

# Heated socks



	Alpenheat Fire Wool Sock (AJ27)	Seger Heat Seger Heat Mid	Hottronic Heat socks XLP 1P Surround Comfort	Zalea Driven by Heat	Avignon 1416 Heat Surround Toe	Therm-1c Therm-1C Set Ultra Warm Comfort Socks	Lenz Heat Sock 4.1 Toe Cap	INF INF Batteri- uppvärmda Strumpor	
Price in Euros (including battery)	177	266	239	71	195	310	228	44	
Consumer contact	alpenheat.com	seger.se	bootdoc-hottronic.com	cdon.se	avignon.se	scantrade.se	lenzproducts.com	elgiganten.se	
<b>PRODUCT INFO</b>									
Battery capacity (declared)	Ah	2,6	3,0	2,2	4,0	3,5	2,8	2,2	
Charging via USB/wall adapter included		Yes/ Yes	Yes/ No	Yes/ Yes	Yes/ No	Yes/ Yes	Yes/ No	Yes/ No	
Audio signal or vibration when the battery is low/automatic shutdown		No/ No	Short vibration/ No	No/ No	No/ No	No/ No	No/ No	No/ After 60 min	
Number of heat settings/can be controlled via mobile app		3 /No	4/ Yes	4/ No	3/ No	3/ No	3/ Yes	3/ No	
Material in the sock, according to manufacturer's information		22% merino wool, 19% nylon, 33% acrylic, 8% elastane, 8% elastic (10% copper wire)	66% polyamide, 28% merino wool, 3% elastane (3% conductive material)	74% nylon, 20% lycra (elastane), 6% merino	Cotton, polyester	35% wool, 40% acrylic, 10% nylon, 5% lycra (elastane)	50% merino wool, 48% polyamide, 2% elastane	50% polyester, 33% nylon, 10% wool, 7% elastane	Cotton, spandex
Care instructions (do not tumble dry)		Delicate wash	30°C	30°C	Hand wash	30°C	30°C	30°C	Hand wash
Placement of the heating coil		Heating coil covering the entire top of the forefoot as well as over and under the toes.	Two parallel heating coils along the top of the foot extending to the toes.	Heating coil under the foot extending to and over the toes.	Heating coil centered on the sole of the foot.	Heating coil covering the front part of the foot as well as over and under the toes.	Heating coil along the outside of the foot extending to and over	Heating coil centered on the top of the foot as well as over and under the toes.	Heating coil covering the majority of the foot.
<b>MEASUREMENTS AND RESULTS FROM THE LABORATORY TEST</b>									
Max temperature measured on the sock at maximum power	°C	45	51	41	32	29	69	47	20
Temp. drop in foot after 60 minutes at -10°C (at medium-high power)	°C	-13,2	-13,0	-11,9	-14,8	-12,2	-16,7	-18,9	-20,3
Breathability	mg/cm2/h	13,86	11,57	17,23	14,85	12,51	11,20	10,95	13,06
Compression around the lower leg (circumference 23 cm/36 cm)	mmHg	11,5/ 21,7	8,3/ 11,3	8,7/ 33,3	10,2/ 7,5	4,8/ 9,1	10,5/ 16,0	12,0/ 16,0	14,6/ 4,7
Impact of washing at 30°C (in laundry bag)		None	None	Fabric pilling	None	None	None	None	None
Wear after 30,000 revolutions on heel and metatarsal		Medium	Small	Large	Large	Medium	Medium	Medium	Large
Battery capacity at medium-high power	h:min	07:30	5:30	06:15	08:30	04:15	04:25	06:32	06:15
<b>TEST RESULT RATING 1-10, WHERE 10 IS BEST (WEIGHT OF TOTAL SCORE IN PARENTHESES)</b>									
Heat capacity	40 %	9,3	9,4	10,0	8,2	9,6	7,3	5,5	5,0
Battery capacity	20 %	8,8	6,5	7,4	10,0	5,0	5,0	7,6	7,3
Quality & durability	25 %	7,8	9,3	5,6	6,3	7,8	7,8	7,8	6,3
Breathability	10 %	8,4	7,3	10,0	8,9	7,7	7,1	7,0	8,0
Compression	5 %	8,0	6,1	8,5	6,2	5,0	7,1	7,5	7,0
<b>TOTAL SCORE</b>		<b>8,7</b>	<b>8,4</b>	<b>8,3</b>	<b>8,0</b>	<b>7,8</b>	<b>6,9</b>	<b>6,7</b>	<b>6,2</b>
Comment		Best in test.	Holds heat well & very durable. Does not give much compression.	Holds heat well and provides good compression but lower quality and durability.	Good battery capacity. Does not provide much compression and not very durable against wear.	Holds heat well and is durable but has lower battery capacity. Poor compression.	Durable against wear. Lower battery capacity and can become very hot at maximum power (risk of burns).	Does not hold heat well but is durable against wear. Provides good compression.	Does not hold heat well and not very durable against wear.