

RT-706J & RT-708J Rough-Terrain Forklifts



Pure Power: Ingersoll-Rand RT-700J Forklifts.

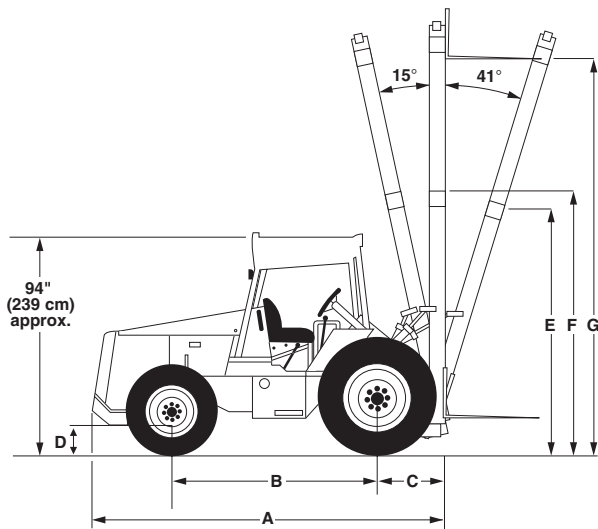
When it comes to strength and agility, look no further than the Ingersoll-Rand RT-700J Series. These rugged forklifts offer the industry's best power-to-weight ratio, a state-of-the-art full powershift transmission, and an 80-hp John Deere engine enabling you to power through the most rugged of environments.

Engineered with high-quality components, the RT-700J forklifts thrive on the toughest jobsites. Choose from a variety of options, and rest assured that your Ingersoll-Rand rough-terrain forklift is backed by years of reliable performance in heavy construction, rental services, lumber and agriculture operations, and industrial storage yards.



RT-706J & RT-708J Rough-Terrain Forklifts

Specifications



| MODEL* | 15-FT MULTI-VIEW | 22-FT MULTI-VIEW | 22-FT FREE LIFT |
|---|------------------|------------------|-----------------|
| Type Stage Roller | 2 | 3 | 3 |
| Capacity (RT-706J) @ 24 in LC | | | |
| lb-ft | 6,000 – 15 | 6,000 – 15 | 6,000 – 15 |
| (kg-m) | (2727 – 4.57) | (2727 – 4.57) | (2727 – 4.57) |
| lb-ft | | 3,300 – 22 | 3,300 – 22 |
| (kg-m) | | (1497 – 6.71) | (1497 – 6.71) |
| Capacity (RT-708J) @ 24 in LC | | | |
| lb-ft | 8,000 – 15 | 8,000 – 15 | 8,000 – 15 |
| (kg-m) | (3636 – 4.57) | (3636 – 4.57) | (3636 – 4.57) |
| lb-ft | | 4,400 – 22 | 4,000 – 22 |
| (kg-m) | | (1996 – 6.71) | (1818 – 6.71) |
| Mast Tilt Forward | 41° | 41° | 41° |
| Mast Tilt Back | 15° | 15° | 15° |
| E Lowered Height — 41° Tilt – in (mm) | 103 (2616) | 103 (2616) | 103 (2616) |
| F Lowered Height — Vertical – in (mm) | 127 (3226) | 127 (3226) | 127 (3226) |
| G Max Fork Height – in (mm) | 180 (4572) | 264 (6706) | 264 (6706) |
| Lift speed @ 2,500 rpm – fpm (m/min) | 140 (43) | 150 (46) | 125 (38) |
| Free Lift – in (mm) | — | — | 91 (2311) |
| Mast Side Shift – in (mm) | + / - 3 (76) | + / - 3 (76) | + / - 3 (76) |

*RT-706J and RT-708J, unless otherwise specified.

OPTIONS

- Auxiliary hydraulic control
- All-weather cab complete with front wiper
- Cab options include floor mat, dome light, heater, defroster, rear wiper, inside rear-view mirror
- Vandal protection package
- 110 / 120-volt engine block heater
- Full gauge instrument panel
- Road lighting package includes work lighting package, turning signals, 4-way flashers
- Work lighting package includes 2 front and 1 rear work lights
- Pintle hitch

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MODEL

RT-706J & RT-708J

SIZE / DIMENSIONS

| | | |
|---|---------------|---------------|
| A Overall Length – in (cm) | | 158 (401) |
| B Wheelbase – in (cm) | | 84 (213) |
| C Reach: Drive Axle To Carriage Face – in (cm) | | 34 (87) |
| D Ground Clearance – in (cm) | | 9 (23) |
| Overall Width (RT-706J) – in (cm) | | 84 (213) |
| Overall Width (RT-708J) – in (cm) | | 85 (216) |
| Tread Width Drive Tires – in (cm) | | 65 (165) |
| Tread Width Steering Tires – in (cm) | 2-Wheel Drive | 69 (175) |
| | 4-Wheel Drive | 71 (180) |
| Curb Turning Radius – in (cm) | 2-Wheel Drive | 161 (409) |
| | 4-Wheel Drive | 165 (419) |
| Steering Wheel Turns Stop-to-stop | 2-Wheel Drive | 4 |
| | 4-Wheel Drive | 4 |
| Operating Weight w/o Mast (RT-706J) – lb (kg) | 2-Wheel Drive | 9,500 (4318) |
| | 4-Wheel Drive | 9,700 (4450) |
| Operating Weight w/o Mast (RT-708J) – lb (kg) | 2-Wheel Drive | 11,270 (5122) |
| | 4-Wheel Drive | 11,600 (5273) |

ENGINE

| | |
|---------------------------------------|------------------|
| John Deere 4045 Diesel | Direct injection |
| 4-Cylinder – cu in (cm ³) | 275 (4500) |
| Horsepower – hp | 80 |
| Max Torque @ 1,400 rpm – ft-lb (Nm) | 218 (296) |

TRANSMISSION

| | |
|-------------------------------|--|
| 2-Wheel Drive & 4-Wheel Drive | 3-speed powershift transmission, single-stage torque converter with foot-operated dump, operator-engaged steering axle drive |
|-------------------------------|--|

DRIVE AXLE

Inboard planetary with dual, hydraulically operated, wet disc brakes; hydraulic differential lock

STEER AXLE

| | |
|---------------|-------------------------------|
| 2-Wheel Drive | Heavy-duty industrial axle |
| 4-Wheel Drive | Heavy-duty outboard planetary |

STEERING

Hydrostatic power steering with load-sensing orbital steering valve

TIRES

| | | |
|-----------------------|---------------|-----------------------|
| Steer Tires | 2-Wheel Drive | 11L x 16 (12 PR) F3 |
| | 4-Wheel Drive | 12 x 16.5 NHS (10 PR) |
| Drive Tires (RT-706J) | | 16.9 x 24 (10 PR) R4 |
| Drive Tires (RT-708J) | | 18.4 x 24 (12 PR) R4 |

ELECTRICAL

| | |
|-------------------------|-----|
| Negative Ground – volts | 12 |
| Battery – CCA | 900 |
| Back-up Alarm – dBA | 107 |
| Alternator – amps | 61 |

SYSTEM CAPACITIES

| | | |
|----------------------------|---------------|---------|
| Cooling – qt (L) | 20 (19) | |
| Crank Case – qt (L) | 15.9 (15) | |
| Transmission – qt (L) | 2-Wheel Drive | 18 (17) |
| | 4-Wheel Drive | 14 (13) |
| Drive Axle – qt (L) | | 9 (8.5) |
| Fuel Tank – gal (L) | | 21 (79) |
| Hydraulic System – gal (L) | | 21 (79) |

HYDRAULIC SYSTEM

| | |
|------------------------------|----------------------------|
| Gear Type Pump – gpm (L/min) | 20.8 (78) @ 2,500 rpm |
| Flow Divider – gpm (L/min) | 6 (23), integral |
| Return Line Filter | 10 micron, spin-on element |
| Control Valve – psi (bar) | 3-spool, 3,000 (207) |

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