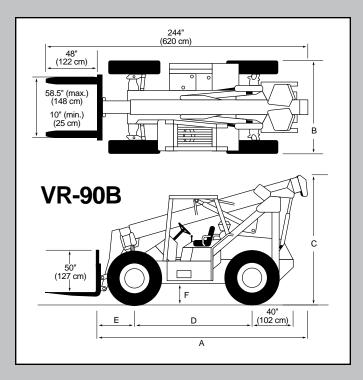
INGERSOLL-RAND VR-90B Telescopic Material Handlers

Specifications

Overall length (less forks) Overall width Overall height Wheelbase Reach:	A B C D	196.0" 97.5" 113.0" 108.0"	(498 cm) (248 cm) (287 cm) (274 cm)
Drive axle to carriage front	Е	36.0"	(91 cm)
Ground clearance	F	16.0"	(40 cm)
Tread width		83.0"	(211 cm)
Frame leveling		±	12° each side
Shipping weight	22	,350 lbs.	(10,147 kg)
Turning radius:			(· · · · · · · · · · · · · · · · · · ·
Inside		89.0"	(226 cm)
Outside		179.0"	(455 cm)
Steering wheel turns:			· · · ·
Stop to stop			4 turns
Top travel speeds:			
Range 1	0—	3.1 mph	(0–5.0 kph)
Range 2	0-	5.6 mph	(0–9.0 kph)
Range 3			(0–25.6 kph)

Standard Equipment

ENGINE: Perkins 1004-4T 4 cylinder Horse power Torque (ft-lb.)	Turbo diesel 284 cu. in. (3982 cu. cm) 108 @ 2400 rpm 284 @ 1400 rpm
TRANSMISSION: Type Range	3-speed Powershift with inching 3 speeds forward and reverse
DRIVE AXLES: Front & Back Type	All wheel drive Planetary steering
BRAKES: Service Parking	4-wheel enclosed wet disc Disc, hand applied
TIRES: Front Rear	13.00 x 24, 12 ply 13.00 x 24, 12 ply
ELECTRICAL: Negative ground Alternator Battery Backup alarm	12 volts 65 amps 1000 amps 102 dBA audible



STEERING: 3 modes	2-wheel,	crab and o	coordinated
SYSTEMS CAPACITIE Cooling Crankcase Transmission Drive axle Planetary end (1 end Fuel tank Hydraulic system		24 qt. 9 qt. 28 qt. 15.2 qt. 1 qt. 36 gal. 26 gal.	(12.3 l) (.95 l)
HYDRAULIC SYSTEM Pump, variable displ		29 gpm	@ 2650 psi
GAUGES: Oil pressure Voltmeter	Water temperatu Transmission oil		Fuel level Hourmeter
INDICATORS/ACCESS Low pressure brake Frame level indicator Back up alarm Park brake light	(light)	Boom ang Horn	r restriction le indicator & seat belt Dil filter light



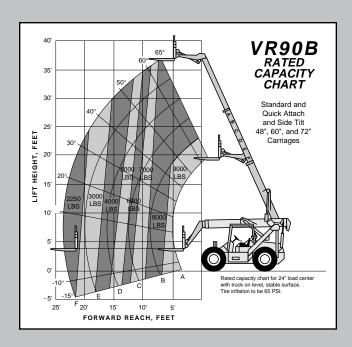
VR-90B Specifications

RATED LOAD CAPACITY

RAIED LOAD CAPACITY.		
Boom retracted		(4000 1)
(at max. angle)	9000 lbs.	(4082 kg)
Boom extended	0000 //	
(at max.angle)	8000 lbs.	(3628 kg)
Boom extended		(1000 km)
(at max. reach)	2250 lbs.	(1020 kg) 65°
Max. boom angle Side leveling		21%
Note: Capacities are to ASME	B56 6-02	21/0
	D00.0-92.	
BOOM:		
Boom type		3 stage
Boom angles	Up: 65°	Down: 15°
Extend speed		15.2 sec.
Retract speed		8.9 sec.
Boom raised		9.1 sec.
Boom lowered		12.6 sec.
Carriage tilt	Forward: 84°	Back: 28°
CARRIAGES:	0.0"	(5.00)
Pin diameter	2.0"	(5.08 cm)
Standard		bad backrest
Option		bad backrest
Option Option		th 6° side tilt
Option		th 6° side tilt
Option	12 001	
FORKS:		

Standard 2" x 5" x 48" floating pin Option 2" x 7" x 48" floating pin 2" x 7" x 60" floating pin Option 2" x 5" x 60" floating pin Option Option 2" x 1.5" x 45.5" block forks (set of 6)

OPERATING SPECIFICATIONS:		
Max. lift capacity	9000 lbs.	(4082 kg)
Max. lift height	37'	(9.40 m)
Max. forward reach		
(from front of tires)	21' 5"	(6.53 m)
Boom extension	19'	(5.79 m)
Max. vert. reach below grade	4' 11"	(1.50 m)
Max. reach at max. ht.		
(from front of tires)	4' 8"	(1.42 m)



Options

- 1.3 cu. yd. bucket
- All weather cab
- Windshield washer
- · Cab dome light
- Turn signals/4-way flashers
- · Front & rear headlights
- Outriggers
- Front & rear windshield wiper
- Wide carriage
- 12'/2,000 lb. truss boom
- Tilt carriage
 - Right hand front fender
 - Engine block heater · Auxiliary hydraulics
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