

ARONSON Series

Scarab - I, II & III



Koike Aronson / Ransome gear elevated Scarab series Manipulators are designed for safety and a trouble free long life. All critical mechanisms are enclosed and load carrying gear cases are welded in place and lifetime lubricated. Both lift and reach axis are guided with concave wheels and roundways for precision movement.

For medium to large industrial applications which require a large arc travel and load capacities. Larger capacities allow the option of locating the operator on the boom with catwalks and chairs, providing an up close view of the arc and welding process.

Self-standing bases, travel cars and welding equipment packages are just some of the options available.

Lift and reach ranging from 6 ft to 30 ft



KOIKE ARONSON, INC. / RANSOME

Features

- **Load capacities up to 3,000 pounds**
- **NEMA 12 Electricals**
- **Floor-base or car-track options available**
- **Large variety of accessories and options for versatility**
- **Low voltage hand control pendants**
- **50:1 Variable speed drives**
- **Round rail guidance on lift and reach axis**
- **Rack and pinion lift**
- **Optional mast rotation**



Standard hand pendant provided with all models

Specifications

Scarab

Model	Scarab-I	Scarab-II	Scarab-III
Reach Travel Speed (IPM)	100 - 2.0 ipm	100 -2.0 ipm	180 - 2.0 ipm
Reach motor HP	½ hp	½ hp	1 hp
Dim A: Standard reach travel	6 ft	12 ft	20 ft
Maximum reach travel	14 ft	20 ft	30 ft
DIM B: Std. Minimum reach distance From CL of Mast	18 in	21in	28-½ in
DIM C: Std. Max. reach distance From CL of Mast	90 in	165 in	268-½ in
Boom mounting plate dimensions	½ x 10 x 16-¾ in	¾ x 10 x 16-¾ in	1 x 11-7/8 x 23-½ in
DIM D: Std. height overall (HOA) from floor to top of machine	120 in	199 in	322 in
Lift speed	32 ipm	30 ipm	27 ipm
Lift motor HP	1 hp	1 hp	10 hp
DIM E: Minimum lift height from floor to CL of boom	28 in	33-½ in	53-½ in
Maximum lift travel	14 ft	20 ft	30 ft
DIM F: Std. Lift travel distance from CL of boom	6 ft	12 ft	20 ft
Base dimension	1-½ x 24 in diameters	2 x 32 in diameter	2-¾ x 38 in diameter
Standard machine voltage	460/3/60	460/3/60	460/3/60

All dimensions are for reference only and subject to change without notice.

Model	Scarab-I	Scarab-II	Scarab-III
6 ft x 6 ft	1700 lb		
7 ft x 7 ft	1500 lb		
8 ft x 8 ft	1500 lb		
9 ft x 9 ft	1300 lb		
10 ft x 10 ft	1300 lb		
12 ft x 12 ft	1100 lb	2200 lb	
14 ft x 14 ft	900 lb	1900 lb	
16 ft x 16 ft		1600 lb	
18 ft x 18 ft		1300 lb	
20 ft x 20 ft		1000 lb	3000 lb
22 ft x 22 ft			2600 lb
24 ft x 24 ft			2200 lb
26 ft x 26 ft			1800 lb
28 ft x 28 ft			1400 lb
30 ft x 30 ft			1000 lb

Maximum load in pounds on either or both ends of boom

See page 6 for car and base options & page 22 for all machine options

