

SJ45/60 AJHE+ HYBRID ELECTRIC ARTICULATING BOOMS



STANDARD FEATURES

23A automatic battery charger with battery condition indicator

SJ60 AJHE+

- 415 Ah AGM batteries
- Integrated electric traction motor brake
- Low battery warning indicator light
- SMARTORQUE™ Kubota D902 Stage V diesel engine
- EASYDRIVE™ Direction sensing drive and steer controls
- SKYRISER™ True vertical rise
- AXLDRIVE[™] Axle-based 4WD system
- SKYCODED[™]control system
- E-boom ECOSTART(Stop-Start system)
- Operator controlled locking rear differential and limited slip front differential
- Oscillating steer axle
- Drivable at full height
- 45% Gradeability
- Non-marking tyres
- Swing up cowlings for easy access
- Proportional controls
- Up to 454 kg capacities
- Bolt-in platform railings
- Lanyard attachment points
- Dual-entry sliding mid rails (SJ45 AJE+) Tri-entry sliding mid rails (SJ60 AJE+)
- Secondary Guarding Electrical (SGE)
- Overload sensing system
- Wiring for AC outlet on platform
- Tilt alarm (5.0° x 5.0°) with drive and lift cut-out
- Single point emergency lowering
- 355° Non-continuous turret rotation
- Tie down/lifting lugs
- Hourmeter
- Operator horn
- Lockable power disconnect switch
- All motion audible alarm
- White noise alarm
- 3.5kw generator

AS 03/2025



Preliminary specifications at time of printing. † Standard lead times may be increased when optional equipment is added, consult factory ‡ Capacities and machine weights may differ when options are added.

P	16% weight reduction62% less fuel*
	 Reduced emissions
۵.	 3% reduction in engine noise (excl. alarms)White noise alarm
9	 85% recyclable (by weight)
<i>ି</i> କ୍କୁ	 E-boom ECOSTART (Stop-Start system) HVO compatible Bio-degradeable hydraulic oil – optional
	 Telematics – Remote diagnostics reduces site visits (operational carbon foot print)

*Compared to SJ63 AJ Stage IIIB

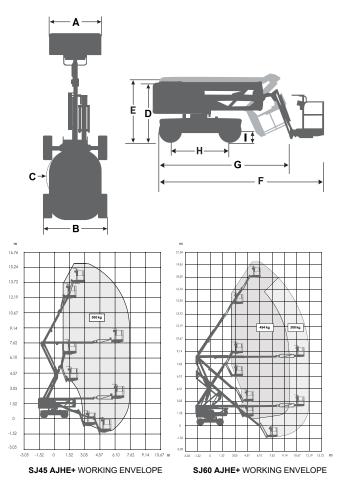


SJ45/60 AJHE+ HYBRID ELECTRIC ARTICULATING BOOMS

DimensionsSJ45 AJHE+SJ60 AJHE+Work Height15.72 m20.29 mPlatform Height13.72 m18.29 mHorizontal Reach6.93 m11.56 mHorizontal Work Reach7.53 m12.16 mUp and Over Height7.45 m8.31 mA Platform Size0.76 x 1.83 m0.91 x 2.44 mB Stowed Width2.29 m2.44 mC Tailswing0.61 m0.61 mD Stowed Height2.06 m2.54 mE Transportation Height2.07 m8.59 mG Transportation Length6.00 m8.59 mG Transportation Length0.33 m0.33 mSpecificationsSJ45 AJHE+SJ60 AJHE+I Ground Clearance0.39 m0.33 mSpecifications1.40 m1.52 mJib Length1.40 m1.52 mJib Range +/-1.40 m1.52 mYuning Radius (Inside)1.50 m2.21 mTurning Radius (Inside)1.50 m2.21 mTurning Radius (Inside)1.50 m2.21 mNuke Oscillation1.270 cm10.16 cmTrive Speed (High speed)3.00 kg300/454 kgMaximun Wind Rating22/3Yure Size101 x 3114 x 610Tyre SizeNM SoidXH Foam-FilledFateriesA15 x110 x 31Hydraulic Reservoir91 L115 L			
Platform Height13.72 m18.29 mHorizontal Reach6.93 m11.56 mHorizontal Work Reach7.53 m12.16 mUp and Over Height7.45 m8.31 mA Platform Size0.76 x 1.83 m0.91 x 2.44 mB Stowed Width2.29 m2.44 mC Tailswing0.61 m0.61 mD Stowed Height2.06 m2.54 mE Transportation Height2.01 m3.59 mG Transportation Length6.00 m8.59 mG Transportation Length0.33 m0.33 mSpecifications3.44 J3.60 AJHE+I Ground Clearance0.39 m0.33 mSpecifications5.454 AJHE+1.50 MJib Length1.40 m1.52 mJib Length1.40 m1.52 mJug Radius (Inside)1.50 m2.21 mTurning Radius (Inside)1.50 m2.21 mAkle Oscillation12.70 cm10.16 cmDrive Speed (High speed)4.84 m3.31 mAkle Oscillation12.70 cm10.16 cmDrive Speed (High speed)2.15 m/s12.5 m/sPersonnel Rating at Max Wind Rating22/3Presonnel Rating at Max Wind Rating10 x 3114 x 610Tyre TypeN/M SoidiN/M Foam-FiildeBatteries6.415×Frs / sc.5 hrs / sc.5 h	Dimensions	SJ45 AJHE+	SJ60 AJHE+
Horizontal Reach 6.93 m 11.56 m Horizontal Work Reach 7.53 m 12.16 m Up and Over Height 7.45 m 8.31 m A Platform Size 0.76 x 1.83 m 0.91 x 2.44 m B Stowed Width 2.29 m 2.44 m C Tailswing 0.61 m 0.61 m D Stowed Height 2.06 m 2.54 m E Transportation Height 2.03 m 2.79 m F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE4 SJ60 AJHE4 Ib Length 1.40 m 1.52 m Jib Length 1.40 m 1.52 m Jib Length 1.50 m 2.21 m Veight 5.685 kg 9.125 kg Gradeability 4.34 m 5.31 m Akle Oscillation 12.70 cm 10.16 cm Turning Radius (Inside) 12.70 cm 10.16 cm Drive Speed (High speed) 300 kg 300/454 kg	Work Height	15.72 m	20.29 m
Horizontal Work Reach 7.53 m 12.16 m Up and Over Height 7.45 m 8.31 m A Platform Size 0.76 x 1.83 m 0.91 x 2.44 m B Stowed Width 2.29 m 2.44 m C Tailswing 0.61 m 0.61 m D Stowed Height 2.06 m 2.54 m E Transportation Height 2.37 m 2.79 m F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE1 SJ60 AJHE1 I Ground Clearance 0.39 m 0.33 m Jib Length 1.40 m 1.52 m Jib Length 1.40 m 1.52 m Jib Range +/- 1.50 m 2.21 m Yuming Radius (Inside) 1.50 m 2.21 m Turning Radius (Inside) 1.50 m 3.11 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.34 m 5.31 m Axle Oscillation 12.5 m/s <	Platform Height	13.72 m	18.29 m
Up and Over Height 7.45 m 8.31 m A Platform Size 0.76 x 1.83 m 0.91 x 2.44 m B Stowed Width 2.29 m 2.44 m C Tailswing 0.61 m 0.61 m D Stowed Height 2.06 m 2.54 m E Transportation Height 2.37 m 2.79 m F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE SJ60 AJHE4 Rotation 355" 1.52 m Jib Length 1.40 m 1.52 m Jib Langth 1.40 m 1.52 m Jib Range +/- 5.685 kg 9.125 kg Veight 1.50 m 2.21 m Turning Radius (Inside) 1.50 m 2.21 m Turning Radius (Outside) 1.25 m/s 3.01 k Maximum Wind Rating 2.03 m 3.01 k Paresonnel Rating at Max Wind Rating 2.23 m 1.25 m/s Turning Radius (Inside) 1.25 m/s <t< td=""><td>Horizontal Reach</td><td>6.93 m</td><td>11.56 m</td></t<>	Horizontal Reach	6.93 m	11.56 m
A Platform Size $0.76 \times 1.83 \text{ m}$ $0.91 \times 2.44 \text{ m}$ B Stowed Width 2.29 m 2.44 m C Tailswing 0.61 m 0.61 m D Stowed Height 2.06 m 2.54 m E Transportation Height 2.06 m 2.54 m E Transportation Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m H Wheelbase 2.03 m 2.44 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE+ SJ60 AJHE+ Rotation 355° S Jib Length 1.40 m 1.52 m Jib Length 1.40 m 1.52 m Jib Length 1.50 m 2.21 m Veight 5.685 kg 9.125 kg Gradeability 4.34 m 5.31 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.34 m 5.31 m Axle Oscillation 12.5 m/s 12.5 m/s <t< td=""><td>Horizontal Work Reach</td><td>7.53 m</td><td>12.16 m</td></t<>	Horizontal Work Reach	7.53 m	12.16 m
B Addition 2.29 m 2.44 m C Tailswing 0.61 m 0.61 m D Stowed Height 2.06 m 2.54 m E Transportation Height 2.07 m 2.79 m F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m H Wheelbase 2.03 m 2.44 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE+ SJ60 AJHE+ Rotation 355* 1150 m Jib Length 1.40 m 1.52 m Jib Langth 1.40 m 1.52 m Veight 5.685 kg 9.125 kg Gradeability 1.50 m 2.21 m Turning Radius (Inside) 1.50 m 2.21 m Gradeability 1.50 m 2.21 m Aske Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 12.5 m/s 300/454 kg Maximum Wind Rating 2 2/3	Up and Over Height	7.45 m	8.31 m
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E Transportation Height 2.37 m 2.79 m F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m H Wheelbase 2.03 m 2.44 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE+ SJ60 AJHE+ Rotation 355* P Platform Rotation 1.40 m 1.52 m Jib Length 1.40 m 1.52 m Jib Range +/- \$685 kg 9,125 kg Gradeability 1.50 m 2.21 m Turning Radius (Inside) 1.50 m 2.21 m Turning Radius (Outside) 4.34 m 5.31 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.84 m 300/454 kg Maximum Wind Rating 2 2/3 Personnel Rating at Max Wind Rating 2 2/3 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 × HS Sulk charge to 3*5 kg2.5 hrs / Sulk	C Tailswing	0.61 m	0.61 m
F Stowed Length 6.00 m 8.59 m G Transportation Length 4.75 m 6.60 m H Wheelbase 2.03 m 2.44 m I Ground Clearance 0.39 m 0.33 m Specifications SJ45 AJHE+ SJ60 AJHE+ Rotation $355^{$	D Stowed Height	2.06 m	2.54 m
G Transportation Length4.75 m6.60 mH Wheelbase2.03 m2.44 mI Ground Clearance0.39 m0.33 mSpecificationsSJ45 AJHE+SJ60 AJHE+Rotation 355^{-} SJ60 AJHE+Platform Rotation1.40 m1.52 mJib Length1.40 m1.52 mJib Range +/- $+70^{\circ}$ / -75° $+65^{\circ}$ / -60°Weight5,685 kg9,125 kgGradeability1.50 m2.21 mTurning Radius (Inside)1.50 m2.21 mTurning Radius (Outside)4.34 m5.31 mAxle Oscillation12.70 cm10.16 cmDrive Speed (High speed) 4.34 m300/454 kgMaximum Wind Rating12.5 m/s12.5 m/sPersonnel Rating at Max Wind Rating22/3Tyre TypeN/M SolidN/M Foam-FilledBatteries $-100\% \ -5hrs / Sulk charge to 35\% \ -5.5hrs$	E Transportation Height	2.37 m	2.79 m
HWheelbase2.03 m2.44 mIGround Clearance0.39 m0.33 mSpecificationsSJ45 AJHE+SJ60 AJHE+Rotation $355^{$	F Stowed Length	6.00 m	8.59 m
I Ground Clearance0.39 m0.33 mSpecificationsSJ45 AJHE+Alfo AJHE+Rotation 355° NPlatform Rotation 1.40 m 1.52 mJib Length 1.40 m 1.52 mJib Range +/- $+70^\circ$ / -75° $+65^\circ$ / 60° Weight $5,685$ kg $9,125$ kgGradeability 1.50 m 2.21 mTurning Radius (Inside) 1.50 m 2.21 mAxle Oscillation 12.70 cm 10.16 cmDrive Speed (High speed) 300 kg $300/454$ kgMaximum Wind Rating 2 2 / 3 12.5 m/sTyre Size 10×31 14×610 Tyre TypeN/M SolidN/M Foam-FilledBatteries $415 \rightarrow \text{Irs /}$ $6-100\% < J > \text{Irs /} s/S + S Charge Time0-100\% < J > \text{Irs /} s/S + S $	G Transportation Length	4.75 m	6.60 m
SpecificationsSJ45 AJHE+SJ60 AJHE+Rotation 355° NCPlatform Rotation 1.7° Jib Length 1.40 m 1.52 mJib Length 1.40 m 1.52 mJib Range +/- $+70^{\circ}/-75^{\circ}$ $+65^{\circ}/-60^{\circ}$ Weight $5,685$ kg $9,125$ kgGradeability -45° $-45^{\circ}/-60^{\circ}$ Turning Radius (Inside) 1.50 m 2.21 mTurning Radius (Outside) 4.34 m 5.31 mAxle Oscillation 12.70 cm 10.16 cmDrive Speed (High speed) 4.34 m $300/454$ kgMaximum Wind Rating 2 $2/3$ Tyre Size 10×31 14×610 Tyre TypeN/M SolidN/M Foam-FilledBatteries $415 \times ISN < 2.5$ hrs fCharge Time $0^{O-100\% < 15$ hrs f	H Wheelbase	2.03 m	2.44 m
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Platform RotationImage Provide State Sta	Specifications	SJ45 AJHE+	SJ60 AJHE+
Jib Length 1.40 m 1.52 m Jib Range +/- $+70^\circ$ / -75° $+65^\circ$ / 60° Weight $5,685 \text{kg}$ $9,125 \text{kg}$ Gradeability $5,685 \text{kg}$ $9,125 \text{kg}$ Turning Radius (Inside) 1.50m 2.21m Turning Radius (Outside) 4.34m 5.31m Axle Oscillation 12.70cm 10.16cm Drive Speed (High speed) 4.34m $300 / 454 \text{kg}$ Gapacity 300kg $300 / 454 \text{kg}$ Maximum Wind Rating $2 2.73$ 12.5m/s Personnel Rating at Max Wind Rating $2 2.73$ $14 x 610$ Tyre Size $10 x 31$ $14 x 610$ Fuge Time $0^{-100\% s^{-15} \text{ths} / 5.5 \text{ths} / $	Rotation	355° NC	
Jib Range +/- +70° / -75° +65° / -60° Weight 5,685 kg 9,125 kg Gradeability	Platform Rotation	170°	
Norm Norm Weight 5,685 kg 9,125 kg Gradeability 4.50 m 2.21 m Turning Radius (Inside) 1.50 m 2.21 m Turning Radius (Outside) 4.34 m 5.31 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.34 m 300/454 kg Maximum Wind Rating 300 kg 300/454 kg Personnel Rating at Max Wind Rating 2 2/3 Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 A GM Charge Time 0-100% <55 hrs / Sulk charge to 35% <2.5 hrs	Jib Length	1.40 m	1.52 m
Gradeability 45 Gradeability 4.34 m Turning Radius (Inside) 1.50 m Turning Radius (Outside) 4.34 m Axle Oscillation 12.70 cm Drive Speed (High speed) $4.8 $	Jib Range +/-	+70° / -75°	+65° / -60°
Turning Radius (Inside) 1.50 m 2.21 m Turning Radius (Outside) 4.34 m 5.31 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.8 W 300 kg 300/454 kg Capacity 300 kg 300/454 kg 12.5 m/s Maximum Wind Rating 12.5 m/s 12.5 m/s Personnel Rating at Max Wind Rating 2 2/3 Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 × U 55 × S Charge Time Sulk charge to 35 × SS < 2.5 hrs	Weight	5,685 kg	9,125 kg
Turning Radius (Outside) 4.34 m 5.31 m Axle Oscillation 12.70 cm 10.16 cm Drive Speed (High speed) 4.34 m 5.31 m Capacity 4.34 m 10.16 cm Maximum Wind Rating 300 kg $300/454 \text{ kg}$ Personnel Rating at Max Wind Rating 2 $2/3$ Tyre Size 10×31 14×610 Tyre Type N/M Solid N/M Foam-Filled Batteries $415 \times \text{GM}$ Charge Time $0^{-100\%} < 15 \text{ hrs } / \text{Bulk charge to 35\% < 2.5 \text{ hrs } $	Gradeability	45%	
Axle Oscillation12.70 cm10.16 cmDrive Speed (High speed) $4.8 ext{$	Turning Radius (Inside)	1.50 m	2.21 m
Drive Speed (High speed) 4.8	Turning Radius (Outside)	4.34 m	5.31 m
Capacity 300 kg 300/454 kg Maximum Wind Rating 12.5 m/s 12.5 m/s Personnel Rating at Max Wind Rating 2 2 / 3 Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 → T Charge Time 0–100% <15 hrs / Bulk charge to 35% <2.5 hrs	Axle Oscillation	12.70 cm	10.16 cm
Maximum Wind Rating 12.5 m/s 12.5 m/s Personnel Rating at Max Wind Rating 2 2 / 3 Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 A GM Charge Time 0–100% <15 hrs / Bulk charge to 35% <2.5 hrs	Drive Speed (High speed)	4.8 km/h	
Personnel Rating at Max Wind Rating 2 2/3 Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 A GM Charge Time 0–100% <15 hrs / Bulk charge to 35% <2.5 hrs	Capacity	300 kg	300/454 kg
Tyre Size 10 x 31 14 x 610 Tyre Type N/M Solid N/M Foam-Filled Batteries 415 Ah AGM Charge Time 0-100% <15 hrs / Bulk charge to 35%-85% <2.5 hrs	Maximum Wind Rating	12.5 m/s	12.5 m/s
Tyre Type N/M Solid N/M Foam-Filled Batteries 415 Ah AGM Charge Time 0–100% <15 hrs / Bulk charge to 35%–85% <2.5 hrs	Personnel Rating at Max Wind Rating	2	2/3
Batteries 415 Ah AGM Charge Time 0–100% <15 hrs / Bulk charge to 35%–85% <2.5 hrs	Tyre Size	10 x 31	14 x 610
0-100% <15 hrs /	Туге Туре	N/M Solid	N/M Foam-Filled
Bulk charge to 35%–85% <2.5 hrs	Batteries	415 Ah AGM	
Hydraulic Reservoir 91 L 115 L			
	Charge Time		
Engine Kubota D902	-	Bulk charge to 35	5%–85% <2.5 hrs

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ACCESSORIES

- Glazier kit
- Pipe rack
- Tool caddy

OPTIONS

- Flashing light
- 0.91 x 1.83 m platform (SJ60 AJHE+)
- Side spring hinged entry gate (SJ45 AJHE+)
- Rear spring hinged entry gate (SJ60 AJHE+)
- Control box cover
- Bio oil
- ELEVATE telematics



This brochure is for illustrative purpose only and based on the latest information at the time of printing. Skyjack Inc. reserves the right to make changes at any time, without notice, to specifications, standard and optional equipment. Consult the Operating Maintenance and Parts Manuals for proper procedures. AS marked platforms are in conformance to Standard AS/NZS 1418.10:2011.