

Transportation Overpack/Cask Attributes

Vendor	System	Transport Cask	Weight Empty (pounds)	Weight Loaded (pounds)	Thermal Limit (kW)	Overall Length (in)	Overall Diameter (in)	Cavity Length (in)	Cavity Diameter (in)	Overall Wall Thickness (in)	Lid Thickness (in)	Bottom Thickness (in)	Cask Body Material	Impact Limiter Material	Transport License Number	Licensing Status	Quantity Fabricated	Impact Limiters Fabricated (Y/N)	Requires -96 Upgrade (Y/N)	GTCC Contents Authorized	
Canister Transportation Overpacks																					
EnergySolutions	FuelSolutions	TS125	160,786	242,831	Canister Dependent	210.40	94.20	193.00	67.00	13.60	6.00	11.25	Stainless Steel/Carbon Steel/Lead	Aluminum Honeycomb/Stainless Steel	71-9276	Active	0	N	Y	N	
Holtec	HI-STAR 100 HI-STORM 100 HI-STORM 100U	HI-STAR 100	153,710		Canister Dependent	203.10	96.00	191.10	68.80	13.60	6.00	12.00	Steel		71-9261	Active	7 (see Note1)	N	N		
	HI-STAR 100HB	HI-STAR 100HB	102,200	187,200	Canister Dependent	128.00	96.00	115.00	68.80	13.60	6.00	12.00	Steel		71-9261	Active	6 (see Note2)	N	N	N	
	HI-STAR 190, HI-STORM FW	HI-STAR 190 SL					106.5	190.19	76.00				Steel		71-9373	Pending	Not Applicable	Not Applicable	Not Applicable		
	HI-STORM UMAX	HI-STAR 190 XL	273,400	435,800			106.5	213.31	76.00				Steel		71-9373	Pending	Not Applicable	Not Applicable	Not Applicable		
NAC	NAC-MAGNASTOR	MAGNASTOR Transport Cask (MAGNATRAN)	205,000	320,000		236.00	110.00	192.50	72.25		7.75	13.65	Stainless Steel/Lead	Redwood and balsa wood	71-9356	Pending	Not Applicable	Not Applicable	Not Applicable		
	NAC-MPC	NAC-STC Transport Cask	175,970		Canister Dependent	193.00	99.00	165.00	71.00	14.00	14.25	13.65	Stainless Steel/Lead		71-9235	Active	See Note 3	N	N	Y	
	NAC-UMS	Universal Transport Cask	159,898		Canister Dependent	209.30	92.90	192.50	67.60		6.50	10.30	Stainless Steel/Lead	Redwood/Balsa/Stainless Steel	71-9270	Active	0	N	N	Y	
TransNuclear	Advanced NUHOMS	MP187	158,600		Canister Dependent	201.50	92.50	187.00	68.00		6.50	8.00	Stainless Steel/Lead	Stainless Steel/Polyurethane Foam/Aluminum Honeycomb	71-9255	Active	1	N	Y	N	
	Standardized NUHOMS	MP197	148,840	265,100	Canister Dependent	208.00	91.50	197.00	68.00		4.50	6.50	Stainless Steel/Lead	Stainless Steel/Balsa/Redwood	71-9302	Active	0	N	N		
	Advanced NUHOMS Standardized NUHOMS	MP197HB	154,000	267,390	Canister Dependent	210.25	97.50	199.25	68.00		4.50	6.50	Stainless Steel/Lead	Stainless Steel/Balsa/Redwood	71-9302	Active	0	N	N		
Non-Canistered Fuel Transportation Cask																					
Holtec		HI-STAR 180 Note 5	262,350	308,647	32.00	174.37	106.30	174.37	72.83				Steel	Aluminum Honeycomb/Stainless Steel	71-9325	Active					
		HI-STAR 60	142,350	164,000	10.50	158.94	75.75	158.94	42.52	11.10	9.92	8.07	Steel	Aluminum Honeycomb/Stainless Steel	71-9336	Active					
TransNuclear		TN-32	See Non-Canistered SNF Storage/Transport Cask Attributes																		
		TN-32A																			
		TN-32B																			
		TN-40														71-9313					
		TN-40HT																			
		TN-68														71-9293					

Notes:

1. These casks are in storage service at Dresden (four) and Hatch (three).
2. These casks are in storage service at Humbolt Bay. One of the six casks is used for storage of greater than Class C waste.
3. Several NAC-STC transport casks have been fabricated and are in transportation service outside the United States.
4. TN-40 transportation casks are authorized for transport of fuel currently in storage at the Prairie Island Nuclear Generating Plant and are not authorized for reuse after unloading. The TN-32B and TN-40HT do not currently have a transport Certificate Compliance. It is currently assumed the eventual transport Certificates of Compliance for the TN-32 (and its variants) and TN-40HT transportation casks will have similar restrictions.
5. The HI-STAR 180 also has a variant: the HI-STAR 180D.