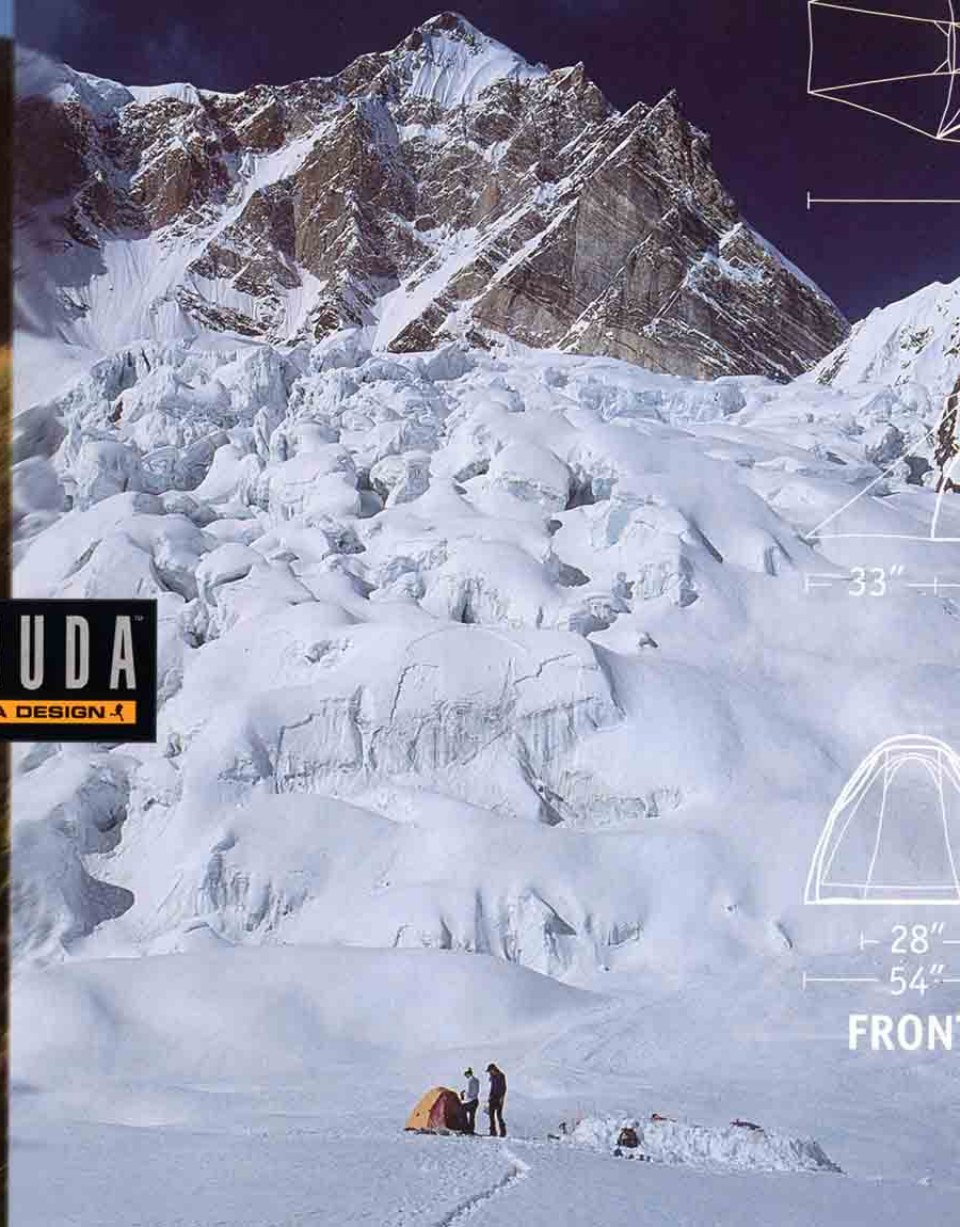




GARUDA
BY DANA DESIGN



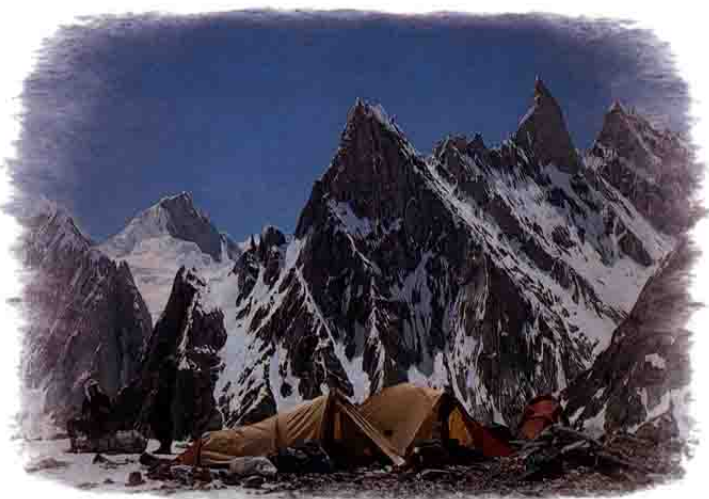
28"
54"
FRONT

YOUR BACKCOUNTRY SHELTER IN '97

We started Garuda six years ago with one primary objective – produce single-wall tents with maximum versatility. Having weathered decades of cumulative tent time, our original intention was to build high performance shelters unlike anything out there. For '97, you'll see we've expanded this mission to include double-wall tents that meet our exacting standards. Whether single or double-wall, we simply want to offer you superior shelter.

For wilderness & mountain travelers, our single-wall designs deliver maximum performance with architectural simplicity. By eliminating a separate rainfly, pole sleeves or clips, extra pole length and other unnecessary gook, we can offer markedly lighter tents. By incorporating *functional ventilation* into the overall architecture, our tents work well in diverse climatic conditions. Our asymmetrical designs provide greater strength with less weight & bulk and withstand the worst weather.

Garuda tents have become reputed among mountaineers and others who travel in harsh environments: brutal cold, gale-force winds, huge snowfalls, torrential rains. Our tents have been put to the test in Alaska, the Andes, the Alps and the Appalachian Trail. Throughout this book, you'll find comments, feedback and praise from real-world users.



'94 K2 Expedition. Steve Unteh

Though our roots are in building definitive single-wall tents for serious mountaineers, more and more folks are realizing our tents work well for a wide range of outdoor excursions. Recreational backpackers, paddlers, cyclists, travelers and others have found that our tents provide the stability, comfort, durability and light weight they need in a shelter. Whether your outings take you to sea level, timberline or to the top of the planet, Garuda builds a tent to suit your needs.

We've continued to develop our line of tents to meet the growing needs and uses of you – our customers. We're excited to offer 4 double-wall tents for 1997. Our new double-wall tents reflect the same innovative design elements which have set us apart from the crowd.

We're just now completing the move to our new shop in Bozeman, Montana. Our new base in the Northern Rockies puts us smack dab in the heart of Big Sky country and side by side with sister company, Dana Design (If you're serious about backpacks, you undoubtedly know Dana). Our two companies share the common goal of building the most innovative, highest quality outdoor gear. We feature premium materials, sophisticated design and meticulous attention to detail.

Hope you've got some ambitious backcountry adventures on your calendar. If your gear needs include a top-notch, versatile shelter, give this catalog a close read. We appreciate your interest in Garuda tents.

TEAM GARUDA



Pacific Northwest. Byron Shutz

WHY GARUDA?

So, you're asking yourself, "What makes Garuda Tents any different from all of the other tents out there?" Glad you asked; let's take a closer look.

Whether alpine climbing, sea kayaking, camping in the desert or backpacking on the Pacific Crest Trail, all place different performance needs on your shelter. Nevertheless, the core purpose of a tent is to protect you from the elements of nature - to keep you dry and out of direct exposure to wind, snow, rain, sun and insects. Simply stated—make the climate inside better than the one outside. Garuda Tents achieve these objectives (and then some) with design details you won't find elsewhere.



▲ Innovative Architecture

All of our tent designs evolve from sound architectural principals. Every feature and detail is built in as an architectural element, rather than "stuck on" as an after thought. Our holistic approach results in shelters that are both highly functional as well as bombproof. Further innovation comes in the form of asymmetrical design. **Asymmetry** creates inherent structural integrity and promotes flow through ventilation. While all Garuda tents have bi-lateral symmetry, they're asymmetrical end to end, offering the greatest advantages of strength, ventilation and space.

▲ Ventilation

Ventilation expands versatility. **Strategic Vents** facilitate two methods of **controlled ventilation**: active and passive. Vents are not only strategically placed, but well protected using structural supports to stay open under wind and snow loads. Our hood designs maximize airflow, minimize catching blowing rain or snow and are easily adjustable for changing weather conditions.



Peak Vent



Rear Cone



▲ Weatherproofness

Weatherproofness is the sum of both design and fabric choices. In our single wall canopies we incorporate **ByroTex**, a waterproof monolithic hydrophilic laminate (say that 3 times!). This fabric package, in conjunction with our innovative vented designs, allows functional dissipation of condensation through the fabric and the vents. Double wall models use polyurethane coated Full-Coverage **Rainflies** to fend off outside moisture. **Inverted zippers** are used on outside doors — this design sheds weather from vestibules. **Bathtub floors** with 1.25 oz/yd. Super-urethane polymer coatings maintain a dry floor with minimal weight. Bottom line — you stay dry.

▲ Ease of Use

All Garuda tents use a **three-point pitch**. With three main anchor points, set up is quick, while providing superior weather shedding stability. Though we design around three main anchor points, we encourage you to securely anchor "free standing" tents too, lest they blow away. Single-wall tents are erected from the inside, while double-wall tents feature exterior, continuous pole sleeves and **locking pole tips**.

▲ Livability

Usable interior space is maximized with modified rectangular floors and steep side walls. Protected doors, vents and windows maximize the tent's performance and comfort when you're forced to hunker-down in a storm. Generous vestibules provide a protected entry way, allowing you to take off your muddy boots without having your feet out in the rain.

▲ Structure

Highest quality **Easton 7075-T9** tent poles, chosen for their superior tensile strength and resilience, provide the framework for all Garuda tents. Good pole sets are enhanced by equally good shock cording. **SHOCKtechnology** assembles all Garuda pole sets using their proprietary shock cord — the finest available. Our shock cords remain flexible and elastic in a wide range of temperatures.

▲ Stability

Our integrated **structural vestibules** contribute to tent stability. With the rear cone anchored windward, the tapered canopies spill the wind, resist buffeting and actually increase in tautness as gusts force the tent down over its frame. If the day is really getting out of hand and you're experiencing worsening conditions, by just securing the two main side pullouts you can further stabilize the tent. For additional **stability** in severe weather, there are ample **additional tie-outs** and anchor points.

▲ Dependable

Our top-shelf materials and type-A attention to details and construction mean you can focus on your adventure, not your tent. Garuda Tents — your shelter from the storm.



Wind readily spills over asymmetrical canopy.

SINGLE-WALL TENTS

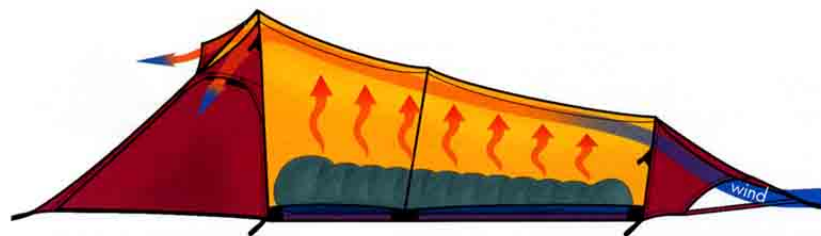
“The efficiency and strength of Garuda single-wall tents has generated an industry-wide move back to single-layer canopies.” BACKPACKER Gear Guide, (Mar. '96)

You might ask, “What’s all the hoopla about single wall tents?” or “Why have tent makers jumped all over single wall designs over the past few years?” Single wall designs have come into vogue because of their perceived “techi-ness”, but for us it boils down to few key factors that can greatly affect performance, comfort and protection in the field.

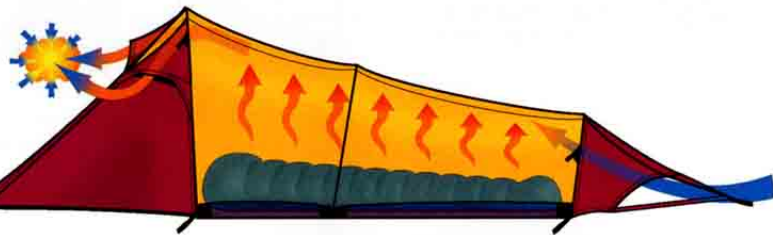
We’ve built our reputation on single-wall designs over the past 6 years. The major advantage of single-wall tents is their superior performance for their minimal weight. By using a single weatherproof canopy, our designs not only eliminate a separate rainfly, but are also considerably lighter. Garuda single-walls eliminate pole sleeves, minimize seams and pole length for the volume. The architecture of our single-wall tents maximize structural strength, with less fabric surface area. These designs are supported by shorter, stronger poles. With just three main anchor points, all of our tents set up quickly and disperse stress efficiently, without requiring additional guy points.

Condensation is always a hot topic with single-walls. First off, it’s a mistake to think single-walls are more prone to condensation than double-walls. Regardless, the amount of condensation generally depends on your ability to promote ventilation. Each Garuda tent is designed to manage condensation by maximizing ventilation through low and high vents in even the most raucous foul weather. We’re proud of the outstanding performance of our shelters and are confident you’ll appreciate the strength to weight to palatial ratio of our tents.

We recommend our single-wall designs for anyone intent on trimming the “flab” off their backcountry shelter, while extending performance. If you’re looking for maximum strength and stability with minimal heft, you’re looking in the right place. Though the advantages of our single-wall tents were first appreciated by serious, high altitude mountaineers, more & more backpackers and other wilderness travelers have come to appreciate the Garuda difference.



Active ventilation occurs when the rear of the tent faces into the wind, and the tension structure (cone or vestibule) acts as a cowl directing cool air through the interior of the tent. This cool air then carries relatively warmer moisture laden air out the high exhaust vents and away from the occupants dramatically reducing condensation on the interior of the tent.



In the event there’s no breeze or you’re unable to orient your tent with the rear into the wind, **Passive ventilation** is hard at work. (G.B. Venturi would be proud.) As the tent is warmed slightly by its occupants the air inside warms and collects moisture from your breath. As the warm moist air rises, it exits at the point of least resistance via the tent’s peak vents. This escaping air is replaced by outside air via the low vents at the opposite end of the tent creating a passive flow through ventilation.

Singlewall + Fourseason + Twoperson

KAJA

(Kah'.shuh) The North Wall of a temple built so it faces the mountains. *Indonesian*

4
Seasons



"...the Kaja is the best single-walled tent I've found for all-around alpine climbing and camping."

CLIMBING's Michael Kennedy on the Kaja, (Oct. '94)



120°

TOP



33°

87"

SIDE



44"

28"

47"

FRONT

REAR

Floor Area:

29.5 sq. ft.
(2.7 m²)

Vestibule Area:

9.0 sq. ft.

Min. Weight:

5 lb. 6 oz.
(2.42 kg)
*including tent, poles &
anchor webs*

Poles:

3

Packed Size:

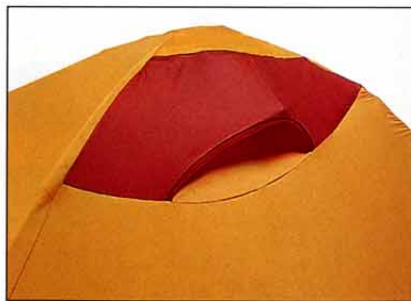
Tent: 11" x 8" x 4"
(28 x 20 x 10 cm)
Poles: 19" x 2" x 2"
(48 x 5 x 5 cm)

The Kaja has set the standard for light, full-featured mountaineering domes, since we introduced it four years ago. The Kaja efficiently combines light weight, ventilation, strength, dependability and easy pitching. Three intersecting poles create a stable, snow-shedding frame integrating a vestibule within the smallest overall footprint. The front pole provides maximum floor width and wall support in your shoulder area, and increases headroom near the door – where you need it most.

With only three stakes, you can secure the rear cone and integrated front vestibule to fully tension the entire canopy, greatly increasing the tent's structural integrity. Additionally, the zippered rear vent, two independent peak vents, and the high roof line work in conjunction with the vestibule to promote controlled airflow in any weather conditions. Three zipper pulls on the side-hung vestibule door allow versatile access, venting and a view out the steeply raked hood. In "blue bird" weather, the entire vestibule can be tied back to the door sides.

The Kaja has become something of a classic, two-person dome for mountaineers and is increasingly the choice of discerning backpackers.

Rear Cone



Peak Vent



"For really wicked winter conditions and where weight is more of a concern than interior room, the Garuda Kaja, the lightest, easiest to pitch, and most robust shelter, is champ." CLIMBING's Duane Raleigh on the Kaja, (Mar. '95)

Singlewall + Fourseason + Twoperson

TAMBU

(Tom.boo) The little elephant. Nepalese

4
Seasons



134"

TOP



32"

88"

61"

SIDE



32"

64"

FRONT

48"

64"

REAR

Floor Area:

35.0 sq. ft.
(3.2 m²)

Vestibule Area:

12.0 + 3.0 sq. ft.

Min. Weight:

7 lb. 4 oz.
(3.30 kg)

including tent, poles &
anchor webs

Poles:

5

Packed Size:

Tent: 12" x 8" x 5"
(30 x 20 x 12 cm)
Poles: 21" x 3" x 2"
(53 x 8 x 5 cm)

The Tambu is a compact, stout tent for two people and their gear, in any kind of weather. Though strong and stable enough for high mountain environments, it's also light enough to be a serious backpacker's favorite tent.

Four poles efficiently support the asymmetrical tent body over a fully usable rectangular floor. A fifth pole supports the full-size, triple-vented, front vestibule. The steeply angled rear tension cone forms a smaller vestibule covering the rear door. The rear vestibule/door vent and the side slit vents draw dry air into the tent. Humid inside air flows out through peak vents via the vestibule. The wide doors on either end, with No-See-Um netting windows, provide foul-weather access and great ventilation. The front vestibule's side-hung door features three zipper pulls to adapt venting, access and views. Six large netting pockets keep things organized and off the floor. Inspired by the larger Trikaya, the Tambu is a five-pole bomber tent, with full vestibules fore and aft.



"Ventilation is this tent's strongest suit. The Trikaya is studded with unique closable vents that allow moist air to escape, rather than condense on the walls ... An elaborate venting system kept condensation at bay, leaving our testers warm and dry during a stormy night ... the Trikaya is a complex, high-tech, high-performance unit." BACKPACKER on the Trikaya, (Oct. '95)

"Built in the bombproof tradition of Garuda tents, the Trikaya is a Spartan performance machine in fabric.. As a single-wall, three person tent, you would be hard pressed to find any tent stronger and lighter than this." COULOIR on the Trikaya, (Feb. '96)

Singlewall + Fourseason + Threeperson

TRIKAYA

(Tre.kai'.ya) Three essences of the body. Buddhist principal.

4
Seasons



125"

TOP



35"

89"

SIDE



36"

72"

FRONT

59"

72"

REAR

Floor Area:

42.0 sq. ft.
(3.8 m²)

Vestibule Area:

12.5 + 4.0 sq. ft.

Min. Weight:

8 lb. 8 oz.
(3.82 kg)

including tent, poles &
anchor webs

Poles:

5

Packed Size:

Tent: 14" x 12" x 5"
(36 x 30 x 13 cm)
Poles: 21" x 3" x 3"
(53 x 8 x 8 cm)

This rock-solid tent comfortably shelters three people and a myriad of gear. This is a great tent for expeditions in hostile environments, yet makes for a spacious base camp in friendlier surroundings.

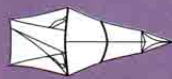
The rectangular floor maximizes interior space. A large front vestibule has three hooded vents and provides storm protection and lots of storage space. Its side-hung door features three zipper pulls to adapt venting, access and views. Mesh pockets around the inside keep small stuff accessible yet out of the way. The smaller rear vestibule covers the interior rear door and has an adjustable low vent to help draw fresh air into the tent.

The asymmetric design and five pole frame provides excellent structural stability and strength for shedding almost any combination of rain, snow and wind. The Trikaya may also be pitched for 3-season use with just four poles — ditch the rear pole at the trailhead and eliminate eight gravity-drawn ounces.

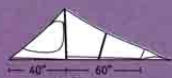


Singlewall + Fourseason + One person**ATMAN**

(Aht' .maun) The Buddhist principal of Soul.

4
Seasons

TOP



SIDE



FRONT

REAR

Floor Area:21.5 sq. ft.
(1.9 m²)**Vestibule Area:**

7.0 sq. ft.

Min. Weight:3 lb. 13 oz.
(1.72 kg)*Including tent, poles & anchor webs***Poles:**

2

Packed Size:Tent: 9" x 7" x 4"
(23 x 18 x 10 cm)
Poles: 18" x 2" x 1"
(46 x 5 x 3 cm)**Our four-season Atman incorporates maximum features and function in a solo tent.**

Fast & light alpinists and backpackers will appreciate the performance and clean design of this compact, featherweight shelter.

The Atman has an exterior vestibule area and protected inner door. A zippered rear vent under the tension cone allows dry air to enter low and exits through two peak vents. The center pole gives the steep walls added support creating a strong, snow-shedding canopy. The center pole may be left home to save 3.5 ounces when conditions are lighter-duty.

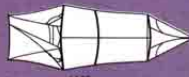
If you're often out in the unpredictable weather of the high-country or enjoy long travels through the outback, you'll appreciate this secure and practical shelter for the soloist.



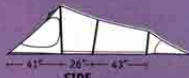
"Garuda Mountaineering is bringing about a resurgence in single-wall tents. Ventilation, wind-resistance and interior space are all superior...Like the rest of Garuda's designs, the Atman is light, compact, easily pitched and tough—features we get excited about while getting pounded on windy, 13,000 foot passes." BACKPACKER Editor's Choice on the Atman, (Apr. '94)

Singlewall + Fourseason + Two person**KUSALA**

(Koo.saul' .ah) The Buddhist principal for confidence.

4
Seasons

TOP



SIDE



FRONT

REAR

Floor Area:30.5 sq. ft.
(2.8 m²)**Vestibule Area:**

7.0 sq. ft.

Min. Weight:4 lb. 13 oz.
(2.16 kg)*Including tent, poles & anchor webs***Poles:**

3

Packed Size:Tent: 11" x 8" x 4"
(28 x 20 x 10 cm)
Poles: 18" x 2" x 2"
(46 x 5 x 5 cm)

An efficient four-season tent for all kinds of wild adventures. Modified-hoop poles at each end and a parabolic arch in the center provide a radically strong, stable, lightweight shelter. Whether you expect alpine or tropical conditions, our Kusala is the ticket.

An innovative vestibule sets the Kusala apart – no other two-person tent in its class so efficiently incorporates a covered entrance and a protected storage area. The vestibule door (shown rolled up to the pole) has three zipper sliders to adjust access and ventilation. The vent under the rear tension cone works together with three screened peak vents and the inner door to create an adjustable ventilation system. If you don't need the added canopy support for high winds or snow, the center pole can be left at home saving five ounces in weight.

The Kusala epitomizes Garuda design – it's a strong, versatile, light-and-tight two person tent, at under 5 pounds. Also ideal for a soloist wanting everything, including room to invite a partner/belay slave.

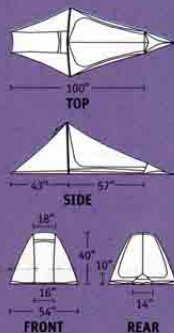
"The ventilation of this tent is so good it was downright uncanny. Whether it was 20 degrees or 80 degrees, I was comfortable. And condensation was simply not a consideration in this tent — there never was any. I could live in the Kusala. It is roomy and well constructed. I give it an A+!" (from a 65 day tour) Adventure Cyclist on the Kusala, (Jan. '96)



JALAN JALAN

Singlewall + Threeseason + Oneperson

(Juh.lôn) "Oh, going nowhere and everywhere; just out walking." Indonesian.



Floor Area:
22.5 sq. ft.
(2.1 m²)

Vestibule Area:
Awning

Min. Weight:
3 lb. 6 oz.
(1.52 kg)

including tent, poles & anchor webs

Poles:
1

Packed Size:
Tent: 9" x 7" x 3"
(23 x 18 x 8 cm)
Poles: 18" x 1" x 1"
(46 x 3 x 3 cm)

This solo three-season tent features a spacious design with reliable protection from the elements. The Jalan has two large, screened window canopies, which also serve as fully zippered doors. The peak vent exhausts warm air drawn under the door canopies when the tent is weather-proofed (picture shows canopy panels unzipped and rolled up to the center seam). Its simple wedge silhouette sheds wind, rain and snow.

If your travels take you solo to the lands of heat and humidity, the Jalan is hard to beat for versatility. It is large enough to accommodate a very friendly couple for super-light traveling.

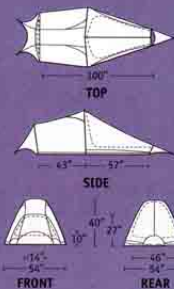
"When opened, the side panels can be staked out to form awnings, or rolled up and toggled along the ridgeline for maximum ventilation... I loved the doors and venting...Pitching was simple since we rarely used more than the three stake minimum." Backpacker's Steve Howe, (June 1993)



Singlewall + Threeseason + Twoperson

KAMET

(Kah.met) 7,775 meter peak bordering India and Tibet.



Floor Area:
28.5 sq. ft.
(2.6 m²)

Vestibule Area:
Awning

Min. Weight:
4 lb. 7 oz.
(1.99 kg)

including tent, poles & anchor webs

Poles:
2

Packed Size:
Tent: 10" x 8" x 3"
(25 x 20 x 8 cm)
Poles: 18" x 2" x 2"
(46 x 5 x 5 cm)

A light three-season tent featuring excellent fair weather ventilation. This airy tent has two large, screened window canopies, which are also the fully zippered doors. The two side peak vents exhaust warm air drawn in under the door canopies and front vent when the tent is weather-proofed (picture shows canopy panels unzipped and rolled up to the center seam).

Two doors make for easy access. The canopy doors can be rolled up and secured for unhampered ventilation and views. Each door can also be guyed out at a shallow angle to form a protective awning.

The front pole provides spacious headroom and forms a weather shedding canopy. A tension cone vent allows a wide view out the front and plenty of breeze above your heads.

The Kamet comfortably accommodates two people for super-light traveling in a wide range of climates.



SINGLE-WALL SCIENCE

To build the best tents possible, we focus on creating maximum symbiosis between design and materials. All the components that go into our single-wall tents are chosen for their overall benefits.

▲ Canopy

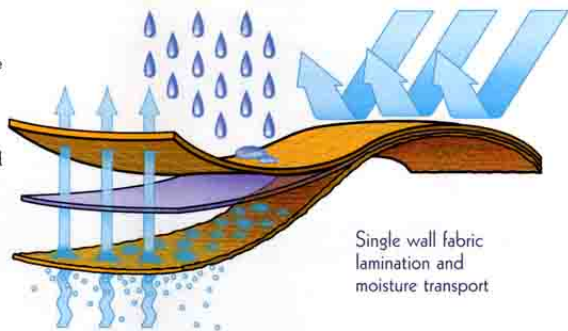
The Garuda advantage begins with our exclusive **ByroTex Fabric** developed specifically for us and used in all our single wall canopies. ByroTex is a strong, waterproof, windproof and stretch-resistant laminate, with a propensity for passing water in only one direction. Its water passing properties are not dependent on a “heat engine” to drive it. The performance of ByroTex is achieved through hydrophilic chemistry. Water-attracting hydrogen groups within the polymer chain of the laminate molecularly transport the moisture condensed on the interior surface to the exterior side. In English, you stay dry, comfortable and protected from the elements.

The laminate is constructed of three components: a high-count ripstop nylon with a Durable Water Repellent (DWR) finish, the hydrophilic breathable coating, and Nexus®. Nexus® is a fuzzy polyester layer on the interior that readily absorbs and distributes moisture. In conjunction, Nexus® and the breathable coating diffuse and wick condensation. ByroTex readily emphasizes reliable weather-proofness with a functional waterproof minimum rating of 70 pounds per square inch.

We opt out on traditional PTFE laminate canopies. PTFE (microporous) laminates are dependent on maintaining a significantly warmer interior temperature in order to activate “breathability” and to maintain waterproofness. Remember, it’s your sleeping bag’s job to trap warmth within, limiting the temperature you can achieve in your tent. Realistically, the large volume of air inside the tent can never be warmed adequately to take advantage of PTFE membrane breathability. The bottom line is synthetic textiles do not perform like living skin. Here at Garuda, we prioritize ventilation over the dependence on a canopy material to minimize potential interior condensation.

“The advantages of single-wall designs over the traditional canopy with a separate rainfly layer are considerable. So how can one layer give you all this protection? It is achieved through a high-tech laminate called ByroTex. This fabric is a hydrophilic polymer, 15 microns thick, laminated between ripstop and a polyester Nexus. The keyword is hydrophilic, which means that it transmits water through it by virtue of its own chemistry, without pores. As a result, its performance is not limited by clogged pores from dirt, and is less dependent on a temperature differential to work.”

Couloir, October 1994



Single wall fabric lamination and moisture transport

The center layer of the canopy laminate, the hydrophilic film (monolithic hydrophilic, co-polymer urethane-base with fire-retardant additive) physically transmits condensation moisture, not suspended water vapor. When inevitable condensation does occur, the moisture can be wicked through like a sponge. With microporous materials, condensation must first be re-vaporized before it can be forced through the material. Our laminate has a proven track record for performance and durability.

After evaluating the performance characteristics of polyester versus nylon substrates (the base material or exterior fabric), we’ve found nylon to be stronger, more durable, consistent in color retention and significantly more abrasion resistant over time. Though current polyesters don’t stretch as much when wet, they are more “brittle” and not as elastic or quiet as nylon.

Our canopy stretch is minimized by the high-count ripstop being directionally laminated to the Nexus. Although more expensive, high-count, high-tensile nylon still offers the best balance of characteristics for tents.

Our canopy color is Chamois Gold for an optimal balance of visibility while being relatively low-key. In rock & snow environments, when *finding* your tent is desirable, you’ll see the gold. When you want to blend unobtrusively in the woods, the chamois hues are subtle. Chamois Gold reflects more sunlight than it absorbs in a sunny environment, keeping the tent cooler and minimizing UV degradation, yet absorbs enough solar to dry quickly. An “elevating” color on dreary days, Chamois creates a pleasant, bright atmosphere inside the tent.

▲ Floor

Bathtub floors of polyurethane coated nylon taffeta augment all Garuda tents providing the most water resistance for their weight. 70 Denier 160 x 90 High-Count Nylon Taffeta coated with 1.25 oz./yd. treated with Durable Water-Repellent Silicone, ultra-violet prevention and fire retardant additives. Color: Eggplant - Dark for quick drying and excellent UV-resistance.

▲ Vestibules

Vestibules make life more comfortable providing extra living space, a second line of defense against nasty weather and, with Garuda tents, a structure for tensioning the pole frame against. Our vestibules are constructed with strong 70 denier high-tenacity type 6.6 nylon taffeta with an amazing coating — Amersil FR. Full-weight Amersil FR polyurethane coatings provide significantly greater initial tear strengths and maintain superior long term tear strengths. In addition, the resistance to UV penetration of this silicone coating allows it to be even less affected by weathering. This is why we apply the coating to the exterior; the taffeta stays stronger significantly longer. Color: Burgundy — Plays a functional role by creating heat sinks that warm dry air as it enters to rise up and out the vents; also a sublime visual accent.

Martin Leanaid



DOUBLE-WALL TENTS

Our double-wall tents incorporate many design elements proven in our single-walls. This new generation of double-walls has truly effective ventilation through shielded vents. Integrated structural vestibules and three-point anchors offer outstanding dependability. Our asymmetrical dome designs feature architectural simplicity with distinctive high peaks and low ends. You'll find:

- ▲ **More usable interior space with low weight and bulk.**
- ▲ **Architectural designs for superior stability in wind and snow.**
- ▲ **Storm protected adaptable ventilation.**
- ▲ **Effective condensation control under the rainfly.**
- ▲ **Easy three-point pitch maximizing strength.**

Garuda tents incorporate low and high vents to facilitate air-flow and minimize condensation. Low vents draw fresh air under the rain fly, and high vents allow humid air to escape, even in windless conditions. The frame further promotes ventilation with vents in the continuous pole sleeves. Our frames also minimize the trapping of condensation under the rainfly with a pole design that minimally interrupts condensation "driplines" to the ground.

Our four double-wall designs feature large integrated front vestibules and rear tension cone. These allow the two full size doors to provide protected foul-weather access and all-weather ventilation.

Three main anchor points allow a quick pitch, and promote consistent tension on the fly to provide superior weather shedding with drum-tight quietness. Additional anchor loops and bomber tie-downs secure the tents in very severe conditions. Continuous main pole sleeves make for a quick, no-brainer pitch.

Garuda double-walls offer more room and better ventilation with greater strength and lighter weight than conventional designs. Integrated ventilation and asymmetric architecture make these the most sophisticated double-wall designs available in '97.



Pattar Peak Vent



Pattar Rear Cone



Double Wall Active Ventilation



Double Wall Passive Ventilation

Doublewall + Fourseason + Twoperson**JANA** (Jah'nah)**Floor Area:**35.0 sq. ft.
(3.2 m²)**Vestibule Area:**

12.5 + 3.5 sq. ft.

Min. Weight:6 lb. 15 oz.
(3.09 kg)*including tent, poles &
anchor webs***Poles:**

3

Packed Size:Tent: 12" x 9" x 5"
(30 x 23 x 13 cm)
Poles: 21" x 3" x 2"
(53 x 8 x 5 cm)

This double-wall tent does double-duty in four-season environments. The Jana has generous space for two, and has vestibules with doors fore and aft. Got all of that?

Ventilation is effective in any weather via the rear door's low vent, interior canopy doors and the large hooded vestibule in front. The large front entry (shown zipped closed) has three zipper sliders for adjustability of door size and position. The pull-out panels on each side evenly tension the fly and simultaneously stabilize the main poles. Additional tie-outs and anchor loops are provided. The three-point pitch makes for a quick and easy set up.

The Jana shelters two people with ample room for gear. This versatile, spacious tent will adapt easily for backpacking, paddling trips or trekking in the mountains.

**Doublewall + Threeseason + Twoperson****TASIR** (Ta.seer')**Floor Area:**36.5 sq. ft.
(3.3 m²)**Vestibule Area:**

8.0 sq. ft.

Min. Weight:5 lb. 6 oz.
(2.43 kg)*including tent, poles &
anchor webs***Poles:**

2

Packed Size:Tent: 12" x 8" x 4"
(30 x 20 x 10 cm)
Poles: 21" x 2" x 2"
(53 x 5 x 5 cm)

This new three-season tent is made for traveling light. Modified-hoop poles at each end tension the sloped canopy. Two doors provide access and ventilation to the long, roomy interior.

An innovative vestibule sets the Tasir apart. The vestibule door has three zipper sliders for access and ventilation. The vent under the rear tension cone and high netting panels on either side and the protected inner doors create an effective active or passive ventilation system. Two peak vents on the rainfly exhaust moist air from under the fly. The Tasir offers great versatility and space in a lightweight hoop shelter.



Doublewall + Fourseason + Twoperson (plus)

PATTAR

(Pa.taar') Rock, Nepalese.



Floor Area:

37.1 sq. ft.
(3.4 m²)

Vestibule Area:

14.2 + 4.0 sq. ft.

Min. Weight:

8 lb. 6 oz.
(3.71 kg)

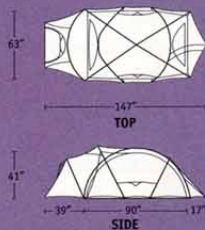
including tent, poles &
anchor webs

Poles:

5

Packed Size:

Tent: 12" x 10" x 5"
(30 x 25 x 13 cm)
Poles: 21" x 3" x 3"
(53 x 8 x 8 cm)



A solid, stable, two-person tent in any season, the Pattar makes a great base camp or portable shelter for backpackers, paddlers or ski tourers. This modified dome provides stellar strength and stormproofness in the severest conditions.

The Pattar pitches quickly and easily with continuous pole sleeves. A wide door at each end provides easy and convenient access through both vestibules. The front vestibule door (shown zipped shut) has three zipper sliders to adjust access and ventilation. The two interior doors, rear vent in the rainfly and three high vents promote outstanding ventilation. As on all our double-walls, rainfly tensioning straps are removable, interchangeable and field repairable.

For maximum dependability and the advantages of a large two-person double-wall design, our Pattar is the choice.



Pattar Rear Con



Doublewall + Fourseason + Threeperson

SAHTI

(Sa.Tee) 3-Friends, Nepalese.



Floor Area:

42.8 sq. ft.
(3.9 m²)

Vestibule Area:

17.2 + 5.0 sq. ft.

Min. Weight:

9 lb. 6 oz.
(4.16 kg)

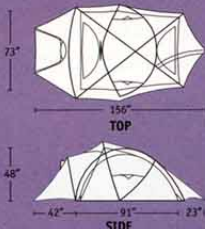
including tent, poles &
anchor webs

Poles:

5

Packed Size:

Tent: 14" x 12" x 5"
(36 x 30 x 13 cm)
Poles: 21" x 3" x 3"
(53 x 8 x 8 cm)



A LARGE four-season tent designed to fend-off all kinds of nasty weather. The Sahti is a comfortable, weather-proof shelter for those requiring generous room in a double-wall.

The vent under the rear tension cone coordinates with three peak vents and the protected inner door to create an adjustable ventilation system, whether the conditions outside are balmy or beastly. The vestibule door (shown zipped closed) has three zipper sliders to flexibly control access and ventilation. A fully tensioned fly attaches quickly and can be secured directly to the pole frame.

Asymmetric architecture provides great stability and easily sheds wind, rain and snow. With more than forty-two square feet, three people, a moderate sized dog and gear will be comfortably and securely sheltered.



DOUBLE-WALL SCIENCE

We've enhanced the functionality of double-wall tents by incorporating performance concepts proven in our single-walls. Garuda double-walls significantly advance performance and versatility beyond the status-quo. By integrating truly effective ventilation, top-shelf materials, functional features and phenomenal construction, we're able to offer a better mouse trap. Whether single or double wall, the best tents are still derived from optimal yin & yang of design and materials. Garuda double-walls – don't settle for less.

▲ Rain Fly

Garuda **Rain Flies** are the front line defense to keep you dry in any weather. Fly sheets are patterned around our stable three point pitch, which promotes consistent tension on the fly to provide superior weather shedding. We offer drum tightness without inordinate amounts of anchor points. Main coverage is provided by a 70 Denier 190 thread count nylon ripstop taffeta with 2000mm knife edge applied polyurethane coating, treated with DWR, UV and fire retardant. All forward vestibules and vents use a nylon taffeta with the same specifications as the ripstop. Both of these materials provide absolute waterproofness, while the construction seams are built to facilitate easy seam sealing.

▲ Canopy

The tent canopy provides structural integrity and wind resistance while maintaining a functional amount of moisture transfer. With these important duties in mind, we use an uncoated 70 Denier 210 thread count nylon ripstop taffeta with UV and fire retardant treatments. 20 denier nylon no-see-um-mesh provides both insect protection and adjustable ventilation. All high stress points on the tent are reinforced with 210 Denier 190 thread count nylon oxford with 1500 mm polyurethane coating with fire retardant treatments.

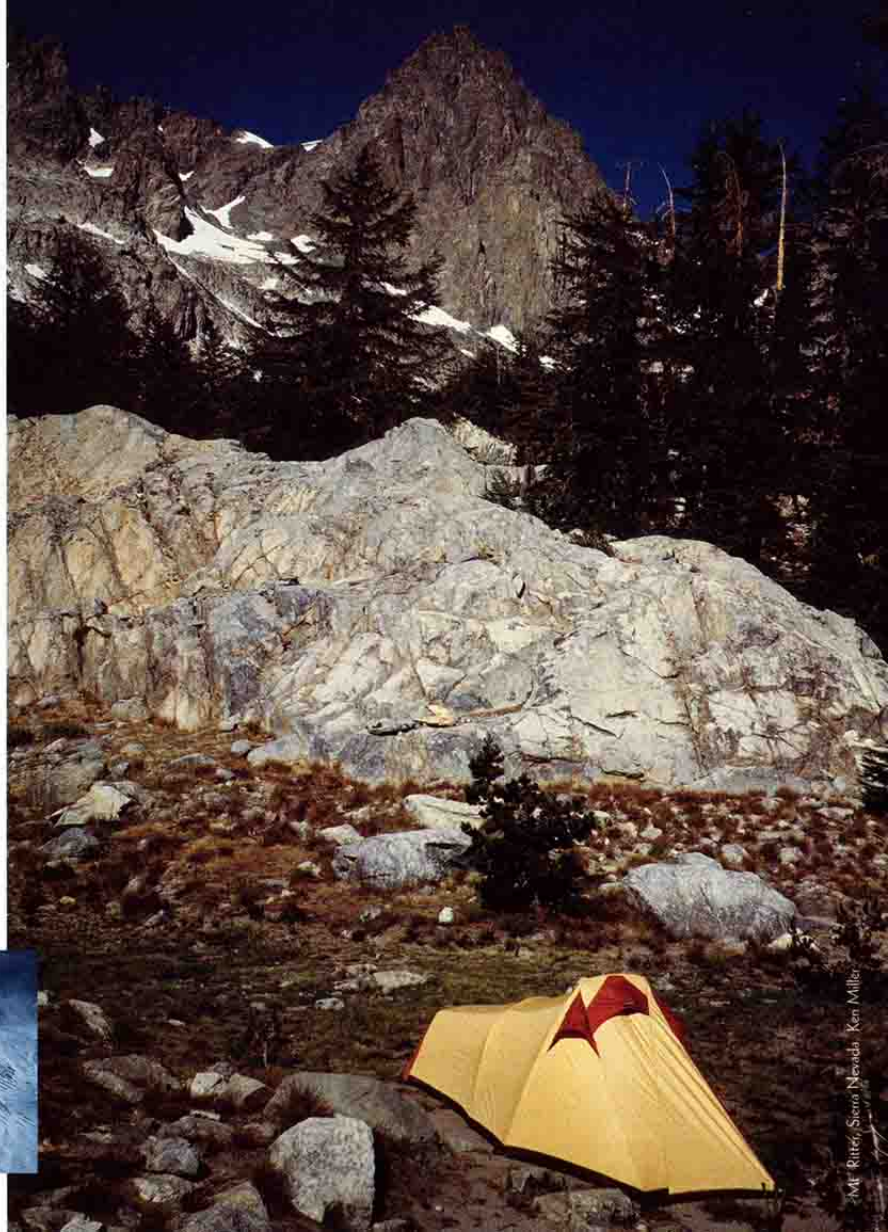
▲ Floor

Our bathtub floors are a durable and waterproof 70 Denier 160 x 90 high-count nylon taffeta coated with 1.25 oz./yd. treated with DWR silicone, ultra-violet inhibitors and fire retardant additives. All tents with floors less than 60 inches of width are fully seamless. Larger models with floors that exceeds 60" are built with an easily sealed single seam under the center. Color: Eggplant - dark for quick drying and excellent UV-resistance.

Garuda Double-Walls – Simply Better.



Peter Cole



Mt. Ritter, Sierra Nevada, Ken Miller

TECHNO BABBLE



Our tent making methods involve microscopic attention to details and require considerable time. To insure premium quality and unprecedented performance, we've developed our own construction techniques that optimize the characteristics of our fabrics and designs.

▲ Look for these innovative, defining features in all Garuda tents:

- Precise catenary cuts provide for ideal canopy tension .
- Tie-outs and pull-outs are oxford nylon and pull from large areas of seam via tension wings. They're black for UV resistance and quick drying.
- All tents less than 60" in width feature seamless floors to maximize weatherproofness and minimize weight; larger models have a single, easily sealed seam under the center. All floors are "bathtub" construction for best waterproof performance.
- All stake-loops are reinforced with waterproof nylon oxford or nylon packcloth.
- Tent anchor systems employ an elastic tensioning anchor to draw and keep the tent tight against other static anchors.
- Delrin rod ends are cold-cut then flame melted to round the tip, and the ends of the rod's tape-sleeves are reinforced with oxford nylon.
- All linear material (webbing, tape & twill) is computer hot cut to insure correct length and prevent fraying of the ends. Wherever possible, anchor webbing loops are box stitched rather than bartacked to better distribute tension.
- Hook and loop pole retainers are cut extra long, with over-width hook tape to ease setup and takedown.

▲ Seam Construction and Thread

Stout materials require stout construction. Oversize #46 bonded nylon thread and lock stitch sewing are used throughout Garuda Tents. Our nylon thread is stronger than standard polyester and will not rot. Bias-tape is used to eliminate thread wear and seam stretch. For enduring strength, we spec three rows of stitching. To better distribute tension, anchor webbing loops are box-stitched rather than bartacked. We've never had a seam fail in even the most brutal expedition use...NEVER.

▲ Seam Sealing

Each Garuda tent comes with SeamGrip Sealant and a Monoject syringe for precise application. SeamGrip effectively seals out moisture for stormproof performance; a well applied coat will last many years. Garuda does not factory seal-tape tent seams for the following reasons:

- Hot taping seams is a precarious process that dictates how the tent is constructed. Seams and intersections need to be rigidly designed for access by the taping machine. Frankly, we'd rather have tent performance dictate design, not seam taping convenience.
- Sealing the interior does not prevent water from coming into the seam itself - water may be channeled to a weak point where leakage occurs.
- It's an expensive process and, in our opinion, costs more than the added value. In fact, to insure actual waterproofness, most manufacturers of factory-taped tents recommend that the exterior of the tent still be sealed by the tent owner. What's up with that?

▲ Pole Sets

All of our pole sets are hand assembled and corded by SHOKtechnology, world renowned tent pole gurus. Utilizing the finest Easton aluminum pole sections and advanced shock cord, look for pole sets that live up to the overall Garuda quality standard.

We use only Easton 7075-T9 anodized aluminum poles, in .340", .355", .380", and .433" diameters. The larger diameter poles provide superior stiffness and strength in some tents main pole. We also feature Easton Arch Connectors. All pole sets are assembled with SHOKtechnology SHOKcord, recognized as the most resilient and durable cord for all conditions. Don't underestimate the importance of high-quality shock cord in sub-freezing conditions.

Poles are pre-bent where necessary to distribute stress under snow or wind loads, and shock-corded to fold up to less than 18" or 21" in length. Several of our tents feature color-coded pole sets for no-brainer pitching.

▲ Niceties

- **Owners Manual and Tent Use and Care Manual:** detailed information on use, care and seam sealing.
- **Guy Cord:** we've provided our favorite — high visibility gold with a reflective strand.
- **TentSack:** rectangular-bottom sack with drawcord and grab handle; two sizes, both oversized
- **PoleSack:** tube-sack with separate pole and stake pockets, with cinch cord & toggle.
- **Easton Aluminum 8" Monster Stakes:** light, strong, corded tubular stake for 3 main anchors.
- **Peg Stakes:** aluminum wire stakes for extra tie-downs in severe weather.
- **Bias-Tape Zipper Pulls:** for zipper sliders, with several longer ones for the primary zipper pulls
- **Elastic Anchor Cords:** for constant canopy tension (on the Kusala, Atman, Kamet, Jalan & Tasir).
- **SeamGrip®:** the most durable, flexible, waterproof seam sealer available; lasts many times longer; helps prevent UV degradation to thread, strengthens seams and resists abrasion.
- **Monoject® Syringe:** for precise and efficient application of SeamGrip sealant.
- **Repair Kit:**
 - **Pole Repair Tube:** Easton aluminum 'pole sleeve' for emergency field repair.
 - **Fabric Repair Swatches:** one swatch of each main fabric for repairs in the field; (for temporary emergency repairs, you may also need a self-adhesive repair tape). If repair needed is bigger than these patches, we would like to repair it in our shop so that we can insure it's done properly.

Garuda and ByroTex are trademarks of Garuda Mountaineering. Nexus is a registered trademark of Precision Fabrics Group, Inc. Easton is a registered trademark of Easton Aluminum Company. SHOKtechnology and SHOKcord are trademarks of the Frank Tehan Corporation. SeamGrip is a registered trademark of McNett Corporation. YKK is a trademark of YKK, Inc. Delrin is a registered trademark of E.I. DuPont. Posigrp is a trademark of Duraflex. Monoject is a registered trademark of Sherwood Medical.

TENT SPECIFICATIONS

		Tent Name	Capacity	Floor Area (ft ² /m ²)	Vestibule Area (ft ²)	Max. Interior Height (in./cm)	Max. Interior Length (in./cm)	Max. Interior Width (in./cm)	No. of Easton Pole Sets	Easton Pole Diameters	Joists	Low/High Storm Vents	Total Anchor Loops	Storm Tie-Downs	Tent Body Wt.	Rainfly Wt.	Pole Sets Wt.	AVE. MINIMUM WEIGHT	Tent & Pole/Slake Sacks Wt.	Easton & Peg Stakes Wt.	Other Accessories Wt.	AVE. PACKAGED WT.	Packet Size: Tent (in./cm)	Packet Size: Poles (in./cm)
Single-Wall Tents	4-Season	Kaja	2	29.5/2.7	9.0	44/112	88/224	54/137	3	.340	1 1/3	7 6	4 lb. 0 oz.	--	1 lb. 6 oz.	5 lb. 6 oz. 2.42 kg	3.0 oz.	5.0 oz.	6.5 oz.	6 lb. 5 oz. 2.84 kg	11 x 8 x 4 28 x 20 x 10	19 x 2 x 2 48 x 5 x 5		
		Tambu	2	35.0/3.2	12.0 +3.0	42/107	86/219	64/163	5	.380 /.340	2 3/3	9 12	5 lb. 2 oz.	--	2 lb. 2 oz.	7 lb. 4 oz. 3.30 kg	3.5 oz.	5.0 oz.	6.5 oz.	8 lb. 1 oz. 3.63 kg	12 x 8 x 5 30 x 20 x 13	21 x 3 x 2 53 x 8 x 5		
		Trikaya	3	42.0/3.8	12.5 +4.0	48/122	89/226	72/183	5	.380 /.340	2 3/3	9 12	6 lb. 2 oz.	--	2 lb. 6 oz.	8 lb. 8 oz. 3.82 kg	3.5 oz.	5.0 oz.	6.5 oz.	9 lb. 8 oz. 4.28 kg	14 x 12 x 5 36 x 30 x 13	21 x 3 x 3 53 x 8 x 8		
		Atman	1	21.5/1.9	7.0	40/102	100/254	54/137	2	.355 /.340	1 1/2	7 2	3 lb. 3 oz.	--	10 oz.	3 lb. 13 oz. 1.72 kg	3.0 oz.	4.0 oz.	6.5 oz.	4 lb. 11 oz. 2.11 kg	9 x 7 x 4 23 x 18 x 10	18 x 2 x 1 46 x 5 x 3		
		Kusala	2	30.5/2.8	7.0	40/102	110/280	54/137	3	.355 /.340	1 1/3	7 4	3 lb. 15 oz.	--	14 oz.	4 lb. 13 oz. 2.16 kg	3.0 oz.	4.0 oz.	6.5 oz.	5 lb. 11 oz. 2.56 kg	11 x 8 x 4 28 x 20 x 10	18 x 2 x 2 46 x 5 x 5		
3-Season	Jalan Jalan	1	22.5/2.1	Awning	40/102	100/254	54/137	1	.355	2 3/1	7 2	2 lb. 15 oz.	--	6 oz.	3 lb. 6 oz. 1.52 kg	3.0 oz.	4.0 oz.	6.5 oz.	4 lb. 10 oz. 2.08 kg	9 x 7 x 3 23 x 18 x 8	18 x 1 x 1 46 x 3 x 3			
	Kamel	2	28.5/2.6	Awning	40/102	100/254	54/137	2	.355	2 4/2	9 4	3 lb. 12 oz.	--	11 oz.	4 lb. 7 oz. 1.99 kg	3.0 oz.	4.0 oz.	6.5 oz.	5 lb. 9 oz. 2.50 kg	10 x 8 x 3 25 x 20 x 8	18 x 2 x 2 46 x 5 x 5			
Double-Wall Tents	4-Season	Jana	2	35.0/3.2	12.5 +3.5	41/104	91/231	61/155	3	.355	2 1/3	11 8	3 lb. 8 oz.	1 lb. 9 oz.	1 lb. 14 oz.	6 lb. 15 oz. 3.09 kg	3.5 oz.	5.0 oz.	5.0 oz.	7 lb. 12 oz. 3.49 kg	12 x 9 x 5 30 x 23 x 13	21 x 3 x 2 53 x 8 x 5		
		Pattar	2+	37.1/3.4	14.2 +4.0	41/104	90/229	63/160	5	.355	2 1/3	11 12	4 lb. 0 oz.	1 lb. 15 oz.	2 lb. 7 oz.	8 lb. 6 oz. 3.71 kg	3.5 oz.	5.0 oz.	5.0 oz.	9 lb. 2 oz. 4.11 kg	12 x 10 x 5 30 x 25 x 13	21 x 3 x 3 53 x 8 x 8		
		Sahti	3	42.8/3.9	17.2 +5.0	48/122	90/229	73/185	5	.380 /.355	2 1/3	9 12	4 lb. 6 oz.	2 lb. 7 oz.	2 lb. 9 oz.	9 lb. 6 oz. 4.16 kg	3.5 oz.	5.0 oz.	5.0 oz.	10 lb. 2 oz. 4.56 kg	14 x 12 x 5 36 x 30 x 13	21 x 3 x 3 53 x 8 x 8		
		Tasir	2	36.5/3.3	8.0	44/112	134/340	54/137	2	.355	2 2/2	6 10	3 lb. 4 oz.	1 lb. 6 oz.	12 oz.	5 lb. 6 oz. 2.43 kg	3.5 oz.	5.0 oz.	5.0 oz.	6 lb. 4 oz. 2.83 kg	12 x 8 x 4 30 x 20 x 10	21 x 2 x 2 53 x 5 x 5		

Tip: We've been diligent in generating our tent specifications. Nevertheless, when "shopping" for tents or other outdoor gear, we encourage you to break out your scale and tape measure if you want the real skinny. Not to suggest that anyone would do anything less than honorable in their stated specs...we just want you to avoid any hyperbolic pitfalls.

Front Cover: Yin & Yang Uses. Martin Leanard (L), Peter Cole (R)

Back Cover: Patagonian Yard Sale. Jim Donini

¹ Other Accessories include Tent Manual, Use & Care Manual, zipper pull tapes, guy cords, pole repair tube, fabric repair swatches, SeamGrip™ tubes, and Monoject™ syringe(s).

GARUDA'S IRONCLAD WARRANTY

We build Garuda Tents to the highest standards of craftsmanship. All our tents are fully warranted against defects in workmanship and materials. In the unlikely event of a warranty problem with one of our products, we're going to make things right. We'll repair or replace the product at our option. Repairs due to accident, negligence or normal wear will be performed at a reasonable charge. If you do need to return an item, call us first for a Return Authorization. Here at Garuda we stand behind every product we sell, period.

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