

## DAT6000

FSI DAT Series Pneumatic Shelter - Approx. 20' W X 30' L X 9' H (6 M X 9 M X 2.7 M) - Shelter only, 600 sq. ft. (56 M2) 570 lbs. (259 Kg) Carton size approx. = 136 X 108 X 90 cm (54" L X 43" W X 36" H). 6 windows – three on each side, 3 skylights, 8 (eight) 17"/43 cm HVAC/clothes inlet/outlets with tie closures – 2 each per end/side, 16 metal stakes and 12 tie down ropes. Air volume approx. 300 cu. Ft; approx. 70 mph wind resistance; approx. roof load 2,600 lbs.



### FSI® DAT® SERIES PNEUMATIC SHELTER SYSTEMS GENERAL SPECIFICATIONS

**Frame / All Shower Pools:** Heavy Duty 1100 Dtex\* polyester coated w. plastomer on both sides, UV/Chemical resistant, quadruple overlapped and glued.

**Technical Data:** Air pressure internally once inflated = 4.3 psi (0.3 bar) USA Federal Standard FS # 191 5041/5102/5134/5970 and DIN EN ISO 2060/1409-2/2286-1 AND DIN 53354/53363/53357/53361 Test method structural test results.\* Total Weight (g/m2) – 1055 Thickness (mm) – 0.90 Cut strip tensile strength (lbs. /in.) – Warp = 440 - Weft = 380 Elongation (%) – Warp = 27 - Weft = 30 Tongue tear (lbs.) – Warp = 30– Weft = 35 Adhesion (lbs. /in.) – Warp = 21 – Weft = 21 Density = 28 X 26. Meets NFPA 701 and DIN4102-B1, M-2. \*Production lot runs can result in variances and all results are approx.

**Canopy:** Heavy duty 100% nylon twill (3/5) of approx. 145 gr/M2 (155 gr/sq. yd) with a PU white pigment inner coating of approx. 100 gr/M2 (106 gr/sq. yd). Approx. 0.23mm X 57/58. Total wt. approx. 245 gr/M2 + or - 5 % (approx. 205 gr/ sq. yd) - 7.23 ounces) - UV/chemical resistant/fire retardant – Rated Ultra Violet Protection (UPF) of 50+ where ASTM D6603 states a UPF of 40+ is rated Excellent; and water repellent w. a hydrostatic resistance of 250 psi + - Anti fungus/Mildew resistant to meet and exceed US Fed. Test MIL.STD.810E 508 and ASTM G 21-96 (2002); Water Resistance (ISO 811 (E) 1981, hydrostatic pressure test at water pressure 600 m/min. = 5540; Tensile Strength (ISO 13934-2: 1999 C.R.E. Method in N) - warp = 1300 - weft = 1500; Tear Strength (ISO 13937-1:2000, Pendulum method) - Warp = 25 Weft = 43; Burst Strength (ASTM 0 3787:2001, C.R.E. Ball bursting method N) = 1620; Seam Strength (ISO 13935-2: 1998, Grab method N) Sewing threads fail at 710; Fire resistance meets and exceeds CPAI 84 SECTION 5 1995, US Fed. Test CFR.1610, meets NFPA701 Flammability Test method 1 (2004), NFPA 702 w. 'A' burn scale rating, Japan JIS A 1322: 1966, Method A. All seams double stitched and coated both sides.

**Inner Canopy:** If applicable - of 100% NYLON 210T ANTRON W/R, POLYURETHANE COATED 57/58", Color: White - Flame Retardant to meet 'NFPA-701 TM-1', Anti-fungus/Anti-mildew, opaque

**Floor:** 1,000 dtex 0.70mm Nylon coated w. PU, tensile strength: 2545N/2360↑, Tear Strength: 106/102N↑, weight: 660 grams per sq. mm↑, 60" W. Meets NFPA 701 and Din 4102 – B 1, M.2



EVERY FSI DAT® SERIES INFLATABLE SHELTER UNIT\* NOW SUPPLIED WITH ONE P-EIDHD HEAVY DUTY ELECTRIC INFLATOR DEFLATOR, PER INFLATION SECTION, (all sizes of pneumatic shelters of 100 sq ft/10 M2 approx. or smaller receive a P-EID inflator/deflator). If a larger, faster inflator deflator is desired for the smallest showers/shelters simply so specify the P-EIDHD at time of order and allow for a price increase in your order. \*All sizes of pneumatic shelters also receive a corresponding qty. of high pressure compressed air fill hoses and universal SCBA adapter (P-SCBAF-H)

Standard color is 'FSI Blue®'. 'Army' Green, 'Red Cross' White, Military 'Tan/Sand', and Red also offered at no added charge. Other colors including jungle and desert camo colors avail at 15% upcharge/unit.



**FSI shelters help ensure compliance with the OSHA Heat illness requirement as described at:**

[https://www.osha.gov/OshDoc/data\\_Hurricane\\_Facts/heat\\_stress.pdf](https://www.osha.gov/OshDoc/data_Hurricane_Facts/heat_stress.pdf)

**FSI** NORTH AMERICA®  
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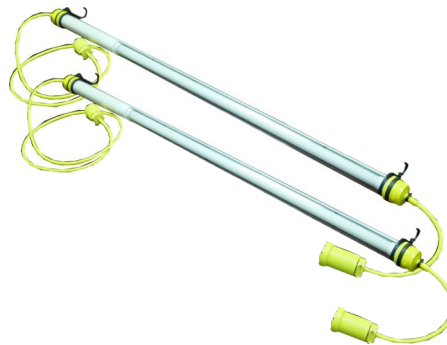


**LIGHTING OPTIONS**

**LED or 25 WATT FLOURESCENT STRINGABLE**



(2) F-SFLL-5M  
(2) F-SFLLPS-12V



(5) F-1225-0500-STL

**GROUND TARP**



(1) F-GS1 and  
(1) F-GS11



60,000 BTU 240V  
AIR CONDITIONER  
(1) F-DI-5.0SP208



OIL INDIRECT FIRED  
180,000 BTU AIR HEATER  
(1) F-HVF2101



AIR COOL/HEAT/UVGI  
FILTRATION  
(1) F-EMAT5T



DUAL HEAT/COOL  
(1) F-DI50HP0100CM



HEPA AIR CARBON FILTER UNIT  
(1) F-PASS1600-IU

