

#### The Mighty Crane Series

Our mini cranes are strong enough to do the job and compact enough to work in hard to access areas. The Mighty Crane product line comes the from well renowned manufacturer R&B Engineering and is now exclusively distributed in the US and Canada by ReachMaster, Inc.. Innovation, quality, superior design and above all safety are trademarks of R&B Engineering. This Mighty Crane has a lifting capacity of 6,172 lbs and 28 ft 6in. lifting height yet is ultra-compact and will fit in tight situations where normal sized cranes cannot venture. It's applications include: glass and curtain wall installation, residential and commercial construction, building maintenance, pipeline handling, oil/gas refinery use and many more.

- · Available in 2 models
- Ultra-Compact
- · Safety moment limiter standard
- Tier 4 engine
- · Five Section full automatic boom
- · 4 Falls / 2 Falls / 1 fall hook block
- · Hydraulic outriggers

### **OPTIONS**

- · Remote operation controller
- · Searcher hook

## Specifications

| Crane capacity  |  | 6,172lbs×4'11"   |  |  |  |  |
|---|--|--|--|--|--|--|
| Max.working r   | radius   | 27'10" X 330lbs  |  |  |  |  |
| Max lifting hei   | ght (on the ground)  | 28'6"  |  |  |  |  |
| Winch   | Hook speed   | 37'/min(4layers, 4falls)   |  |  |  |  |
| system  | Hoist wire rope  | ∮8mm(0.31") ×164'  |  |  |  |  |
| Telescoping   | Туре   | Fully automatic 5-sections pentagonal<br>telescopic boom (Section 3,4 and 5<br>slide simultaneously)   |  |  |  |  |
| system  | Boom length  | 8'5"-13'8"-18'11"-24'1"-29'3"  |  |  |  |  |
|   | Boom telescoping stroke/Time   | 27'10" × 330lbs  28'6"  37'/min(4layers, 4falls)  \$\$\delta\$ 8mm(0.31") × 164'  Fully automatic 5-sections pentagonal telescopic boom (Section 3,4 and 5 slide simultaneously)   |  |  |  |  |
| Boom<br>hoisting<br>system  | Boom angle / time  | 0-70*/8sec   |  |  |  |  |
| Swing<br>system   | Swing angle / time   | 360*(continuous)/16sec   |  |  |  |  |
| Outringer   | Туре   | Hydraulic cylinder jack  |  |  |  |  |
| Outrigger   | Max.extended width   | 11'2"×10'4"  |  |  |  |  |
| Max litting height Vinch Vinch Gelescoping System  Boom Roisting Swing System  Dutrigger  Fravel System  Electric Rotor Hydraulic  Remote  Diverall length Machine weight | Туре   | Hydraulic motor reducer with brake   |  |  |  |  |
|   | Travel speed   | 0~1.16mph  |  |  |  |  |
| Travel system   | ax working radius  ax lifting height (on the ground)  finch Hook speed  finch Hoist wire rope  Type  Type  Boom length Boom telescoping stroke/Time  Type  Type  Type  Type  Type  Boom angle / time  Type   | 20*  |  |  |  |  |
| - 170000  |  | 3′10″×7″   |  |  |  |  |
|   | Ground pressure  | 6.11psi  |  |  |  |  |
|   | Model  | YANMAR 2TNV70 Certified to EPA Tier4   |  |  |  |  |
|   | Displacement   | 0.570 £ [570cc]  |  |  |  |  |
| Engine  | x.working radius  27'10" X 330lbs  28'6"  37'/min(4layers, 4falls)  #Book speed  Hoist wire rope  Type  Boom length  Boom length  Boom angle / time  Type  Type  Type  Type  Boom angle / time  Type  Type  Type  Type  Boom angle / time  Type  Type  Type  Type  Type  Boom angle / time  Type  Type  Type  Type  Type  Type  Type  Hydraulic cylinder jack  11'2" X 10'4"  Type  Travel speed  Grade ability  Crawler ground length width  Tyne  Tyne  Model  Displacement  Displacement  Continuous rated output  Starting method  Fuel / Fuel tank capacity  Totally enclosed fan-cooled motor 4P,5.5k  220'-380V  Totally enclosed fan-cooled motor 4P,5.5k  220'-380V  Moment limiter, Tricolored light, Head lat  Type  Model  Operation  Type  Travel Speed onde  Operation  Type  Travel Speed onde  Type  Typ | 7.9kw/2,600min-1 [10.5hp,10.7PS/2,600rpm]  |  |  |  |  |
|   |  |  |  |  |  |  |
|   | Fuel / Fuel tank capacity  | 27'10" X 330lbs 28'6" 37'/min(4layers, 4falls)  \$mm(0.31") X 164'  Fully automatic 5-sections pentagonal telescopic boom (Section 3,4 and 5 slide simultaneously) 8'5"-13'8"-18'11"-24'1"-29'3" 20'10"/22sec 0-70"/8sec  360" (continuous)/16sec  Hydraulic cylinder jack 11'2" X 10'4"  Hydraulic motor reducer with brake 0~1.16mph 20' 3'10" X 7" 6.11psi  YANMAR 2TNV70 Certified to EPA Tier4 0.570 £ [570cc] 7.9kw/2,600min-1 [10.5hp,10.7PS/2,600rp Electric starting Diesel/5.2gallon  Totally enclosed fan-cooled motor 4P,5.5k 220V-380V Fixed torgue dual piston pump High/Low Boom telescoping, Hoisting, Swing, Winch, Engine speed control, Emergency stop, Alar 9'7" X 2'7" X 4'8"  3,858lbs (4,740lbs with electric motor) Moment limiter, Tricolored light, Head lar |  |  |  |  |
| Electric<br>motor   | Motor type   |  |  |  |  |  |
| Hydraulic   | Hydraulic pump   | Fixed torgue dual piston pump  |  |  |  |  |
|   | Speed mode   | High/Low   |  |  |  |  |
| Remote  | Operation  | Boom telescoping, Hoisting, Swing, Winch,<br>Engine speed control, Emergency stop, Alarm   |  |  |  |  |
| Overall length  | ×width×height  | 9'7"×2'7"×4'8"   |  |  |  |  |
| Machine weig  | ht   |  |  |  |  |  |
| Options   |  | Moment limiter, Tricolored light, Head lamp,<br>Electric motor 2falls/1fall hook   |  |  |  |  |

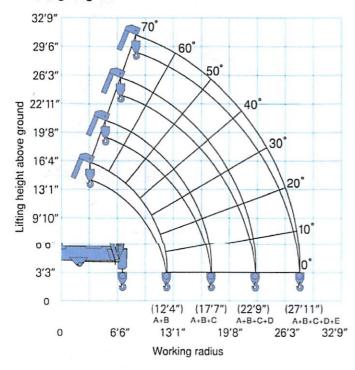






# Mighty Crane

# Working range chart



## ■ Table of Total Rated Load [5-section boom]

| When booms A and B are used |        |       |       |       |       |       |  |  |  |
|-----------------------------|--------|-------|-------|-------|-------|-------|--|--|--|
| Working radius              | ~4'11" | 6'6"  | 8'2"  | 9'10" | 11'5" | 12'1" |  |  |  |
| Total rated load (lbs)      | 6,172  | 4,850 | 3,637 | 2,711 | 2,138 | 1,895 |  |  |  |

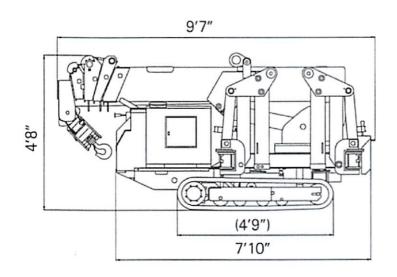
| When booms A, B and C are used |       |       |       |       |       |       |       |  |  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|--|--|
| Working radius                 | ~9'6" | 9'10" | 11'5" | 13'1" | 14'9" | 16'4" | 17'4" |  |  |
| Total rated load (lbs)         | 2,755 | 2,689 | 2,138 | 1,697 | 1,344 | 1,168 | 1,036 |  |  |

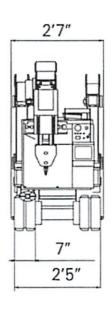
| When booms A, B, C and D are used |        |       |       |       |       |       |       |       |  |  |
|-----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|--|--|
| Working radius                    | ~11'9" | 13'1" | 14'9" | 16'4" | 18'0" | 19'8" | 21'3" | 22'7" |  |  |
| Total rated load (lbs)            | 1,873  | 1,587 | 1,322 | 1,102 | 947   | 815   | 705   | 639   |  |  |

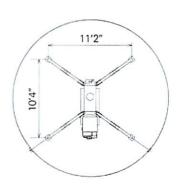
| When booms A, B, C, D and E are used |        |       |       |       |       |        |       |       |        |  |
|--------------------------------------|--------|-------|-------|-------|-------|--------|-------|-------|--------|--|
| Working radius                       | ~13′1″ | 16'4" | 18'0" | 19'8" | 21'3" | 22'11" | 24'7" | 26'3" | 27'10" |  |
| Total rated load (lbs)               | 1,212  | 727   | 617   | 551   | 485   | 462    | 396   | 374   | 330    |  |

%Figures in each table includes 50.7lbs of hook block.
%There are different figures in some areas / directions. Refer to the operation manual for further detail.

Working radius and lifting height are based on unloaded condition, excluding deflection of the boom









ReachMaster, Inc. 1416 D Stonehollow Dr. Kingwood, TX 77339 TF: 866-358-7088 Tel: 281-358-7088

Fax: 281-359-3500 www.reachmaster.com

We reserve the right to alterations