
>7 to 12		>4 to 8	8.0	>5 to 9	8.0
	7.0	>8 to 13	7.0	>9 to 14	7.0
>12 to 18	6.0	>13 to 19	6.0	>14 to 20	6.0
>18 to 24	5.0	>19 to 25	5.0	>20 to 25	5.0
>24 to 30	4.0	>25 to 31	4.0	>26 to 32	
>30 to 36	3.0	>31 to 37	3.0	>32 to 38	4.0
>36 to 44	2.0	>37 to 45	2.0	>32 to 38	3.0
>44 to 52	1.0	>45 to 53	1.0	>46 to 54	2.0
			1.0	740 EO 54	1.0

CHART 67		CHART 68		CHART 69	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
		(2.70.1.027	Tagain to	_(Livelies)	TILLIT.
4 to 6	9.0	4 to 7	9.0	4	10.0
>6 to 10	8.0	>7 to 11	8.0	>4 to 8	9.0
>10 to 15	7.0	>11 to 16	7.0	>8 to 12	8.0
>15 to 21	6.0	>16 to 22	6.0	>12 to 17	
>21 to 27	5.0	>22 to 28	5.0	>17 to 23	7.0
>27 to 33	4.0	>28 to 34	4.0	>23 to 29	6.0
>33 to 39	3.0	>34 to 40	3.0	>29 to 35	5.0
>39 to 47	2.0	>40 to 48			4.0
>47 to 55	1.0		2.0	>35 to 41	3.0
1, 60 33	1.0	>48 to 56	1.0	>41 to 49	2.0
				>49 to 57	1.0
CHART 70					
CHARI /O		CHART 71		CVI	
May Dbg Ut	TI			CHART 72	
Max Pkg Ht		Max Pkg Ht	TI	**	
(Inches)	Limit	(Inches)	Limit	Max Pkg Ht	TI
4 4- 5	30.0			(Inches)	Limit
4 to 5	10.9	4 to 6	10.0		
>5 to 9	9.0	>6 to 10	9.0	4 to 7	10.0
>9 to 13	8.0 -	>10 to 14	8.0	>7 to 11	9.0
>13 to 18	7.0	>14 to 19	7.0	>11 to 15	8.0
>18 to 24	6.0	>19 to 25	6.0	>15 to 20	7.0
>24 to 30	5.0	>25 to 31	5.0	>20 to 26	6.0
>30 to 36	4.0	>31 to 37	4.0	>26 to 32	5.0
>36 to 42	3.0	>37 to 43	3.0	>32 to 38	4.0
>42 to 50	2.0	>43 to 51	2.0	>38 to 44	3.0
>50 to 58	1.0	>51 to 59	1.0	>44 to 52	2.0
		42 60 37	1.0	>52 to 60	1.0
CHART 73					
		CHART 74		r 75	
Max Pkg Ht	TI				
(Inches)	Limit	Max Pkg Ht	TI	max Pkg Ht	TI
· · · · · · · · · · · · · · · · · · ·		(Inches)	Limit	(Inches)	Limit
4	11.C				
>4 to 8	10.0	4 to 5	11.0	4 to 6	11.0
>8 to 12	9.0	>5 to 9	10.0	>6 to 10	10.0
>12 to 16	8.0	> 9 to 13	9.0	>10 to 14	9.0
>16 to 21	7.0	>13 to 17	8.0	>14 to 18	8.0
>21 to 27	6.0	>17 to 22	7.0	>18 to 23	7.0
>27 to 33	5.0	>22 to 28	6.0	>23 to 29	6.0
>33 to 39	4.0	>28 to 34	5.0	>29 to 35	
>39 to 45		>34 to 40	4.0	>35 to 41	5.0
>45 to 53	3.0	>40 to 46	3.0	>41 to 47	4.0
	2.0	>46 to 54	2.0		3.0
>53 to 61	1.0	>54 to 62	1.0	>47 to 55	2.0
				>55 to 63	1.0

CHART 76		CHART 77		CHART 78	
Max Pkg Ht	TI	Max Pkq Ht	TI	Max Pkg Ht	mT
(Inches)	Limit	(Inches)	Limit		TI
			DARKE C	(Inches)	Limit
4 to 7	11.0	4	12.0	4 to 5	12.0
>7 tc 11	10.0	>4 to 8	11.0	>5 to 9	11.0
>11 to 15	9.0	>8 to 12	10.0	>9 to 13	10.0
>15 to 19	8.0	>12 to 16	9.0	>13 to 17	9.0
>19 to 24	7.0	>16 to 20	8.0	>17 to 21	8.0
>24 to 30	6.0	>20 to 25	7.0	>21 to 26	7.0
>30 to 36	5.0	>25 to 31	6.0	>26 to 32	6.0
>36 to 42	4.0	>31 to 37	5.0	>32 to 38	5.0
>42 to 48	3.0	>37 to 43	4.0	>32 to 30	
>48 to 56	2.0	>43 to 49	3.0	>44 to 50	4.0
>56 to 64	1.0	>49 to 57	2.0	>50 to 58	3.0
		>57 to 65	1.0	>58 to 66	2.0 1.0
CHART 79	TI	CHART 80		CHART 81	
_(Inches)	Limit	Max Pkg Ht	TI	Max Pkg Et	TI
_(23,03,00)	TITRITE	(Inches)	Limit	(Inches)	Limit
4 to 6	12.0	4 to 7	12.0	4	13.0
>6 to 10	11.0	>7 to 11	11.0		12.0
>10 to 14	10.0	>11 to 15	10.0	_	11.0
>14 to 18	9.0	>15 to 19	9.0		10.0
>18 to 22	8.0	>19 to 23	8.0	>16 to 20	9.0
>22 to 27	7.0	>23 to 28	7.0	>20 to 24	8.0
>27 to 33	6.0	>28 to 34	6.0	>24 to 29	7.0
>33 to 39	5.0	>34 to 40	5.0	>29 to 35	6.0
>39 to 45	4 0	> 40 b- 40	4.0		
>45 to 51	4.0	>40 to 46	4.0	235 to 41	5.0
	3.0	>40 to 46 >46 to 52	3.0	>35 to 41 >41 to 47	5.0 4.0
>51 to 59	3.0 2.0			>41 to 47	4.0
>51 to 59 >59 to 67	3.0	>46 to 52	3.0	>41 to 47 >47 to 53	4.0 3.0
	3.0 2.0	>46 to 52 >52 to 60	3.0 2.0	>41 to 47	4.0

CHART 82

Max	Pkg Ht		TI
(Ir	(Inches)		Limit
4	to	5	13.0
>5	to	9	12.0
>9	to	13	11.0
>13	to	17	10.0
>17	to	21	9.0
>21	to	25	8.0
>25	to	30	7.0
>30	to	36	6.0
>36	to	42	5.0
>42	to	48	4.0
>48	to	54	3.0
>54	to	62	2.0
>62	to	70	1.0

APPENDIX B. CARGO COMPARTMENT DIMENSIONS AND DISTANCE TO NEAREST PASSENGER OR CREW AREA

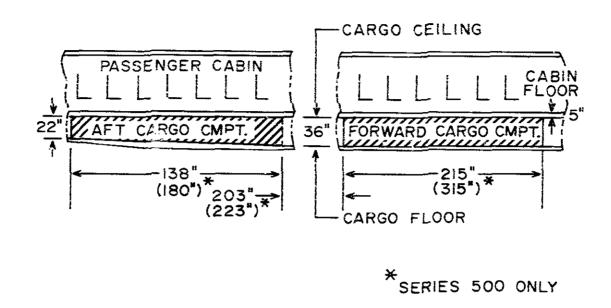


Figure 1. BAC-1-11-200/400/500

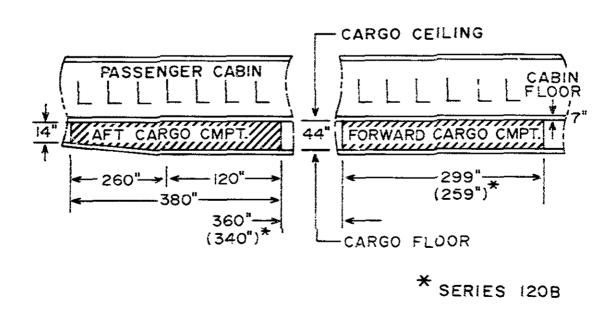


Figure 2. B-707-120B/320/320B/420

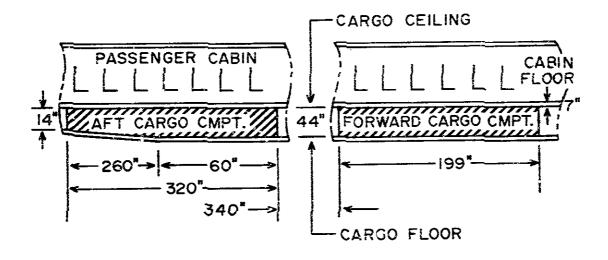


Figure 3. B-720/7208

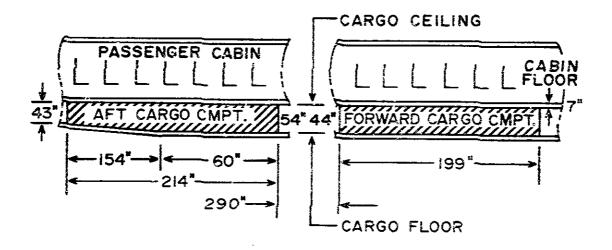


Figure 4. B-727-100

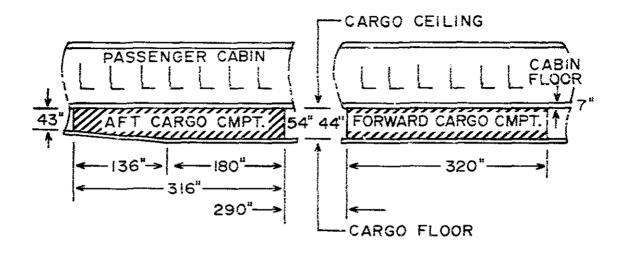


Figure 5. B-727-200

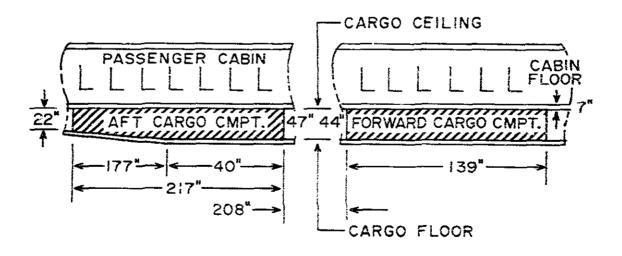


Figure 6. B-737-100

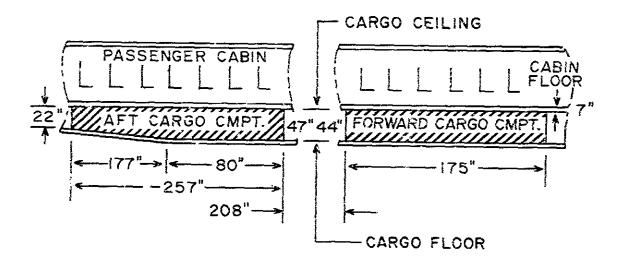


Figure 7. B-737-200

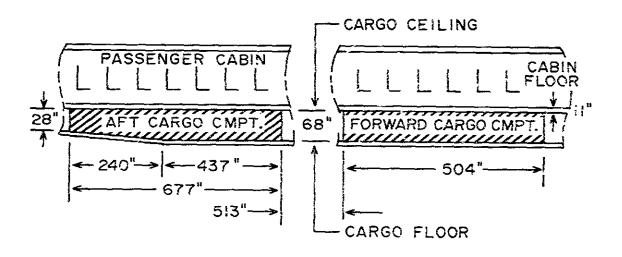


Figure 8. B-747/7478

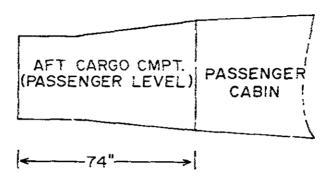


figure 9. DHC-6-300

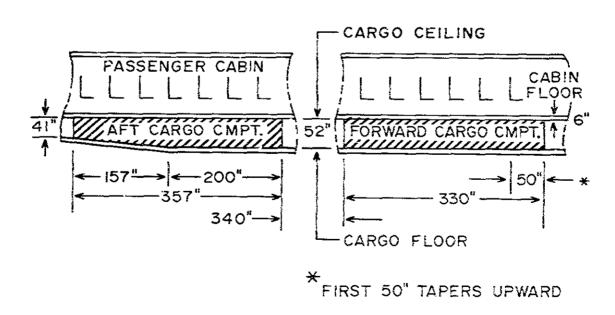


Figure 10. DC-8-43/55

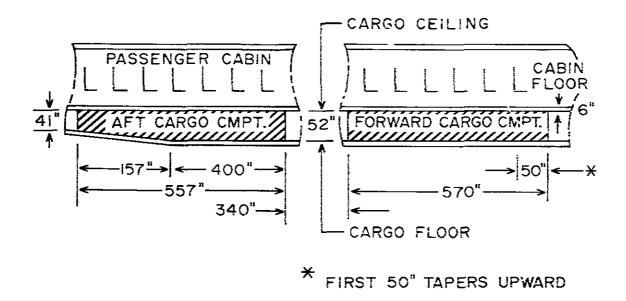


Figure 11. DC-8-61/63

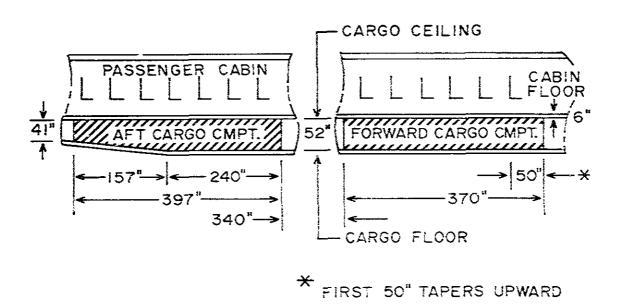


Figure 12. DC-8-62

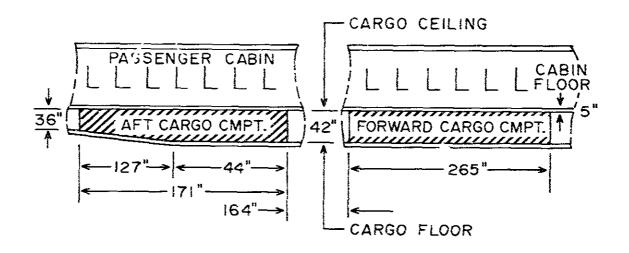


Figure 13. DC-9-10/20

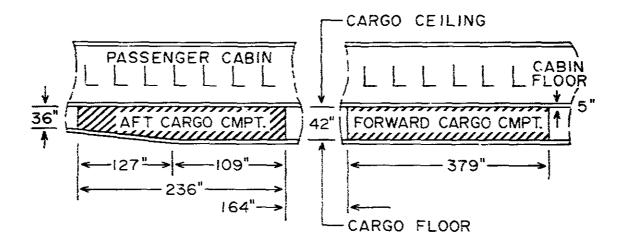


Figure 14. DC-9-30

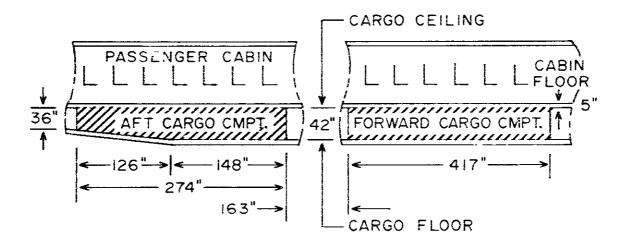


Figure 15. DC-9-40

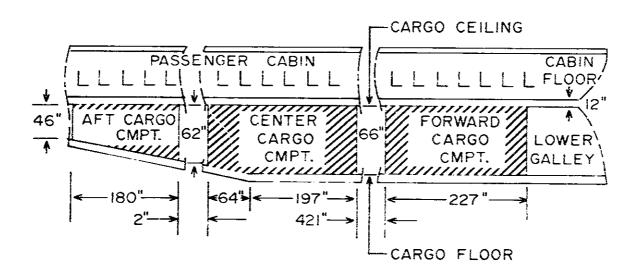
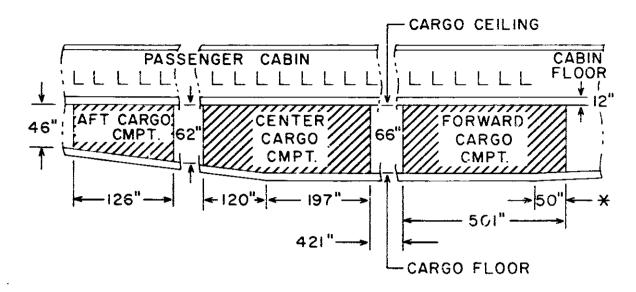


Figure 16. DC-10-10/20/30/40 (with lower galley)



* FIRST 50" TAPERS UPWARD

Figure 17. DC-10-30 (without lower galley)

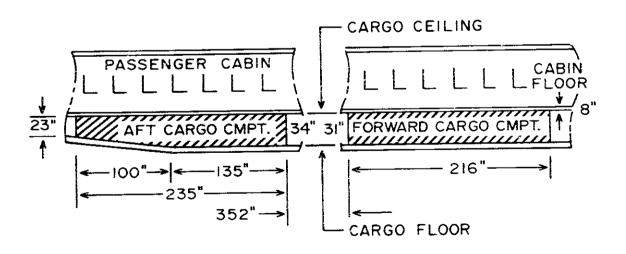


Figure 18. L-188 (except American Airlines)

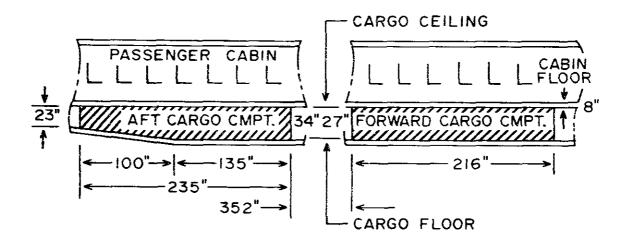


Figure 19. L-188 (American Airlines)

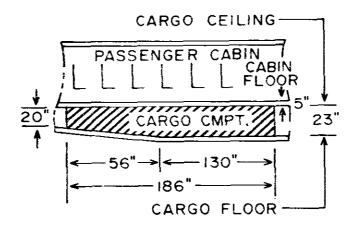


Figure 20. M-404

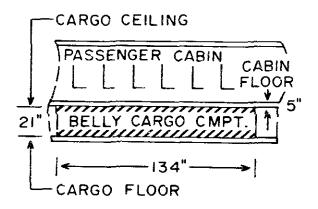


Figure 21. YS-11A Piedmont

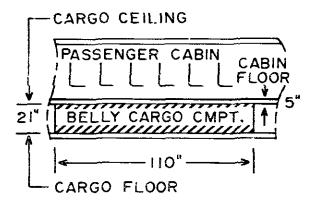


Figure 22. YS-11/11A Standard

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APPENDIX C. TI-LIMIT CHARTS FOR PASSENGER-CARRYING AIRCRAFT WHERE AN APPROVED SYSTEM OF PREDESIGNATED AREAS IS IN USE

16(48 or more) 28(80 or more)

CHART 16(48 or more)	CHART 17(48 or more)	CHART 18(48 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Titofico) Dimit	(21101103)	
4 1.0	4 to 5 1.0	4 to 6 1.0
CHART 19(48 or more)	CHART 20(48 or more)	CHART 21(48 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 7 1.0	4 to 8 1.0	4 to 9 1.0
CHART 22(48 or more)	CHART 23(48 or more)	CHART 24(48 to 79)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
VIIICHES/ BIATE	(4110100)	
4 to 10 1.0	4 to 11 1.0	4 to 12 1.0
CHART 24(80 or more)	CHART 25(48 to 79)	CHART 25(80 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Inches) Binge	(Indica)	
4 2.0	4 to 13 1.0	4 to 5 2.0
>4 to 12 1.0		>5 to 13 1.0
1 (0 15 110		
CHART 26(48 to 79)	CHART 26(80 or more)	CHART 27(48 to 79)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 14 1.0	1 to 6 2.0 >6 to 14 1.0	4 to 15 1.0
CHART 27(80 or more)	CHART 28(48 to 79)	CHART 28(80 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(11101160) minute		
4 to 7 2.0 >7 to 15 1.0	4 to 16 1.0	1 to 8 2.0 >8 to 16 1.0

29(48 to 79)

34(112 or more)

CHART 29(48 to 79)	CHART 29(80 or more)	CHART 30(48 to 79)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 17 1.0	4 to 9 2.0 >9 to 17 1.0	4 to 18 1.0
CHART 30(80 or more)	CHART 31(48 to 79)	CHART 31(80 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 10 2.0 >10 to 18 1.3	4 to 19 1.0	4 to 11 2.0 >11 to 19 1.0
CHART 32(48 to 79)	CHART 32(80 to 111)	CHART 32(112 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 20 1.0	4 to 12 2.0 >12 to 20 1.0	4 3.0 >4 to 12 2.0 >12 to 20 1.0
CHART 33(48 to 79)	CHART 33(80 to 111)	CHART 33(112 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 21 1.0	4 to 13 2.0 >13 to 21 1.0	4 to 5 3.0 >5 to 13 2.0 >13 to 21 1.0
CHART 34(48 to 79)	CHART 34(80 to 111)	CHART 34(112 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 22 1.0	4 to 14 2.0 >14 to 22 1.0	4 to 6 3.0 >6 to 14 2.0 >14 to 22 1.0

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35(48 to 79)

39(80 to 111)

CHART 35(48 to 79)	CHART 35(80 to 111)	CHART 35(112 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 23 1.0	4 to 15 2.0 >15 to 23 1.0	4 to 7 3.0 >7 to 15 2.0 >15 to 23 1.0
CHART 36 (48 to 79)	CHART 36(80 to 111)	CHART 36(112 or more)
Max Pkg Ht TI (Inches) Limit	Hax Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 24 1.0	4 to 16 2.0 >16 to 24 1.0	4 to 8 3.0 >8 to 16 2.0 >16 to 24 1.0
CHART 37(48 to 79)	CHART 37(80 to 111)	CHART 37(112 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 25 1.0	4 to 17 2.0 >17 to 25 1.0	4 to 9 3.0 >9 to 17 2.0 >17 to 25 1.0
CHART 38(48 to 79)	CHART 38(80 to 111)	CHART 38(112 to 135)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 26 1.0	4 to 18 2.0 >18 to 26 1.0	4 to 10 3.0 >10 to 18 2.0 >18 to 26 1.0
CHART 38(136 or more)	CHART 39(48 to 79)	CHART 39(80 to 111)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 4.0 >4 to 10 3.0 >10 to 18 2.0 >18 to 26 1.0	4 to 27 1.0	4 to 19 2.0 >19 to 27 1.0

CHART 39(112 to 135)	CHART 39(136 or more)	CHART 40 (48 to 79)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 11 3.0 >11 to 19 2.0 >19 to 27 1.0	4 to 5 4.0 >5 to 11 3.0 >11 to 19 2.0 >19 to 27 1.0	4 to 28 1.3
CHART 40(80 to 111)	CHART 40(112 to 135)	CHART 40(136 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 20 2.0 >20 to 28 1.0	4 to 12 3.0 >12 to 20 2.0 >20 to 28 1.0	4 to 6 4.0 >6 to 12 3.0 >12 to 20 2.0 >20 to 28 1.0
CHART 41(48 to 79)	CHART 41(80 to 111)	CHART 41(112 to 135)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 29 1.0	4 to 21 2.0 >21 to 29 1.0	4 to 13 3.0 >13 to 21 2.0 >21 to 29 1.0
CHART 41(136 or more)	CHART 42(48 to 79)	CHART 42(80 to 111)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 7 4.0 >7 to 13 3.0 >13 to 21 2.0 >21 to 29 1.0	4 to 30 1.0	4 to 22 2.0 >22 to 30 1.0
CHART 42(112 to 135)	CHART 42(136 or more)	CHART 43(48 to 79)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 14 3.0 >14 to 22 2.0 >22 to 30 1.0	4 to 8 4.0 >8 to 14 3.0 >14 to 22 2.0 >22 to 30 1.0	4 to 31 1.0

43(80 to 111)

45(136 to 159)

43(00 50 111)		
CHART 43(80 to 111)	CHART 43(112 to 135)	CHART 43(136 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
	4 to 15 3.0	4 to 9 4.0
4 to 23 2.0	>15 to 23 2.0	>9 to 15 3.0
>23 to 31 1.0	>23 to 31 1.0	>15 to 23 2.0
	723 60 32 270	>23 to 31 1.0
CHART 44(48 to 79)	CHART 44(80 to 111)	CHART 44(112 to 135)
	No. 174	Max Pkg Ht TI
Max Pkg Ht TI	Max Pkg Ht TI	(Inches) Limit
(Inches) Limit	(Inches) Limit	(23.010.07)
4 5 22 3.0	4 to 24 2.0	4 to 16 3.0
4 to 32 1.0	>24 to 32 1.0	>16 to 24 2.0
	V 2 2 00 32	>24 to 32 I.0
CHART 44(136 to 159)	CHART 44(160 or more)	CHART 45(48 to 79)
Man Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
		4 to 33 1.0
4 to 10 4.0	4 5.0	4 50 33 1.0
>10 to 16 3.0	>4 to 10 4.0	
>16 to 24 2.0	>10 to 16 3.0 >15 to 24 2.0	
>24 to 32 1.0	>16 to 24 2.0 >24 to 32 1.0	
	724 EO 32 1.U	
CHART 45(80 to 111)	CHART 45(112 to 135)	CHART 45(136 to 159)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
	4 to 17 3.0	4 to 11 4.0
4 to 25 2.0	>17 to 25 2.0	>11 to 17 3.3
>25 to 33 1.0	>25 to 33 1.0	>17 to 25 2.0
	723 60 33 4.0	>25 to 33 1.0

45(160 or more)

48(48 to 79)

CHART 45(160 or more)	CHART 46(48 to 79)	CHART 46(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 5 5.0	4 to 34 1.0	4 to 26 2.0
>5 to 11 4.0		>26 to 34 1.0
>11 to 17 3.0		
>17 to 25 2.0		
>25 to 33 1.0		
CHART 46(112 to 135)	CHART 46(136 to 159)	CHART 46(160 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(THORES) DIREC	(23000)	
4 to 18 3.0	4 to 12 4.0	4 to 6 5.0
>18 to 26 2.0	>10 to 18 3.0	>6 to 12 4.0
>26 to 34 1.0	>18 to 26 2.0	>12 to 18 3.0
20 00 31	>26 to 34 1.0	>18 to 26 2.0
	20 00 01 210	>26 to 34 1.0
CHART 47(48 to 79)	CHART 47(80 to 111)	CHART 47(112 to 135)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 35 1.0	4 to 27 2.0	4 to 19 3.0
	>27 to 35 1.0	>19 to 27 2.0
		>27 to 35 1.0
CHART 47(136 to 159)	CHART 47(160 or more)	CHART 48(48 to 79)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 13 4.0	4 to 7 5.0	4 to 36 1.0
>13 to 19 3.0	>7 to 13 4.0	
>19 to 27 2.0	>13 to 19 3.0	
>27 to 35 1.0	>19 to 27 2.0	
	>27 to 35 1.0	

48(80 to 111)

50(112 to 135)

10,000 00 111,		
CHART 48(80 to 111)	CHART 48(112 to 135)	CHART 48(136 to 159)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
	-	
4 to 28 2.0	4 to 26 3.0	4 to 14 4.0
>28 to 36 1.0	>20 to 28 2.0	>14 to 20 3.0 >20 to 28 2.0
	>28 to 36 1.0	>28 to 36 1.0
		720 to 36 1.0
CHART 48(160 or more)	CHART 49 (48 to 79)	CHART 49(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 8 5.0	4 to 37 1.0	4 to 29 2.0
>8 to 14 4.0		>29 to 37 1.0
>14 to 20 3.0		
>20 to 28 2.0 >28 to 36 1.0		
>20 10 30 1.0		
CHART 49(112 to 135)	CHART 49(136 to 159)	CHART 49(160 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 21 3.0	4 to 15 4.0	4 to 9 5.0
>21 to 29 2.0	>15 to 21 3.0	>9 to 15 4.0
>29 to 37 1.0	>21 to 29 2.0	>15 to 21 3.0
	>29 to 37 1.0	>21 to 29 2.0 >29 to 37 1.0
		>29 to 31 1.0
CHART 50(48 to 79)	CHART 50(80 to 111)	CHART 50(112 to 135)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 38 1.0	4 to 30 2.0	4 to 22 3.0
	>30 to 38 1.0	>22 to 30 2.0
		>30 to 38 1.0

50(136 to 159)	52(112 to 135)

CHART 50(136 to 159)	CHART 50(160 to 183)	CHART 50(184 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(inches) Hinte	(Inches) Limit	(Thenes) Limit
4 to 16 4.0	4 to 10 5.0	4 6.0
>16 to 22 3.0	>10 to 16 4.0	>4 to 10 5.0
>22 to 30 2.0	>16 to 22 3.0	>10 to 16 4.0
>30 to 38 1.0	>22 to 30 2.0	>16 to 22 3.0
	>30 to 38 1.0	>22 to 30 2.0
		>30 to 38 1.0
CHART 51 (48 to 79)	CHART 51(80 to 111)	CEART 51(112 to 135)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	_(Inches)_ Limit
(Inches) Dimic	(1110.1es) Dimic	(Inches) Hinte
4 to 39 1.0	4 to 31 2.0	4 to 23 3.0
	>31 to 39 1.0	>23 to 31 2.0
		>31 to 39 1.0
CHART 51(136 to 159)	Graph 51 (160 to 100)	CHART 51(184 or more)
	CHART 51 (160 to 183)	
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0	Max Pkg Ht TI (Inches) Limit
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(48 to 79)	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135)
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135) Max Pkg Ht TI
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(48 to 79)	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(80 to 111)	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135)
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(48 to 79) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(80 to 111) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135) Max Pkg Ht TI (Inches) Limit
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(48 to 79) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(80 to 111) Max Pkg Ht TI (Inches) Limit 4 to 32 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135) Max Pkg Ht TI (Inches) Limit 4 to 24 3.0
Max Pkg Ht TI (Inches) Limit 4 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(48 to 79) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(80 to 111) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 5 6.0 >5 to 11 5.0 >11 to 17 4.0 >17 to 23 3.0 >23 to 31 2.0 >31 to 39 1.0 CHART 52(112 to 135) Max Pkg Ht TI (Inches) Limit

52(136 to 159)

54(112 to 13:

CHART 52 (136 to 159)	CHART 52(160 to 183)	CHART 52(184 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 18 4.0	4 to 12 5.0	4 to 6
>18 to 24 3.0	>12 to 18 4.0	>6 to 12 5.0
>24 to 32 2.0	>18 to 24 3.0	>12 to 18 4.
>32 to 40 1.0	>24 to 32 2.0	>18 to 24 3.3
	>32 to 40 1.0	>24 to 32 2. 2. 32 to 40 1.
	OVER DE \$2/90 to 111)	CHART 53(112 to 135)
CHART 53(48 to 79)	CHART 53(80 to 111)	CIMIC 33 (112 do 14)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Inches) Dimit		
4 to 41 1.0	4 to 33 2.0	4 to 25 3
1 00 11	>33 to 41 1.0	>25 to 33 2.4
		>33 to 41 1.
CHART 53(136 to 159)	CHART 53(160 to 183)	CHART 53(184 or moss
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht Ti
(Inches) Limit	(Inches) Limit	(Inches) Lim
	4 to 13 5.0	4 to 7 %.
4 to 19 4.0	4 to 13 5.0 >13 to 19 4.0	>7 to 13 5.
>19 to 25 3.0	>19 to 25 3.0	>13 to 19 4.
>25 to 33 2.0 >33 to 41 1.0	>25 to 33 2.0	>19 to 25
>33 to 41 1.0	>33 to 41 1.0	>25 to 33
	733 60 43 2.0	>33 to 41 1.
CHART 54(48 to 79)	CHART 54(80 to 111)	CHART 54(112 to 1)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 42 1.0	4 to 34 2.0	4 to 26 3.
	>34 to 42 1.0	>26 to 34 0.5
		>34 to 42

54(136 to 159) 56(112 to 135)

CHART 54(136 to 159)	CHART 54(160 to 183)	CHART 54(184 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 20 4.0 >20 to 26 3.0 >26 to 34 2.0 >34 to 42 1.0	4 to 14 5.0 >14 to 20 4.0 >20 to 26 3.0 >26 to 34 2.0 >34 to 42 1.0	4 to 8 6.0 >8 to 14 5.0 >14 to 20 4.0 >20 to 26 3.0 >26 to 34 2.0 >34 to 42 1.0
CHART 55(48 to 79)	CHART 55(80 to 111)	CHART 55(112 to 135)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 43 1.0	4 to 35 2.0 >35 to 43 1.0	4 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0
CHART 55(136 to 159)	CHART 55(160 to 183)	CHART 55(184 or more)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI _(Inches)Limit	Max Pkg Ht TI (Inches) Limit
4 to 2l 4.0 >2l to 27 3.0 >27 to 35 2.0 >35 to 43 1.0	4 to 15 5.0 >15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0	4 to 9 6.0 >9 to 15 5.0 >15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0
>21 to 27 3.0 >27 to 35 2.0	>15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0	4 to 9 6.0 >9 to 15 5.0 >15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0
>21 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0	>15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0	4 to 9 6.0 >9 to 15 5.0 >15 to 21 4.0 >21 to 27 3.0 >27 to 35 2.0 >35 to 43 1.0

CHART 56(136 to 159)	CHART 56(160 to 183)	CHART 56(184 to 207)
C.E.M. 1 30 (130 CO 137)	CIMIC 30 (100 E0 103)	CIANI 30(104 to 207)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 22 4.0	4 to 16 5.0	4 to 30 6 0
>22 to 28 3.0		4 to 10 6.0
		>10 to 16 5.0
	>22 to 28 3.0	>16 to 22 4.0
>36 to 44 1.0	>28 to 36 2.0	>22 to 28 3.0
	>36 to 44 1.0	>28 to 36 2.0
		>36 to 44 1.0
CHART 56(208 or more)	CHART 57(48 to 79)	CHART 57(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 7.0	4 to 45 1.0	4 to 37 2.0
>4 to 10 6.0		>37 to 45 1.0
>10 to 16 5.0		
>16 to 22 4.0		
>22 to 28 3.0		
>28 to 36 2.0		
>36 to 44 1.0		
CHART 57(112 to 135)	CHART 57(136 to 159)	CHART 57(160 to 183)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 29 3.0	4 to 23 4.0	4 to 17 5.0
>29 to 37 2.0	>23 to 29 3.0	>17 to 23 4.0
>37 to 45 1.0	>29 to 37 2.0	>23 to 29 3.0
	>37 to 45 1.0	>29 to 37 2.0
		>37 to 45 1.0
CHART 57(184 to 207)	CHART 57(208 or more)	CHART 58(48 to 79)
Max Pkg Ht TI		Mana Tilan Tilan MT
(Inches) Limit	Max Pkg Ht TI	Max Pkc at
	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
(Inches) Himic	Max Pkg Ht TI (Inches) Limit	(Inches) Limit
4 to 11 6.0		
	(Inches) Limit	(Inches) Limit
4 to 11 6.0	(Inches) Limit 4 to 5 7.0	(Inches) Limit
4 to 11 6.0 >11 to 17 5.0	(Inches) Limit 4 to 5 7.0 >5 to 11 6.0	(Inches) Limit
4 to 11 6.0 >11 to 17 5.0 >17 to 23 4.0	(Inches) Limit 4 to 5 7.0 >5 to 11 6.0 >11 to 17 5.0	(Inches) Limit
4 to 11 6.0 >11 to 17 5.0 >17 to 23 4.0 >23 to 29 3.0	(Inches) Limit 4 to 5 7.0 >5 to 11 6.0 >11 to 17 5.0 >17 to 23 4.0	(Inches) Limit

: (SU to 111) 59(184 to 207)

MART 58(80 to 111)	CHART 58(112 to 135)	CHART 58(136 to 159)
"ax Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 38 2.0 38 to 46 1.0	4 to 30 3.0 >30 to 38 2.0 >38 to 46 1.0	4 to 24 4.0 >24 to 30 3.0 >30 to 38 2.0 >38 to 46 1.0
EART 58(160 to 183)	CHART 58(184 to 207)	CHART 58(208 or more)
"ix Pkg Ht TI (lnches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 18 5.0 18 to 24 4.0 14 to 30 3.0 00 to 38 2.0 138 to 46 1.0	4 to 12 6.0 >12 to 18 5.0 >18 to 24 4.0 >24 to 30 3.0 >30 to 38 2.0 >38 to 46 1.0	4 to 6 7.0 >6 to 12 6.0 >12 to 18 5.0 >18 to 24 4.0 >24 to 30 3.0 >30 to 38 2.0 >38 to 46 1.0
HART 59(48 to 79)	CHART 59(80 to 111)	CHART 59(112 to 135)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 47 1.0	4 to 39 2.0 >39 to 47 1.0	4 to 31 3.0 >31 to 39 2.0 >39 to 47 1.0
MART 59 (136 to 159)	CHART 59(160 to 183)	CHART 59(184 to 207)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 25 4.0 -25 to 31 3.0 -31 to 39 2.0 -39 to 47 1.0	4 to 19 5.0 >19 to 25 4.0 >25 to 31 3.0 >31 to 39 2.0 >39 to 47 1.0	4 to 13 6.0 >13 to 19 5.0 >19 to 25 4.0 >25 to 31 3.0 >31 to 39 2.0 >39 to 47 1.0

59(208 or more)

61(136 to 159)

CHART 59(208 or more)	CHART 60 (48 to 79)	CHART 60(80 to 111)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 7 7.0 >7 to 13 6.0 >13 to 19 5.0 >19 to 25 4.0 >25 to 31 3.0 >31 to 39 2.0 >39 to 47 1.0	4 to 48 1.0	4 to 40 2.0 >40 to 48 1.0
CHART 60(112 to 135)	CHART 60(136 to 159)	CHART 60(160 to 183)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 32 3.0 >32 to 40 2.0 >40 to 48 1.0	4 to 26 4.0 >26 to 32 3.0 >32 to 40 2.0 >40 to 48 1.0	4 to 20 5.0 >20 to 26 4.0 >26 to 32 3.0 >32 to 40 2.0 >40 to 48 1.0
CHART 60(184 to 207)	CHART 60(208 or more)	CHART 61(48 to 79)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 14 6.0 >14 to 20 5.0 >20 to 26 4.0 >26 to 32 3.0 >32 to 40 2.0 >40 to 48 1.0	4 to 8 7.0 >8 to 14 6.0 >14 to 20 5.0 >20 to 26 4.0 >26 to 32 3.0 >32 to 40 2.0 >40 to 48 1.0	4 to 49 1.0
CHART 61(80 to 111)	CHART 61(112 to 135)	CHART 61(136 to 159)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 41 2.0 >41 to 49 1.0	4 to 33 3.0 >33 to 41 2.0 >41 to 49 1.J	4 to 27 4.0 >27 to 33 3.0 >33 to 41 2.0 >41 to 49 1.0

61(160 to 183)	62 (160 to 183)

CHART 61(160 to 183)	CHART 61(184 to 207)	CHART 61(208 to 227)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 21 5.0 >21 to 27 4.0 >27 to 33 3.0 >33 to 41 2.0 >41 to 49 1.0	4 to 15 6.0 >15 to 21 5.0 >21 to 27 4.0 >27 to 33 3.0 >33 to 41 2.0 >41 to 49 1.0	4 to 9 7.0 >9 to 15 6.0 >15 to 21 5.0 >21 to 27 4.0 >27 to 33 3.0 >33 to 41 2.0 >41 to 49 1.0
CHART 61(228 or more)	CHART 62(48 to 79)	CHART 62(80 to 111)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 8.0 >4 to 9 7.0 >9 to 15 6.0 >15 to 21 5.0 >21 to 27 4.0 >27 to 33 3.0 >33 to 41 2.0 >41 to 49 1.0	4 to 50 1.0	4 to 42 2.0 >42 to 50 1.0
CHART 62(112 to 135)	CHART 62(136 to 159)	CHART 62(160 to 183)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 34 3.0 >34 to 42 2.0 >42 to 50 1.0	4 to 28 4.0 >28 to 34 3.0 >34 to 42 2.0 >42 to 50 1.0	4 to 22 5.0 >22 to 28 4.0 >28 to 34 3.0 >34 to 42 2.0 >42 to 50 1.0

62(184 to 207) 64(48 to 79)

CHART 62(184 to 207)	CHART 62 (208 to 227)	CHART 62(228 or more)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Inches) Dimit	(Theres) Himie	(Thenes) Bimie
4 to 16 6.0	4 to 10 7.0	4 to 5 8.0
>16 to 22 5.0	>10 to 16 6.0	>5 to 10 7.0
>22 to 28 4.0	>16 to 22 5.0	>10 to 16 6.0
>28 to 34 3.0	>22 to 28 4.0	>16 to 22 5.0
>34 to 42 2.0	>28 to 34 3.0	>22 to 28 4.0
>42 to 50 1.0	>34 to 42 2.0	>28 to 34 3.0
742 ED 30 1.0		>34 to 42 2.0
	>42 to 50 1.0	>42 to 50 1.0
		110
CHART 63(48 to 79)	CHART 63(80 to 111)	CHART 63(112 to 135)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 51 1.0	4 to 43 2.0	4 to 35 3.0
	>43 to 51 1.0	>35 to 43 2.0
		>43 to 51 1.0
Max Pkg Ht TI (Inches) Limit 4 to 29 4.0 >29 to 35 3.0 >35 to 43 2.0 >43 to 51 1.0	Max Pkg Ht TI (Inches) Limit 4 to 23 5.0 >23 to 29 4.0 >29 to 35 3.0 >35 to 43 2.0 >43 to 51 1.0	CHART 63(184 to 207) Max Pkg Ht TI (Inches) Limit 4 to 17 6.0 >17 to 23 5.0 >23 to 29 4.0 >29 to 35 3.0 >35 to 43 2.0
CHART 63(208 to 227) Max Pkg Ht TI (Inches) Limit	CHART 63(228 or more) Max Pkg Ht TI (Inches) Limit	>43 to 51 1.0 CHART 64(48 to 79) Max Pkg Ht TI (Inches) Limit
4 to 11 7.0 >11 to 17 6.0 >17 to 23 5.0 >23 to 29 4.0 >29 to 35 3.0 >35 to 43 2.0 >43 to 51 1.0	4 to 6 8.0 >6 to 11 7.0 >11 to 17 6.0 >17 to 23 5.0 >23 to 29 4.0 >29 to 35 3.0 >35 to 43 2.0 >43 to 51 1.0	4 to 52 1.0

64(80 to 111) 65(160 to 183)

CHART 64(80 t	o 111)	CHART 64(112 to 135)	CHART 64(136 to 159)
Max Pkg Ht	TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches)	Limit	(Inches) Limit	(Inches) Limit
4 to 44	2.0	4 to 36 3.0	4 to 30 4.0
>44 to 52		>36 to 44 2.0	>30 to 36 3.0
		>44 to 52 1.0	>36 to 44 2.0
			>44 to 52 1.0
CHART 64(160	to 183)	CHART 64(184 to 207)	CHART 64(208 to 227)
Max Pkg Ht	TI	Max Pkg Ht TI	Max Pkg Ht rI
(Inches)	Limit	(Inches) Limit	(Inches) Limit
	· · · · · · · · · · · · · · · · · · ·		
4 to 24	5.0	4 to 18 6.0	4 to 12 7.0
>24 to 30	4.0	>18 to 24 5.0	>12 to 18 6.0
>30 to 36	3.0	>24 to 30 4.0	>18 to 24 5.0
>36 to 44	2.0	>30 to 36 3.0	>24 to 30 4.0
>44 to 52	1.0	>36 to 44 2.0	>30 to 36 3.0
		>44 to 52 1.0	>36 to 44 2.0
			>44 to 52 1.0
CHART 64(228	or more)	CHART 65(48 to 79)	CHART 65(80 to 111)
CHART 64(228	or more)	Max Pkg Ht TI	Max Pkg Ht TI
Max Pkg Ht	TI Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
Max Pkg Ht (Inches) 4 to 7	TI Limit 8.0	Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12	TI Limit 8.0 7.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18	TI Limit 8.0 7.0 6.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24	TI Limit 8.0 7.0 6.0 5.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18	TI Limit 8.0 7.0 6.0 5.0 4.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 to 135)	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183)
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183) Max Pkg Ht TI
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112 Max Pkg Ht (Inches)	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 to 135) TI Limit	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183) Max Pkg Ht TI
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112 Max Pkg Ht (Inches) 4 to 37	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 to 135) TI Limit 3.0	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183) Max Pkg Ht TI (Inches) Limit
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112 Max Pkg Ht (Inches) 4 to 37 >37 to 45	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 to 135) TI Limit 3.0 2.0	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI (Inches) Limit 4 to 31 4.0	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183) Max Pkg Ht TI (Inches) Limit 4 to 25 5.0 >25 to 31 4.0 >31 to 37 3.0
Max Pkg Ht (Inches) 4 to 7 >7 to 12 >12 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 44 >44 to 52 CHART 65(112 Max Pkg Ht (Inches) 4 to 37	TI Limit 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 to 135) TI Limit 3.0	Max Pkg Ht TI (Inches) Limit 4 to 53 1.0 CHART 65(136 to 159) Max Pkg Ht TI (Inches) Limit 4 to 31 4.0 >31 to 37 3.0	Max Pkg Ht TI (Inches) Limit 4 to 45 2.0 >45 to 53 1.0 CHART 65(160 to 183) Max Pkg Ht TI (Inches) Limit 4 to 25 5.0 >25 to 31 4.0

65(184 to 207)				66(160	to 183)
CHART 65 (184 to	o 207)	CHART 65'208	to 227)	CHART 65(228	to 243)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
>31 to 37	6.0 5.0 4.0 3.0 2.0	4 to 13 >13 to 19 >19 to 25 >25 to 31 >31 to 37 >37 to 45 >45 to 53	5.0 4.0 3.0	4 to 8 >8 to 13 >13 to 19 >19 to 25 >25 to 31 >31 to 37 >37 to 45 >45 to 53	6.0 5.0 4.0
CHART 65(244 o	r more)	CHART 66 (48	to 79)	CHART 66(80 t	to 111)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
>13 to 19 >19 to 25	9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	4 to 54	1.0	4 to 46 >46 to 54	

CHART 66(112 to 135)	CHART 66(136 to 159)	CHART 66(160 to 183)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 38 3.0	4 to 32 4.0	4 to 26 5.0
>38 to 46 2.0	>32 to 38 3.0	>26 to 32 4.0
>46 to 54 1.0	>38 to 46 2.0	>32 to 38 3.0
	>46 to 54 1.0	>38 to 46 2.0
		>46 to 54 1.0

66(184 to 207)

67(160 to 183)

CHART 66(184 to 207)	CHART 66(208 to 227)	CHART 66(228 to 243)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 20 6.0	4 to 14 7.0	4 to 9 8.0
>20 to 26 5.0	>14 to 20 6.0	>9 to 14 7.0
>26 to 32 4.0	>20 to 26 5.0	>14 to 20 6.9
>32 to 38 3.0	>26 to 32 4.0	>20 to 26 5.0
>38 to 46 2.0	>32 to 38 3.0	>26 to 32 4.3
>46 to 54 1.0	>38 to 46 2.0	>32 to 38 3.0
	>46 to 54 1.0	>38 to 46 2.0
		>46 to 54 1.0
CUDDO (CIDAA a	GVAPE (7 (40) - 70)	CURPO (7(00 b. 333)
CHART 66(244 or more)	CHART 67(48 to 79)	CHART 67(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Therees)	(allottes)	(Literal)
4 to 5 9.0	4 to 55 1.0	4 to 47 2.0
>5 to 9 8.0		>47 to 55 1.0
>9 to 14 7.0		
>14 to 20 6.0		
>20 to 26 5.0		
>26 to 32 4.0		
>32 to 38 3.0		
>38 to 46 2.0		
>46 to 54 1.0		
CHART 67(112 to 135)	CHART 67(136 to 159)	CHART 67(160 to 183)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 39 3.0	4 to 33 4.0	4 to 27 5.0
>39 to 47 2.0	>33 to 39 3.0	>27 to 33 4.0
>47 to 55 1.0	>39 to 47 2.0	>33 to 39 3.0
	>47 to 55 1.0	>39 to 47 2.0
		>47 to 55 1.0

67(184 to 2	2071
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68(160 to 183)

>48 to 56 1.0

CHART 67(184	to 207)	CHART 67(208	to 227)	CHART 67(228	to 243)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
	······································				
4 to 21	6.0	4 to 15	7.0	4 to 10	8.0
>21 to 27	5.0	>15 to 21	6.0	>10 to 15	7.0
>27 to 33	4.0	>21 to 27	5.0	>15 to 21	6.0
>33 to 39	3.0	>27 to 33	4.0	>21 to 27	5.0
>39 to 47	2.0	>33 to 39	3.0	>27 to 33	4.0
>47 to 55	1.0	>39 to 47	2.0	>33 to 39	3.0
		>47 to 55	1.0	>39 to 47	2.0
				>47 to 55	1.0
CHART 67(244	or more)	CHART 68(48 t	co 79)	CHART 68(80 t	o 111)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
		······			
4 to 6	9.0	4 to 56	1.0	4 to 48	2.0
>6 to 10	8.0			>48 to 56	1.0
>10 to 15	7.0				
>15 to 21	6.0				
>21 to 27	5.0				
>27 to 33	4.0				
>33 to 39	3.0				
>39 to 47	2.0				
>47 to 55	1.0				
CHART 68(112	to 135)	. CHART 68(136	to 159)	CHART 68(160	to 183)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)		(Inches)		(Inches)	Limit
4 to 40	3.0	4 to 34	4.0	4 to 28	5.0
>40 to 48	2.0	>34 to 40	3.0	>28 to 34	4.0
>48 to 56	1.0	>40 to 48	2.0	>34 to 40	3.0
		>48 to 56	1.0	>40 to 48	2.0

68(184 to 207)	69 (160	to	183))
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CHART 68(184 to 207) CHART 68(208 to 227) CH	ART 68(228 to 243)
Max Pkg Ht TI Max Pkg Ht TI Ma	ax Pkg Ht TI
(Inches) Limit (Inches) Limit	(Inches) Limit
	4 to 11 8.0 li to 16 7.0
	li to 16 7.0 16 to 22 6.0
	22 to 28 5.0
	28 to 34 4.0
	34 to 40 3.0
	40 to 48 2.0
	48 to 56 1.0
	ART 69(80 to 111)
and the state of t	ax Pkg Ht TI
	ax Pkg Ht TI (Inches) Limit
(Inches) Limit (Inches) Limit	(Tuches) numbe
	4 to 49 2.0
>7 to 11 8.0	49 to 57 1.0
>11 to 16 7.0	
>16 to 22 6.0	
>22 to 28 5.0	
>28 to 34 4.0	
>34 to 40 3.0	
>40 to 48 2.0	
>48 to 56 1.0	
CHART 69(112 to 135) CHART 69(136 to 159) CH	ART 69(160 to 183)
	ax Pkg Ht TI
(Inches) Limit (Inches) Limit	(Inches) Limit
4 to 41 3.0 4 to 35 4.0	4 to 29 5.0
	20 to 35 4.0
	35 to 41 3.0
>49 to 57 1.0 >	41 to 49 2.0
>.	49 to 57 1.0

69(184 to 207)			70(136 t	:0 159)
CHART 69(184	to 207)	CHART 69(208	to 227)	CHART 69(228	to 243)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	Tī
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 23	6.0	4 to 17	7.0	4 to 12	8.0
	5.0	>17 to 23	6.0	>12 to 17	7.0
>29 to 35	4.0	>23 to 29	5.0	>17 to 23	6.0
>35 to 41	3.0	>29 to 35	4.0	>23 to 29	5.0
>41 to 49	2.0	>35 to 41	3.0	>29 to 35	4.0
>49 to 57	1.0	>41 to 49	2.0	>35 to 41	3.0
		>49 to 57	1.0	>41 to 49	2.0
				>49 to 57	1.0
CHART 69(244 Max Pkg Ht (Inches)	TI	CHART 69(260 Max Pkg Ht (Inches)		CHART 70(48 t Max Pkg Ht (Inches)	TI
4 to 8	9.0	4	10.0	4 to 58	1.0
>8 to 12	8.0	>4 to 8	9.0		
>12 to 17	7.0	>8 to 12	8.0		
>17 to 23	6.0	>12 to 17	7.0		
>23 to 29	5.0	>17 to 23	6.0		
>29 to 35	4.0	>23 to 29	5.0		
>35 to 41	3.0	>29 to 35	4.0		
>41 to 49	2.0	>35 to 41	3.0		
>49 to 57	1.0	>41 to 49	2.0		
		>49 to 57	1.0		
CHART 70(80	to 111)	CHART 70(112	to 135)	CHART 70(136	to 159)
Max Pkg Ht	TI	Max Pkg Ht	ŢI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
		-			

3.0

2.0

1.0

4 to 36

>36 to 42

>42 to 50

>50 to 58

4.0

3.0

2.0

1.0

4 to 42

>42 to 50

>50 to 58

2.0

1.0

4 to 50

>50 to 58

CHART 70(160	to 183)	CHART 70(184	to 207)	CHART 70(208	to 227)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)		Max Pkg Ht _(Inches)	TI Limit
4 to 30 >30 to 36 >36 to 42 >42 to 50	5.0 4.0 3.0 2.0	4 to 24 >24 to 30 >30 to 36 >36 to 42	6.0 5.0 4.0 3.0	4 to 18 >18 to 24 >24 to 30 >30 to 36	7.0 6.0 5.0 4.0 3.0
>50 to 58	1.0	>42 to 50 >50 to 58	2.0 1.0	>36 to 42 >42 to 50 >50 to 58	2.0
CHART 70(228	to 243)	CHART 70(244	to 259)	CHART 70 (260	or more)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Et (Inches)		Max Pkg Ht (Inches)	
>13 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 42 >42 to 50 >50 to 58	5.0 4.0 3.0 2.0 1.0	4 tc 9 >9 to 13 >13 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 42 >42 to 50 >50 to 58	9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0	4 to 5 >5 to 9 >9 to 13 >13 to 18 >18 to 24 >24 to 30 >30 to 36 >36 to 42 >42 to 50 >50 to 58 CHART 71(112	5.0 4.0 3.0 2.0 1.0
CHART 71 (48 Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	ŢŢ	Max Pkg Ht (Inches)	TI Limit
4 to 59	1.0	4 to 51 >51 to 59	2.0	4 to 43 >43 to 51 >51 to 59	3.0 2.0 1.0
CHART 71(136	to 159)	CHART 71(160	to 183)	CHART 71(184	to 207)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)	TI Limit
4 to 37 >37 to 43 >43 to 51 >51 to 59	4.0 3.0 2.0 1.0	4 to 31 >31 to 37 >37 to 43 >43 to 51 >51 to 59	5.0 4.0 3.0 2.0 1.0	4 to 25 >25 to 31 >31 to 37 >37 to 43 >43 to 51 >51 to 59	6.0 5.0 4.0 3.0 2.0 1.0

72(160 to 183)

71(208 to 227)

				72 (200	CO 100,
CHART 71(208	to 227)	CHART 71(228	3 to 243)	CHART 71(244	to 259)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)		(Inches)		(Inches)	Limit
		(44.101.02)		(11101100)	
4 to 19	7.0	4 to 14	8.0	4 to 10	9.0
>19 to 25	6.0	>14 to 19		>10 to 14	
>25 to 31	5.0	>19 to 25	6.0	>14 to 19	
>31 to 37	4.0	>25 to 31		>19 to 25	
>37 to 43	3.0	>31 to 37		>25 to 31	
	2.0	>37 to 43		>31 to 37	
	1.0	>43 to 51		>37 to 43	
		>51 to 59		>43 to 51	
		- 31 60 33	0	>51 to 59	
				>21 (0 23	1.0
CHART 71 (260	or more)	CHART 72 (48	to 79)	CHART 72(80	to 111)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	
					
4 to 6	10.0	4 to 60	1.0	4 to 52	2.0
>6 to 10	9.0			>52 to 60	1.0
>10 to 14	8.0				
>14 to 19	7.0				
>19 to 25	6.0				
>25 to 31	5.0				
>31 to 37	4.0				
	3.0				
	2.0				
	1.0				
02 00 33	_,-				
CHART 72(112	to 135)	CHART 72(136	to 159)	CHART 72(160	to 183)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 44	3.0	A += 20	<i>t</i> . O	A to 22	F 2
		4 to 38	4.0	4 to 32	5.0
>44 to 52	2.0	>36 to 44	3.0	>32 to 38	4.0
>52 to 60	1.0	>44 to 52	2.0	>38 to 44	3.0
		>52 to 60	1.0	>44 to 52	2.0
				>52 to 60	1.0

CHART 72(184	to 207)	CHART 72(208 to 227)	CHART 72(228 to 243)
Max Pkg Ht	TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches)	<u>Limit</u>	(Inches) Limit	(Inches) Limit
4 to 26	6.0	4 to 20 7.0	4 to 15 8.0
>26 to 32	5.0	>20 to 26 6.0	>15 to 20 7.0
	4.0	>26 to 32 5.0	>20 to 26 6.0
>38 to 44	3.0	>32 to 38 4.0	>26 to 32 5.0
	2.0	>38 to 44 3.0	>32 to 38 4.0
>52 to 60	1.0	>44 to 52 2.0	>38 to 44 3.0
		>52 to 60 1.0	>44 to 52 2.0
			>52 to 60 1.0
CHART 72(244	to 259)	CHART 72(260 or more)	CHART 73(48 to 79)
Max Pkg Ht	TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches)	Limit	(Inches) Limit	(Inches) Limit
(Thenes)	<u> Directo</u>		
4 to 11	9.0	4 to 7 10.0	4 to 61 1.0
>11 to 15	8.0	>7 to 11 9.0	
>15 to 20	7.0	>11 to 15 8.0	
>20 to 26	6.0	>15 to 20 7.0	
>26 to 32	5.0	>20 to 26 6.0	
>32 to 38	4.0	>26 to 32 5.0	
>38 to 44	3.0	>32 to 38 4.0	
>44 to 52	2.0	>38 to 44 3.0	
>52 to 60	1.0	>44 to 52 2.0	
		>52 to 60 1.0	
CHART 73(80	to 111)	CHART 73(112 to 135)	CHART 73(136 to 159)
Max Pkg Ht	TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches)	Limit	(Inches) Limit	(Inches) Limit
\			
4 to 53	2.0	4 to 45 3.0	4 to 39 4.0
>53 to 61	1.0	>45 to 53 2.0	>39 to 45 3.0
00 00 04	_ • ·	>53 to 61 1.0	>45 to 53 2.0
			>53 to 61 1.0

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73	(<u>1</u>	ου.	to	183)

74(80 to 111)

CHART 73(160 to 183)	CHART 73(184 to 207)	CHART 73(208 to 227)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Inches) Limit	(Inches) Binte	
4 to 33 5.0	4 to 27 6.0	4 to 21 7.0
>33 to 39 4.0	>27 to 33 5.0	>21 to 27 6.0
>39 to 45 3.0	>33 to 39 4.0	>27 to 33 5.0
	>39 to 45 3.0	>33 to 39 4.0
>45 to 53 2.0		>39 to 45 3.0
>53 to 61 1.0	>45 to 53 2.0	>45 to 53 2.0
	>53 to 61 1.0	
		>53 to 61 1.0
CHART 73(228 to 243)	CHART 73(244 to 259)	CHART 73(260 to 275)
	Max Pkg Ht TI	Max Pkg Ht TI
Max Pkg Ht TI	<u> </u>	(Inches) Limit
(Inches) Limit	(Inches) Limit	
4 - 16 9 0	4 to 12 9.0	4 to 8 10.0
4 to 16 8.0	>12 to 16 8.0	>8 to 12 9.0
>16 to 21 7.0	>12 to 10 0.0 >16 to 21 7.0	>12 to 16 8.0
>21 to 27 6.0	>21 to 27 6.0	>16 to 21 7.0
>27 to 33 5.0		>21 to 27 6.0
>33 to 39 4.0	>27 to 33 5.0	>27 to 33 5.0
>39 to 45 3.0	>33 to 39 4.0	
>45 to 53 2.0	>39 to 45 3.0	>33 to 39 4.0
>53 to 61 1.0	>45 to 53 2.0	>39 to 45 3.0
	>53 to 61 1.0	>45 to 53 2.0
		>53 to 61 1.0
CHART 73(276 or more)	CHART 74(48 to 79)	CHART 74(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(21101100)		
4 11.0	4 to 62 1.0	4 to 54 2.0
>4 to 8 10.0		>54 to 62 1.0
>12 to 16 8.0		
>16 to 21 7.0		
>21 to 27 6.0		
>27 to 33 5.0		
>33 to 39 4.0		
>39 to 45 3.0		
>45 to 53 2.0		
>53 to 61 1.0		

CHART 74(112 to 135)	CHART 74(136 to 159)	CHART 74(160 to 183)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 46 3.0	4 to 40 4.0	4 to 34 5.0
>46 to 54 2.0	>40 to 46 3.0	>34 to 40 4.0
>54 to 62 1.0	>46 to 54 2.0	>40 to 46 3.0
	>54 to 62 1.0	>46 to 54 2.0
		>54 to 62 1.0
CHART 74(184 to 207)	CHART 74 (208 to 227)	CHART 74(228 to 243)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 28 6.0	4 to 22 7.0	4 to 17 8.0
>28 to 34 5.0	>22 to 28 6.0	>17 to 22 7.0
>34 to 40 4.0	>28 to 34 5.0	>22 to 28 6.0
>40 to 46 3.0	>34 to 40 4.0	>28 to 34 5.0
>46 to 54 2.0	>40 to 46 3.0	>34 to 40 4.0
>54 to 62 1.0	>46 to 54 2.0	>40 to 46 3.0
754 60 02 1:0	>54 to 62 1.0	>46 to 54 2.0
	- 54 60 62 1.0	>54 to 62 1.0
		31 33 31 311
CHART 74(244 to 259)	CHART 74(260 to 275)	CHART 74(276 or more)
	CHART 74(260 to 275) Max Pkg Ht TI	CHART 74(276 or more) Max Pkg Ht TI
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79)	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135)
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135)
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79)	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(80 to 111) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135) Max Pkg Ht TI
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(80 to 111) Max Pkg Ht TI	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135) Max Pkg Ht TI
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(80 to 111) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135) Max Pkg Ht TI (Inches) Limit
Max Pkg Ht TI (Inches) Limit 4 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(48 to 79) Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit 4 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(80 to 111) Max Pkg Ht TI (Inches) Limit 4 to 55 2.0	Max Pkg Ht TI (Inches) Limit 4 to 5 11.0 >5 to 9 10.0 >9 to 13 9.0 >13 to 17 8.0 >17 to 22 7.0 >22 to 28 6.0 >28 to 34 5.0 >34 to 40 4.0 >40 to 46 3.0 >46 to 54 2.0 >54 to 62 1.0 CHART 75(112 to 135) Max Pkg Ht TI (Inches) Limit 4 to 47 3.0

75 (136 to 159)	76(48 to 79)
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CHART 75(136	to 159)	CHART 75(160	to 183)	CHART 75{184	to 207)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
(Inches)	DIRIL C	(Inches)	MARKE C		
4 to 41	4.0	4 to 35	5.0	4 to 29	6.0
>41 to 47	3.0	>35 to 41	4.0	>29 to 35	5.0
>47 to 55	2.0	>41 to 47	3.0	>35 to 41	4.0
>55 to 63	1.0	>47 to 55	2.0	>41 to 47	3.0
		>55 to 63	1.0	>47 to 55	2.0
				>55 to 63	1.0
CUADO 75 (20)	. 2272	CHART 75(228	÷a 2421	CHART 75(244	to 2591
CHART 75 (208	to 22/)	CHART /3(226	EO 243)	CIMMI 15(244	CO 2337
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
		 			
4 to 23	7.0	4 to 18	8.0	4 to 14	9.0
>23 to 29	6.0	>18 to 23	7.0	>14 to 18	8.0
>29 to 35	5.0	>23 to 29	6.0	>18 to 23	7.0
>35 to 41	4.0	>29 to 35	5.0	>23 to 29	6.0
>41 to 47	3.0	>35 to 41	4.0	>29 to 35	5.0
>47 to 55	2.0	>41 to 47	3.0	>35 to 41	4.0
>55 to 63	1.0	>47 to 55	2.0	>41 to 47	3.0
		>55 to 63	1.0	>47 to 55	2.0
				>55 to 63	1.0
CHART 75 (260	to 275)	CHART 75 (276	or more)	CHART 76 (48	to 79)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
(21101103)	313.1 C				
4 to 10	10.0	4 to 6	11.0	4 to 64	1.0
>10 to 14	9.0	>6 to 10	10.0		
>14 to 18	8.0	>10 to 14	9.0		
>18 to 23	7.0	>14 to 18	8.0		
>23 to 29	6.0	>18 to 23	7.0		
>29 to 35	5.0	>23 to 29	6.0		
>35 to 41	4.0	>29 to 35	5.0		
>41 to 47	3.0	>35 to 41	4.0		
>47 to 55	2.0	>41 to 47	3.0		
>55 to 63	1.0	>47 to 55	2.0		
	•	>55 to 63	1.0		

76(80 to 111) 76(260 to 275)

CHART 76 (80 t	to 111)	CHART 76(112	to 135)	CHART 76 (136	to 159)
Max Pkg Ht	TI	Max Fkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
					
4 to 56	2.0	4 to 48	3.0	4 to 42	4.0
>56 to 64	1.0	>48 to 56	2.0	>42 to 48	3.0
		>56 to 64	1.0	>48 to 56	2.0
		••		>56 to 64	1.0
				30 50 01	2,,,
CHART 76 (160	to 183)	CHART 76(184	to 207)	CHART 76 (208	to 227)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
					
4 to 36	5.0	4 to 30	6.0	4 to 24	7.0
>36 to 42	4.0	>30 to 36	5.0	>24 to 30	6.0
>42 to 48	3.0	>36 to 42	4.0	>30 to 36	5.0
>48 to 56	2.0	>42 to 48	3.0	>36 to 42	4.0
>56 to 64	1.0	>48 to 56	2.0	>42 to 48	3.0
		>56 to 64	1.0	>48 to 56	2.0
				>56 to 64	1.0
CUADM 76 (229	to 242)	OUADO 76 (244	t- 250)	OURDE 76 (260	4.5 27EV
CHART 76 (228	TO 243)	CHART 76 (244	to 259)	CHART 76 (260	to 2/5)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
	,				
4 to 19	8.0	4 to 15	9.0	4 to 11	10.0
>19 to 24	7.0	>15 to 19	8.0	>11 to 15	9.0
>24 to 30	6.0	>19 to 24	7.0	>15 to 19	8.0
>30 to 36	5.0	>24 to 30	6.0	>19 to 24	7.0
>36 to 42	4.0	>30 to 36	5.0	>24 to 30	6.0
>42 to 48	3.0	>36 to 42	4.0	>30 to 36	5.0
>48 to 56	2.0	>42 to 48	3.0	>36 to 42	4.0
>56 to 64	1.0	>48 to 56	2.0	>42 to 48	3.0
		>56 to 64	1.0	>48 to 56	2.0
				>56 to 64	1.0

76(276 or more)	77(228 to 243)
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CHART 76(276	or more)	CHART 77(48	to 79)	CHART 77(80	to 111)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 7	11.0	4 to 65	1.0	4 to 57	2.0
>7 to 11	10.0			>57 to 65	1.0
>11 to 15	9.0				
>15 to 19	8.0				
>19 to 24	7.0				
>24 to 30	6.0				
>30 to 36	5.0				
>36 to 42	4.0				
>42 to 48	3.0				
>48 to 56	2.0				
>56 to 64	1.0				
CHART 77(112	to 135)	CHART 77(136	to 159)	CHART 77(160	to 183)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 49	3.0	4 to 43	4.0	4 to 37	5.0
>49 to 57	2.0	>43 to 49	3.0	>37 to 43	4.0
>57 to 65	1.0	>49 to 57	2.0	>43 to 49	3.0
		>57 to 65	1.0	>49 to 57	2.0
				>57 to 65	1.0
CHART 77(184	to 207)	CHART 77(208	to 227)	CHART 77(228	to 243)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
4 to 31	6.0	4 to 25	7.0	4 to 20	0.8
>31 to 37	5.0	>25 to 31	6.0	>20 to 25	7.0
>37 to 43	4.0	>31 to 37	5.0	>25 to 31	6.0
>43 to 49	3.0	>37 to 43	4.0	>31 to 37	5.0
>49 to 57	2.0	> 43 to 4 9	3.0	>37 to 43	4.0
>57 to 65	1.0	>49 to 57	2.0	>43 to 49	3.0
		>57 to 65	1.0	>49 to 57	2.0
				>57 to 65	1.0

77(244 to 259)

78(160 to 183)

CHART 77(244 to 259)	CHART 77(260 to 275)	CHART 77 (276 to 291)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Inches) Himte		
4 to 16 9.0	4 to 12 10.0	4 to 8 11.0
>16 to 20 8.0	>12 to 16 9.0	>8 to 12 10.0
>20 to 25 7.0	>16 to 20 8.0	>12 to 16 9.0
>25 to 31 6.0	>20 to 25 7.0	>16 to 20 8.0
>31 to 37 5.0	>25 to 31 6.0	>20 to 25 7.0
>37 to 43 4.0	>31 to 37 5.0	>25 to 31 6.0
>43 to 49 3.0	>37 to 43 4.0	>31 to 37 5.0
~49 to 57 2.0	>43 to 49 3.0	>37 to 43 4.0
>57 to 65 1.0	>49 to 57 2.0	>43 to 49 3.0
	>57 to 65 1.0	>49 to 57 2.0
		>57 to 65 1.0
CHART 77(292 or more)	CHART 78(48 to 79)	CHART 78(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
	(Inches) Limit	(Inches) Limit
(Inches) Limit	(Theres)	
4 12.0	4 to 66 1.0	4 to 58 2.0
>4 to 8 11.0		>58 to 66 1.0
>8 to 12 10.0		
>12 to 16 9.0		
>16 to 20 8.0		
>20 to 25 7.0		
>25 to 31 6.0		
>31 to 37 5.0		
>37 to 43 4.9		
>43 to 49 3.0		
>49 to 57 2.0		
>57 to 65 1.0		
CHART 78(112 to 135)	CHART 78(136 to 159)	CHART 78(160 to 183)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 50 3.0	4 to 44 4.0	4 to 38 5.0
>50 to 58 2.0	>44 to 50 3.0	>38 to 44 4.0
>58 to 66 1.0	>50 to 58 2.0	>44 to 50 3.0
	>58 to 66 1.0	>50 to 58 2.0
		>58 to 66 1.0

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78(184 to 207)	79(80 to 111)

CHART 78(184 to 207)	CHART 78(208 to 227)	CHART 78(228 to 243)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pko Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
(Titolog) Dinie	(Money Dime	\Interior Dimite
4 to 32 6.0	4 to 26 7.0	4 to 21 8.0
>32 to 38 5.0	>26 to 32 6.0	>21 to 26 7.0
>38 to 44 4.0	>32 to 38 5.0	>26 to 32 6.0
>44 to 50 3.0	>38 to 44 4.0	>32 to 38 5.0
>50 to 58 2.0	>44 to 50 3.0	>38 to 44 4.0
>58 to 66 1.0	>50 to 58 2.0	>44 to 50 3.0
100 00 00 110	>58 to 66 1.0	>50 to 58 2.0
	750 60 00 1.0	>58 to 66 1.0
		730 60 00 1.0
CHART 78(244 to 259)	CHART 78 (260 to 275)	CHART 78(276 to 291)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
	, and a second	
4 to 17 9.0	4 to 13 10.0	4 to 9 11.0
>17 to 21 8.0	>13 to 17 9.0	>9 to 13 10.0
>21 to 26 7.0	>17 to 21 8.0	>13 to 17 9.0
>26 to 32 6.0	>21 to 26 7.0	>17 to 21 8.0
>32 to 38 5.0	>26 to 32 6.0	>21 to 26 7.0
>38 to 44 4.0	>32 to 38 5.0	>26 to 32 6.0
>44 to 50 3.0	>38 to 44 4.0	>32 to 38 5.0
>50 to 58 2.0	>44 to 50 3.0	>38 to 44 4.0
>58 to 66 1.0	>50 to 58 2.0	>44 to 50 3.0
27 22 27	>58 to 66 1.0	>50 to 58 2.0
	20 00 11	>58 to 66 1.0
		30 00 00 110
CHART 78(292 or more)	CHART 79 (48 to 79)	CHART 79(80 to 111)
Max Pkg Ht TI	Max Pkg Ht TI	Max Pkg Ht TI
(Inches) Limit	(Inches) Limit	(Inches) Limit
4 to 5 12.0	4 to 67 1.0	4 to 59 2.0
>5 to 9 11.0		>59 to 67 1.0
>9 to 13 10.0		
>13 to 17 9.0		
>17 to 21 8.0		
>21 to 26 7.0		
>26 to 32 6.0		
>32 to 38 5.0		
>38 to 44 4.0		
>44 to 50 3.0		
>50 to 58 2.0		
>58 to 66 1.0		

79(112 to 135)	79	(112	to	1351
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79(276 to 291)

CHART 79(112	to 135)	CHART 79(136	to 159)	CHART 79(160	to 183)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
_(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
				(22.0.1.0.)	<u> </u>
4 to 51	3.0	4 to 45	4.0	4 to 39	5.0
>51 to 59	2.0	>45 to 51	3.0	>39 to 45	4.0
>59 to 67	1.0	>51 to 59	2.0	>45 to 51	3.0
		>59 to 67	1.0	>51 to 59	2.0
				>59 to 67	1.0
CHART 79(184	to 207)	CUNDO 70/200	t - 227)		
C1211(1 /) (104	207)	CHART 79 (208	to 227)	CHART 79 (228	to 243)
Max Pkg ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
					
4 to 33	6.0	4 to 27	7.0	4 to 22	8.0
>33 to 39	5.0	>27 to 33	6.0	>22 to 27	7.0
>39 to 45	4.0	>33 to 39	5.0	>27 to 33	6.0
>45 to 51	3.0	>39 to 4 5	4.0	>33 to 39	5.0
>51 to 59	2.0	>45 to 51	3.0	>39 to 45	4.0
>59 to 67	1.0	>51 to 59	2.0	>45 to 51	3.0
		>59 to 67	1.0	> 51 to 59	2.0
				>59 to 67	1.0
CHART 79(244	to 259)	CHART 79(260	to 275)	CHART 79(276	to 291)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
	_			· · · · · · · · · · · · · · · · · · ·	
4 to 18	9.0	4 to 14	10.0	4 to 10	11.0
>18 to 22	8.0	>14 to 18	9.0	>10 to 14	10.0
>22 to 27	7.0	>18 to 22	8.0	>14 to 18	9.0
>27 to 33	6.0	>22 to 27	7.0	>18 to 22	8.0
>33 to 39	5.0	>27 to 33	6.0	>22 to 27	7.0
>39 to 45	4.0	>33 to 39	5.0	>27 to 33	6.0
>45 to 51	3.0	>39 to 45	4.0	>33 to 39	5.0
>51 to 59	2.0	>45 to 51	3.0	>39 to 45	4.0
>59 to 67	1.0	>51 to 59	2.0	>45 to 51	3.0
		>59 to 67	1.0	>51 to 59	2.0
				>59 to 67	1.C

79(292 or more)		80(228 to 243)
CHART 79(292 or more)	CHART 80(48 to 79)	CHART 80(80 to 111)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 6 12.0 >6 to 10 11.0 >10 to 14 10.0 >14 to 18 9.0 >18 to 22 8.0 >22 to 27 7.0 >27 to 33 6.0 >33 to 39 5.0 >39 to 45 4.0 >45 to 51 3.0 >51 to 59 2.0 >59 to 67 1.0	4 to 68 1.0	4 to 60 2.0 >60 to 68 1.0
CHART 80(112 to 135)	CHART 80(136 to 159)	CHART 80(160 to 183)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0	4 to 46 4.0 >46 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0	4 to 40 5.0 >40 to 46 4.0 >46 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0
CHART 80(184 to 207)	CHART 80(208 to 227)	CHART 80(228 to 243)
Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit	Max Pkg Ht TI (Inches) Limit
4 to 34 6.0 >34 to 40 5.0 >40 to 46 4.0 >46 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0	4 to 28 7.0 >28 to 34 6.0 >34 to 40 5.0 >40 to 46 4.0 >46 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0	4 to 23 8.0 >23 to 28 7.0 >28 to 34 6.0 >34 to 40 5.0 >40 to 46 4.0 >46 to 52 3.0 >52 to 60 2.0 >60 to 68 1.0

80 (244 to 259))			81(160 to 3	183)
CHART 80 (244	to 259)	CHART 80 (260	to 275)	CHART 80 (276	to 291)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit
(21101100)		(21101107)			
4 to 19	9.0	4 to 15	10.0	4 to 11	11.0
>19 to 23	8.0	>15 to 19	9.0	>11 to 15	10.0
>23 to 28	7.0	>19 to 23	8.0	>15 to 19	9.0
>28 to 34	6.0	>23 to 28	7.0	>19 to 23	8.0
>34 to 40	5.0	>28 to 34	6.0	>23 to 28	7.0
>40 to 46	4.0	>34 to 40	5.0	>28 to 34	6.0
>46 to 52	3.0	>40 to 46	4.0	>34 to 40	5.0
>52 to 60	2.0	>46 to 52	3.0	>40 to 46	4.0
>60 to 68	1.0	>52 to 60	2.0	>46 to 52	3.0
		>60 to 68	1.0	>52 to 60	2.0
				>60 to 68	1.0
CHART 80 (292	or more)	CHART 81 (48	to 79)	CHART 81 (80 t	to 111)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	ΤI
(Inches)	Limit	(Inches)		(Inches)	Limit
					
4 to 7	12.0	4 to 69	1.0	4 to 61	2.0
>7 to 11	11.0			>61 to 69	1.0
>11 to 15	10.0				
>15 to 19	9.0				
>19 to 23	8.0				
>23 to 28	7.0				
>28 to 34	6.0				
>34 to 40	5.0				
>40 to 46	4.0				
>46 to 52	3.0				
>52 to 60	2.0				
>60 to 68	1.0				
CHART 81(112	to 135)	CHART 81(136	to 159)	CHART 81(160	to 183)
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI
(Inches)	Limit	(Inches)	<u>Limit</u>	(Inches)	Limit
					
4 tc 53	3.0	4 to 47	4.0	4 to 41	5.0
>53 to 61	2.0	>47 to 53	3.0	>41 to 47	4.0
>61 to 69	1.0	>53 to 61	2.0	>47 to 53	3.0
		> C3 += CC	3 0	E2 == 61	2 2

>61 to 69

1.0

>53 to 61

>61 to 69

2.0

1.0

81(184 to 207)			32(48 to 79)			
CHART 81(184 to 207)		CHART 81 (208	CHART 81 (208 to 227)		CHART 81 (228 to 243)	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI	
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit	
4 to 35	6.0	4 to 29	7.0	4 to 24	8.0	
>35 to 41	5.0	>29 to 35	6.0	>24 to 29	7.0	
>41 to 47	4.0	>35 to 41	5.0	>29 to 35	6.0	
>47 to 53	3.0	>41 to 47	4.0	>35 to 41	5.0	
>53 to 61	2.0	>47 to 53	3.0	>41 to 47	4.0	
>61 to 69	1.0	>53 to 61	2.0	>47 to 53	3.0	
		>61 to 69	1.0	>53 to 61	2.0	
				>61 to 69	1.0	
				7 01 20 03	110	
CHART 81 (244	to 259)	CHART 81 (260	to 275)	CHART 81(276	to 291)	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI	
(Inches)	Limit	(Inches)		(Inches)		
						
4 to 20	9.0	4 to 16	10.0	4 to 12	11.0	
>20 to 24	8.0	>16 to 20	9.0	>12 to 16	10.0	
>24 to 29	7.0	>20 to 24	8.0	>16 to 20	9.0	
>29 to 35	6.0	>24 to 29	7.0	>20 to 24	8.0	
>35 to 41	5.0	>29 to 35	6.0	>24 to 29	7.0	
>41 to 47	4.0	>35 to 41	5.0	>29 to 35	6.0	
>47 to 53	3.0	>41 to 47	4.0	>35 to 41	5.0	
>53 to 61	2.0	>47 to 53	3.0	>41 to 47	4.0	
>61 to 69	1.0	>53 to 61	2.0	>47 to 53	3.0	
02 00 03		>61 to 69	1.0	>53 to 61	2.0	
		7 02 00 03	2.0	>61 to 69	1.0	
				01 10 09	1.0	
CHART 81(292	to 307)	CHART 81 (308	or more)	CHART 82 (48	to 79)	
Max Pkg Ht	TI	Max Pkg Ht	TI	Max Pkg Ht	TI	
(Inches)	Limit	(Inches)	Limit	(Inches)	Limit	
						
4 to 8	12.0	4	13.0	4 to 70	1.0	
>8 to 12	11.0	>4 to 8	12.0		2.0	
>12 to 16	10.0	>8 to 12	11.0			
>16 to 20	9.0	>12 to 16	10.0			
>20 to 24	8.0	>16 to 20	9.0			
>24 to 29	7.0	>20 to 24	8.0			
>29 to 35	6.0	>24 to 29	7.0			
>35 to 41	5.0	>29 to 35	6.0			
>41 to 47	4.0	>35 to 41	5.0			
>47 to 53	3.0	>41 to 47	4.0			
>53 to 61	2.0	>47 to 53	3.0			
>61 to 69	1.0	>53 to 61	2.0			
		>61 to 69	1.0			
		. 02 00 05	1.0			

82(80 to 111)			82(260 to 275)
CHART 82(80 to]	.11) CHART 82(112	to 135) CI	HART 82(136 to 159)
-	Max Pkg Ht mit (Inches)	TI ! Limit	Max Pkg Ht TI (Inches) Limit
	2.0 4 to 54 >54 to 62 >62 to 70	1.0	4 to 18 4.0 >48 to 54 3.0 >54 to 62 2.0 >62 to 70 1.0
CHART 82(160 to	183) CHART 82(184	to 207) CI	HART 82(208 to 227)
_	Max Pkg Ht mit (Inches)	TI Limit	Max Pkg Ht TI (Inches) Limit
>42 to 48 4 >48 to 54 3 >54 to 62 2		4.0 3.0 2.0 1.0	4 to 30 7.0 30 to 36 6.0 36 to 42 5.0 42 to 48 4.0 48 to 54 3.0 54 to 62 2.0 62 to 70 1.0
CHART 82(228 to	243) CHART 82(244	to 259) C	HART 82(260 to 275)
	Max Pkg Ht imit (Inches)	TI ! Limit	Max Pkg Ht TI (Inches) Limit
>25 to 30 >30 to 36 >36 to 42 >42 to 48 >48 to 54 >54 to 62		7.0 6.0 5.0 4.0 3.0 2.0	4 to 17 10.0 >17 to 21 9.0 >21 to 25 8.0 >25 to 30 7.0 >30 to 36 6.0 >36 to 42 5.0 >42 to 48 4.0 >48 to 54 3.0 >54 to 62 2.0 >62 to 70 1.0

82(276 to 291) 82(308 or more)

CHART 82(276	to 291)	CHART 82(292	to 307)	CHART 82(308	or more)
Max Pkg Ht (Inches)	TI Limit	Max Pkg Ht (Inches)		Max Pkg Ht (Inches)	
4 to 13	11.0	4 to 9	12.0	4 to 5	13.0
>13 to 17	10.0	>9 to 13	11.0	>5 to 9	12.0
>17 to 21	9.0	>13 to 17	10.0	>9 to 13	11.0
>21 to 25	8.0	>17 to 21	9.0	>13 to 17	10.6
>25 to 30	7.0	21 to 25	8.0	>17 to 21	9.0
>30 to 36	6.0	>25 to 30	7.0	>21 to 25	8.0
>36 to 42	5.0	>30 to 36	٤.0	>25 to 30	7.0
>42 to 48	4.0	>36 to 42	5.0	>30 to 36	6.0
>48 to 54	3.0	>42 to 48	4.0	>36 to 42	5.0
>54 to 62	2.0	>48 to 54	3.0	>42 to 48	4.0
>62 to 70	1.0	>54 to 62	2.0	>48 to 54	3.0
		>62 to 70	1.0	>54 to 62	2.0
				>62 to 70	1.0