

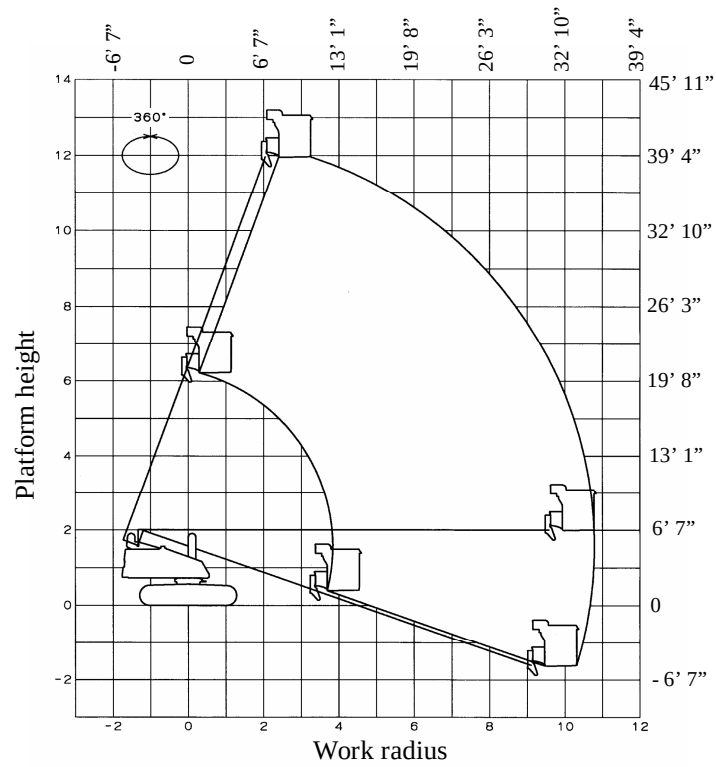
III Specifications

1. Main specifications

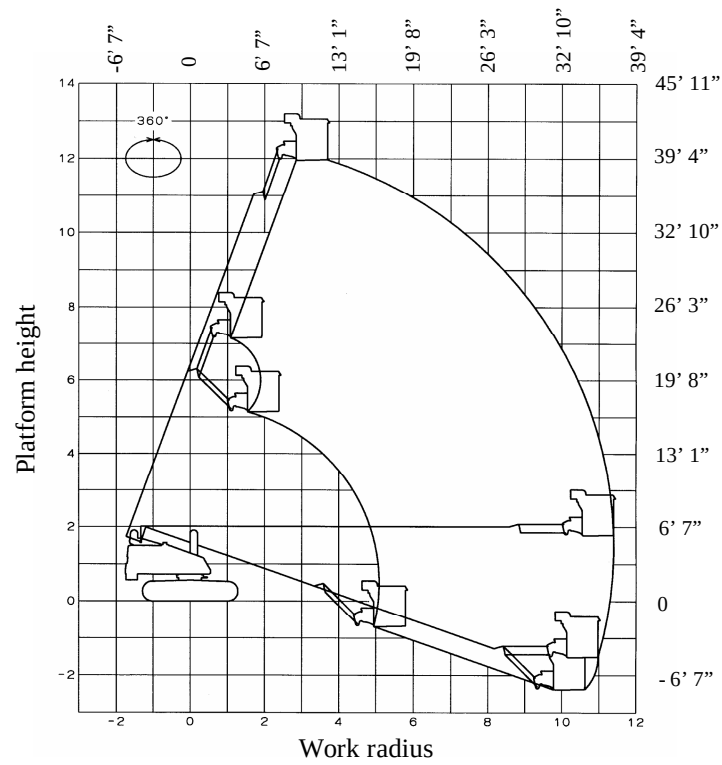
<i>Model</i>			SR12B / ISR40B	SR12BJ / ISR40BJ
Dimensions	Overall length		6.34 m (20ft – 10in)	7.715m (25ft – 4in)
	Overall width		2.30 m (7ft – 7in)	
	Overall height		1.995 m (6ft – 7in)	
	Minimum ground clearance		305 mm (12.0 in)	
	Tail swing		0.60 m (2ft – 0in)	
Gross weight			7,445 kg (16,413 LBS)	8,240 kg (18,166 LBS)
Gradeability			58% (30 degrees)	
Maximum allowable tilt angle			5 degrees	
Maximum ground contact pressure			0.66 kg/cm ² (9.39 PSI)	0.74 kg/cm ² (10.53 PSI)
Platform	Rated load		250 kg (550 LBS) or 2 persons + Tools 90 kg (200 LBS)	
	Size (L x W x H)		1.8 x 0.75 x 1.1 m (5ft-11in x 2ft-6in x 3ft-7in)	
	Maximum allowable manual side force		400 N (41 kg) (90LBS)	
	Maximum platform floor height		12.1 m (39ft – 8in)	
	Maximum outreach		10.7 m (35ft – 1in)	11.3 m (37ft – 1in)
	Rotation angle		180 degrees	
Boom	Boom angle		-19 ~ +70 degrees	
	Boom length		4.80 ~ 10.91 m (15ft – 9in ~ 35ft – 10in)	4.80 ~ 9.92 m (15ft – 9in ~ 32ft – 7in)
	Rotation angle		360 degrees (Continuous)	
Fly jib	Jib angle		-----	-45 ~ +71 degrees
	Jib length		-----	1.22 m (4ft – 0in)
Engine	Model		Isuzu 3LD1 PA-49	
	Total displacement		1,496 cc (91 in ³)	
	Maximum output power		21.0 kw/2,400 rpm (28.2 HP/2,400 rpm)	
	Maximum output torque		9.41 kg-m/1,700 rpm (68.1 ft-lbs/1,700 rpm)	
	Fuel tank capacity		95 liters (25.1 gallons)	
	Engine rpm	Low	1,150 rpm	
		High	2,400 rpm	
Battery voltage			DC12 volts	
Actuating speed	Boom elevation	UP	50 seconds	45 seconds
		Down	50 seconds	45 seconds
	Fly jib elevation	Up	-----	20 seconds
		Down	-----	18 seconds
	Boom telescope	Out	25 seconds	23 seconds
		In	25 seconds	23 seconds
	Boom rotation	CW	110 seconds	115 seconds
		CCW	110 seconds	115 seconds
	Platform rotation	CW	11 seconds	
		CCW	11 seconds	
Hydraulic system	Rated pressure	High speed	1.5 km/hour (0.93 MPH)	
		Low speed	0.9 km/hour (0.56 MPH)	
Hydraulic system	Rated pressure		250 kg/cm ² (3,556 PSI)	
	Hydraulic tank capacity		145 liters (38.3 gallons)	
	Recommended hydraulic oil		Shell Tellus oil T22	

- * Airborne noise emissions do not exceed a sound pressure level of 85 dB(A) at the operating positions.
- * The vibration emitted by the machine does not exceed 0.5m/s² (19.7 in/s²) on the work platform.
- * This machine is designed for both indoor and outdoor use.

2. Work range diagram



SR12B



SR12BJ

The work range of the platform shown in the above diagram is obtained at any boom-rotated directions.