

HDT SHADE FLY

Solutions for Energy Efficiency



HDT makes the most advanced expeditionary shelters that feature inherent energy efficient characteristics. The HDT Shade Fly provides an additional layer of solar protection reducing shelter interior temperatures, reducing temperature gradients, and lowering fuel consumption associated with environmental control. The HDT Shade Fly comes in three variants: Shade Fly Mesh, Shade Fly Mesh Camouflage or Shade Fly ULCANS.

The Shade Fly is modular and can be scaled to fit various shelter models. Shock-cord poles made of 7075 aluminum for strength, durability and crush-resistance support the Shade Fly fabric. Each section of the pole is no more than 63" (160 cm) for easy storage and transportation. The universal fly design easily fits over HDT AirBeam® or Base-X® shelters as well as hard shelters, vehicles, containers or areas to provide shade or act as a solar barrier.

Use of the Shade Fly with HDT Shelters has proved to reduce internal shelter temperatures 10 – 18°F (5.5 – 10°C), reducing the environmental control requirements and needed power supply. Thus, a smaller generator or renewable energy resource (such as the HDT Expeditionary Solar Power System) would provide sufficient power supply for small base camp operations. Using solar power establishes energy self-sufficiency. In moderate to hot conditions, the Shade Fly can either reduce ECU run times or decrease the number of required ECUs for the same level of comfort. In mild conditions, the shade fly would eliminate the need for an ECU.

KEY FEATURES

- Lowers shelter interior temperatures 10 – 18°F (5.5 – 10°C) on non-ECU cooled shelters
- Lowers temperature gradients up to 63% in non-ECU cooled shelters
- Reduces ECU run time 20% – 70% (depending on ambient temperature)
- ECU-cooled shelters are up to 10.8°F (6°C) cooler when using the Shade Fly
- Available now for most Base-X and AirBeam shelter models
- Extends shelter life
- Cost-effective way to reduce solar loading
- Lightweight, easy to install and affordable
- Shade Fly lays over shelter roof during setup to raise together



HDT SHADE FLY FOR BASE-X® AND AIRBEAM® SHELTERS SPECIFICATIONS

Ordering information	Fits Base-X 303	Fits Base-X 305	Fits Base-X 307	Fits AirBeam 2021	Fits AirBeam 2032	Fits Temper Vestibule
90% Mesh, Tan						
HDT part number	60303SF03TN	60305SF03TN	60307SF03TN	602021SF03TN	602032SF03TN	60TVSF03TN
NSN						
GSA						
90% Mesh, Olive Drab						
HDT part number	60303SF03OD	60305SF03OD	60307SF03OD	602021SF03OD	602032SF03OD	60TVSF03OD
NSN						
GSA						
Physical characteristics						
L x W x H	20' x 25' x 10' 6.1 x 7.6 x 3 m	20' x 35' x 10' 6.1 x 10.7 x 3 m	20' x 55' x 10' 6.1 x 16.8 x 3 m	22' x 40' x 10' 6.7 x 12.2 x 3 m	22' x 55' x 10' 6.7 x 16.8 x 3 m	6' x 10' x 10' 1.8 x 3 x 3 m
Package size	67" x 26" x 18" 170.2 x 66 x 45.7 cm	67" x 28" x 20" 170.2 x 71.1 x 50.8 cm	67" x 30" x 22" 170.2 x 76.2 x 50.8 cm	67" x 28" x 30" 170.2 x 71.1 x 76.2 cm	67" x 32" x 24" 170.2 x 81.3 x 61 cm	20" x 20" x 2" 50.8 x 50.8 x 5.1 cm
Weight	180 lbs 82 kg	204 lbs 93 kg	269 lbs 122 kg	218 lbs 99 kg	295 lbs 134 kg	15 lbs 7 kg
Set up						
Time	30 minutes	30 minutes	30 minutes	30 minutes	30 minutes	15 minutes
Personnel	4	6	8	4	6	2



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