



RIG-N-LIFT 100/140

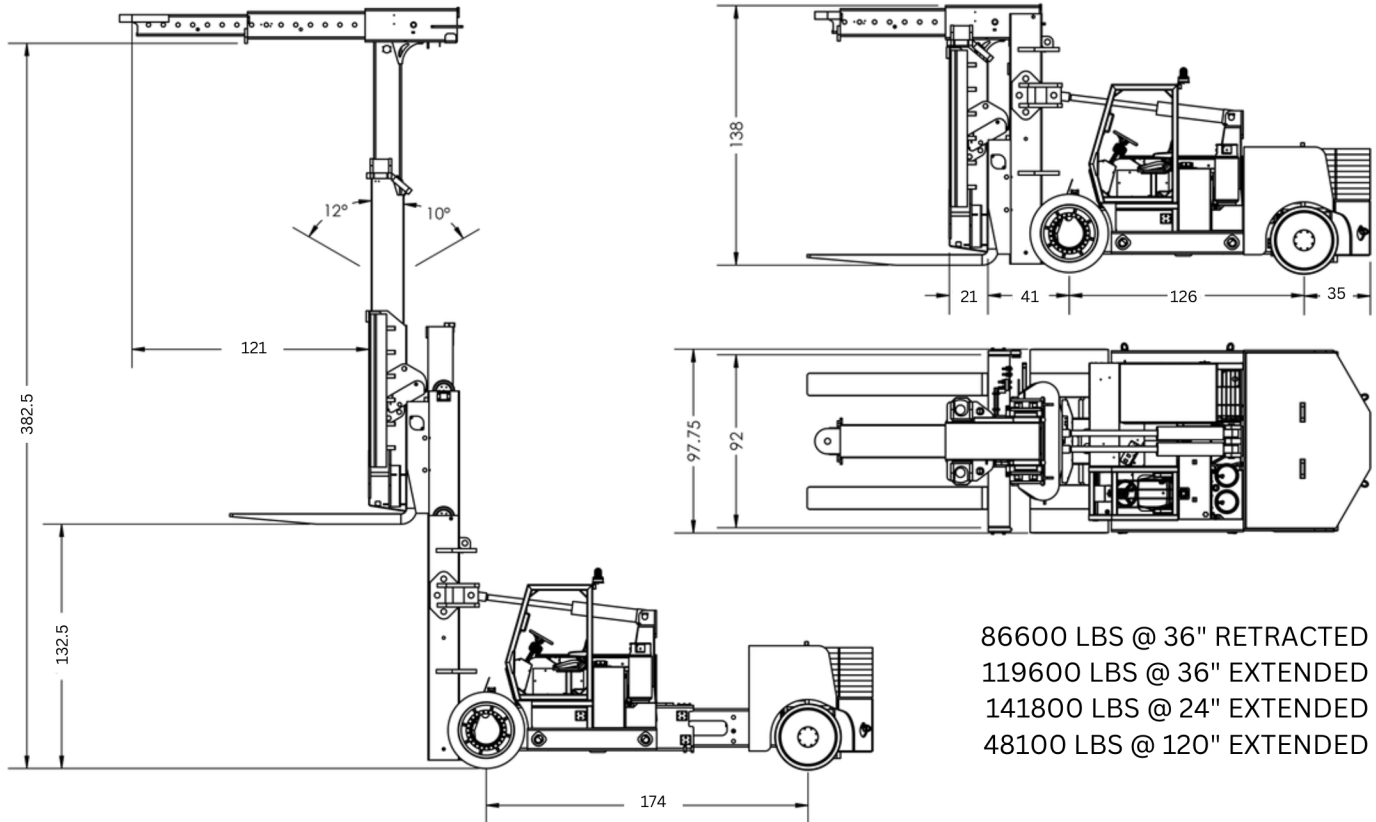


SPEC SHEET
RIG-N-LIFT 100/140

CUSHION TIRE | EXTENDABLE COUNTER-WEIGHT



RIG-N-LIFT 100/140 | SPEC SHEET



ENGINE	PSI 4.3 L V6
TRANSMISSION	Danfoss Hydrostatic
DRIVE AXLE	Bonfiglioli Hub
TIRES	FRONT 42" X 25" X 30" REAR 36" X 14" X 30"
GRADE	EMPTY 50% LOADED 30%
TILT	FORWARD 12° BACK 10°
WEIGHT	GROSS: 119,050 LBS CHASSIS: 57,500 LBS BOOM: 13,100 LBS BOOM STAND: 950 LBS FORKS: 5,200 LBS COUNTERWEIGHT: 42,300 LBS (9 @ 4,700 LBS each)
BOOM REACH	31' 10.5"
LOAD CAPACITY	102,700 LBS @ 24" RETRACTED 141,800 LBS @ 24" EXTENDED
WIDTH	97.75"
WHEELBASE	RETRACTED: 126" EXTENDED: 174"

Additional Features:

- Comes with Boom Stand
- Horizontal Boom retracts while using forks
- 2-stage FFL roller mast
- Dual Fuel



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Slab Weight (lbs)	Number of Slabs	Standard Wheel Base (in)
4700	9	126

Lifting Capacity w/ Forks Only (lbs)

	Counterweight Extension (in)				
	0	12	24	36	48
24	102700	113600	123500	133300	141800
36	86600	94900	103200	111500	119600
60	66700	72400	78700	85800	92200
72	59600	65300	70900	76700	82400
84	54800	60500	64100	69300	74400

Load Center From
Fork Face (in)

Lifting Capacity w/ Boom Only (lbs)

	Counterweight Extension (in)				
	0	12	24	36	48
8	93000	102200	111400	120500	129700
16	83100	90400	98600	106800	114900
24	74900	82500	90000	97400	104900
32	67700	75200	82000	88800	95700
40	62000	68300	74500	80700	87000
48	57800	63700	69500	75400	81200
56	53100	59000	64600	70000	75400
64	49500	54500	59600	64600	69700
72	47000	51700	56500	61300	66000
80	43800	48600	53300	57700	62200
88	41300	46000	50300	54600	58800
96	39000	43000	47000	51200	55200
102	38000	41900	45800	49800	53600
112	35400	39000	42600	46300	50000
120	34100	37500	41100	44700	48100

Load Center From
Fork Face (in)

Lifting Capacity w/ Forks and Boom (lbs)

	Counterweight Extension (in)				
	0	12	24	36	48
12	83600	92300	101000	109700	118300
24	71300	78700	86000	94300	101700
36	63100	69800	76300	82900	89300
48	55800	61500	67300	73000	78800
60	50700	56000	61300	66500	71800
72	45800	51500	55200	60500	65400

Load Center From
Fork Face (in)

***All load capacities are rated with the mast vertical.



RIG-N-LIFT | STANDARD SPECIFICATIONS

Operator Cab

- Meets ANSI 856.1 FOPS
- Left-hand operator position
- Rubber-mounted cab isolated from the frame
- Low, non-skid steps for safe and easy entry/exit
- Adjustable semi-suspension seat and retractable seat belts
- Onboard Load Calculator
- Master digital display unit provides all vehicle gauges (eg. oil temperature, fuel level)
- Engine fault code diagnostic capability
- Soft-touch hydraulic levers
- Spring-apply hydraulic release parking brake
- Hydraulic weight scale

Mast & Carriage

- Quick-Change Fork System for quick connect/disconnect of attachments
- Heavy-duty mast rails provide visibility and full capacity at maximum lift heights
- High-strength adjustable composite wear pads on boom
- Main and side thrust rollers are impact-resistant and designed to reduce friction
- Greaseable mast pivots constructed with wear-resistant bronze bushings and hardened steel pins
- Safety valve built into base of lift cylinder securely holds load in event of hose failure
- Chrome-plated cylinder rods

Power

- PSI 4.3L LPG engine
- Built-in Engine protection
- Inboard muffler
- O-ring face seal fittings
- Tilt-lock counterbalance valve to prevent mast drift
- Easy-access oil filter and drain for quick and easy maintenance
- Large clean-out covers on top of hydraulic tank for easy access and convenient drain plug on the bottom
- Filters are easily accessible
- Color-coded electrical wires enclosed
- Standard 12-volt electrical system

Strength

- Planetary drives rated for durability in high-capacity, high-torque applications
- Double reduction gearing for increased torque
- Precision ground, heat-treated gears

Steer Axle

- Thick top plate on welded beam steer axle provides added strength
- Highly maneuverable in tight areas
- Dual-action bolt-on cylinder is protected by heavy steel support beams and provides effortless power steering
- Lower maintenance costs due to minimal amount of moving parts
- Easy-access lubrication points
- Tapered roller bearings

Paint/Finish

- Two-part rust-inhibiting polyurethane base coat and two-part polyurethane top coat for corrosion protection
- Majority of components are powder-coated, which is up to 10 times thicker than traditional spray paint resulting in greater scratch and chip resistance
- Environmentally friendly; produces virtually no VOC's

Serviceability

- Hinged panels and hoods
- Every component sourced from a reputable vendor or manufactured by Royal Rig N' Lift providing cost savings and rapid parts availability

Optional Equipment & Features

- Remote control for all vehicle functions
- Fire extinguisher
- Single or Dual-Camera
- Side-shifting, independent fork positioner (SS/FP)
- Boom attachments: hooks, shackles, swivels and more
- Lifting ring assemblies (slides over boom for 2-pc picks)
- Additional work lights
- "Blue Spot" Safety Light
- Custom Paint