

TECHNICAL SPECIFICATIONS

FRAME	:18 guage" steel welded tub with heavy 3" sq. frame.
BODY	:Fiberglass body on Model 453TE :"18 guage": steel on the VA-6 & VA-618
STEERING	:Conventional with rack & pinion.
AXLES	:High quality steel, 1 1/4" dia.
TRACTION	:Positraction on all wheels.
SUSPENSION	:Flotation "Terra" low pressure (8 lb.) tires specially designed for Terra-Jet U.S.A. by NanKang.
TIRES	:26 x 12.00 - 12 (4 ply)
TRANSMISSION and	:Industrial type with two speed forward (low & high) one reverse. Oil capacity 2 qt. (2.28 liter) SAE 90 "gear oil".
TRANSMISSION RATIO	Low = 17:1 (453TE, VA-6, VA6T, B,D,VA-618) High = 7:1 (453TE & VA-6) High = 11:56:1 (VA-618) Reverse = 15:1 (453TE, VA-6 & VA-618)
CLUTCH	:centrifugal engagement with variable pulleys
BUOYANCY	:Shallow water (2') two feet deep or LESS!
BRAKES	:Enclosed disc to all wheels
FUEL TANK CAPACITY	:5.42 gal. (21.61 liters)
ELECTRIC SYSTEM	:12 volts with 30 amp Alt., & 50 amp battery
APPROX. SPEED	:453TE & VA-6 = 30 M.P.H. (48 Km/h). :VA-618 = 25 M.P.H. (37.5 Km/h).

GENERAL DIMENSIONS

Over-all length	:VA-618 = 132" (266.58 cm) :453TE & VA-6 = 100" (254 cm)
Over-all width	:55 1/2" (140.9 cm)
Wheel base	:63 3/8" (160.9 cm)
Rear track axle	:44" (111.7 cm)
Front track axle	:43" (109.2 cm)
Ground Pressure	:2.9 PSI (861.4 g S.I.)
Ground Clearance	:9" (228.62 mm)
Climbing Ability	:45w - 100%
Seating Capacity	:VA-618 - 5 :453TE & VA-6 - 3
Seats	:VA-618 - Front - 2 bucket seats, driver's seat adjustable with seat belt * (Opt.), one auxiliary seat with tool box. Rear - Two opposing folding, removable seats. :453TE & VA-6 - 2 bucket seats, driver's seat adjustable* with seat belt* and 1 auxiliary seat with tool box.
Maximum Pay Load	:VA-618 - 1,800 lbs. (816.48 Kg) :VA-6 & 453TE - 800 lbs. (364 Kg)
Maximum front axle load	:VA-618 - 600 lbs. (272.16Kg) :VA-6 & 453TE - 400 lbs. (182 Kg)
Maximum rear axle load	:VA-618 - 1,200 lbs. (544.32 Kg) :VA-6 & 453TE - 400 lbs. (182 Kg)
Maximum trailed load	:VA-618 - 3,000 lbs. (1,360.80 Kg) :VA-6 & 453TE - 2,000 lbs. (910 Kg)
Over-all Height	:59" (150 cm) with roll bar :41" (104 cm) without roll bar
Empty weight:	453TE = 985 lbs. (446.79 Kg) VA-6 = 1,050 lbs. (476.28 Kg) VA-618 = 1,300 lbs. (589.68 Kg)

ENGINES

453TE	:Tecumseh - OH160	- 4 cycle, 1 cyl. 16 H.P.
VA-6T	:Tecumseh - OH160	- 4 cycle, 1 cyl. 16 H.P.
VA-6B	:Briggs & Stratton	- 4 cycle, 2 cyl. 18 H.P.
VA-6D	:Wisconsin	- 4 cycle, 1 cyl. Diesel
VA-618K	:Kohler	- 4 cycle, 2 cyl. 19 H.P.
VA-618D	:Ruggerini	- 4 cycle, 2 cyl. 20 H.P.

ENGINE: OH 160 Tecumseh *"No longer available"™ 01-01-2000"*

Stroke	:4: Valve in head
Electrical System	:20 amp "solid state: alternator
Ignition System	:solid state magneto-capacitor discharge design with electronic retard
Cylinders	:1 cylinder - cast iron cyl. block
Cooling system	:air cooled
H.P./R.P.M.	:16/3,600 R.P.M.
Torque / R.P.M.	:25.0 ft. lbs. / 2,800 R.P.M.
Bore	:3 1/2" (88.90mm)
Stroke	:2 7/8: (73.02mm)
Displacement	:27.66 cu. in. (453.22cc)
Compression Ratio	:8.70:1
Spark Plug:Champion	L86C (gap 0.030)
Fuel Required	:Regular

ENGINE: IC 18 Briggs & Stratton - Horizontally opposed

Stroke	:4: valve in block
Electrical System	:15 amp "solid state" alternator
Ignition System	:magnetron ignition
Cylinders	:2 cylinders - cast iron sleeves
Cooling System	:air cooled
H.P./R.P.M.	:commercial 18/3,600 R.P.M.
Torque/R.P.M	:29.9 ft. lbs. / 2,500 R.P.M.
Bore	:3.00"
Stroke	:2.85"
Displacement	:42.34 cu. in. (694cc)
Compression Ratio	:7.0:1
Spark Plug:J12C Champion	
Fuel Required	:Regular

ENGINE: Wisconsin Diesel

Stroke	:4: Valve in head
Electrical System	:12 amp. generator
Ignition System	:magnetron ignition
Cylinders	:1 cylinder - cast iron sleeves
Cooling System	:air cooled
H.P./R.P.M.	:9.6/3,000 R.P.M.
Torque/R.P.M	:18.97 ft. lbs. / 1,800 R.P.M.
Bore	:3.307" (84mm)
Stroke	:3.071" (78mm)
Displacement	:26.36 cu. in. (432cc)
Compression Ratio	:17.5:1
Fuel Required	:Diesel

ENGINE: Kohler KT 19 - Horizontally opposed

Stroke	:4: valve in block
Electrical System	:15 amp charging system with rectifier
Ignition System	:Battery ignition with easily adjustable external breaker points

Cylinders	:2 cylinders - cast iron barrels
Cooling System	:air cooled
H.P./R.P.M.	:19/3,600 R.P.M.
Torque/R.P.M	:33.5 ft. lbs. / 2,200 R.P.M.
Bore	:3.12" (79.2mm)
Stroke	:3.06" (78mm)
Displacement	:46.98 cu. in. (769.8cc)
Compression Ratio	:6.7:1
Fuel Required	:Regular

ENGINE: Ruggerini - RD201 Diesel

Stroke	:4: Valve in head
Electrical System	:solid state alternator
Ignition System	:direct injection
Cylinders	:2 cylinders - in line vertical
Cooling System	:air cooled
H.P./R.P.M.	:18.5/3,600 R.P.M.
Torque/R.P.M	:30.5 ft. lbs. / 2,400 R.P.M.
Bore	:3.35" (85mm)
Stroke	:2.95" (75mm)
Displacement	:52 cu. in. (851cc)
Noise Level	:82D6. at 3,600 R.P.M.
Fuel Required	:Diesel

EQUIPMENT

Standard Equipment

Model 453TE: Windshield, hand brake, roll bar, seal beams with low and high beams, brake lights, seat belt, license plate light, hour meter, chrome baggage rack, electric starter, two standard seats and one auxiliary seat with tool box.
Model VA-618 & VA-6: Windshield, hand brake, roll bar, headlights, stop & tail lights, handgrips, seat belt, electric starter, two standard seats and one auxiliary seat with tool box. In addition VA-618 has two rear opposing, folding, removable seats.

Optional Equipment

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