

# NPS 300 4X4 SWA CREW

**ISUZU**  
TRUCKS  
For the long run

## ENGINE

|                    |                    |   |
|--------------------|--------------------|---|
| Model              |                    | 4HK1-TCN  |
| Type               |                    | TURBOCHARGED & INTERCOOLED                          |
| Fuel Injection     |                    | COMMON RAIL   |
| Emmision Standard  |                    | Euro 2  |
| No. of Cylinders   |                    | 4   |
| Bore x Stroke      | (mm)               | 115 x 125   |
| Displacement       | (cm <sup>3</sup> ) | 5 193   |
| Compression Ratio  | (:1)               | 18.5  |
| Output             | (kW @ r/min)       | 110 @ 2 600   |
| Output             | (hp @ r/min)       | 148 @ 2 600   |
| Torque             | (Nm @ r/min)       | 404 @ 1 500 - 2 600                                 |
| Filtration - Fuel: |                    | PRIMARY FILTER WITH WATER TRAP AND SECONDARY FILTER |
| Filtration - oil:  |                    | SINGLE  |

## CLUTCH

|                     |                    |                   |
|---------------------|--------------------|-------------------|
| Diameter            | (mm)               | 325               |
| Total Friction Area | (cm <sup>2</sup> ) | 966               |
| Operation           |                    | HYDRAULIC CONTROL |

## TRANSMISSION

|                     |      |                     |
|---------------------|------|---------------------|
| Make / Model        |      | MY5T                |
| Type                |      | 5 Speed synchromesh |
| Controls            |      | Manual Gearshift    |
| Crawler Gear Ratio  | (:1) | N/A                 |
| 1st Gear Ratio      | (:1) | 5.315               |
| 2nd Gear Ratio      | (:1) | 3.053               |
| 3rd Gear Ratio      | (:1) | 1.655               |
| 4th Gear Ratio      | (:1) | 1.000               |
| 5th Gear Ratio      | (:1) | 0.721               |
| Reverse Gear Ratio  | (:1) | 5.068               |
| Transfer Case Ratio |      | 1.842               |

## PERFORMANCE

|  |        |     |
|--|--------|-----|
| Maximum Speed ( Calculated )             | (km/h) | 104 |
| Gradeability @ V in 1st Gear (low range) | (%)    | 80  |

## SUSPENSION

|   |     |
|---|-----|
| <b>Front</b> : Multi Leaf Spring                        | YES |
| Stabiliser bar  | YES |
| Shock Absorbers - Double acting                         | YES |
| <b>Rear</b> : Multi Leaf Main Spring with Helper Spring | YES |
| Stabiliser bar  | NO  |
| Shock Absorbers - Double acting                         | YES |

## BRAKES

|                           |       |               |
|---------------------------|-------|---------------|
| System                    |       | VAC / HYD     |
| Park Brake                |       | TRANSMISSION  |
| Front                     |       | DRUM          |
| Rear                      |       | DRUM          |
| ABS                       |       | N/A           |
| ASR                       |       | N/A           |
| Auxillary                 |       | EXHAUST BRAKE |
| Total Friction Area Front | (cm2) | 921.6         |
| Total Friction Area Rear  | (cm2) | 1340          |

## STEERING

|                     |      |           |
|---------------------|------|-----------|
| Operation           |      | POWER     |
| Ratio               | (:1) | 18.8-20.9 |
| Adjustable Steering |      | YES       |

## CAB

|                                       |  |         |
|---------------------------------------|--|---------|
| Control                               |  | FORWARD |
| Adjustable Drives Seat                |  | YES     |
| Air Suspension Drive Seat             |  | NO      |
| Fixed Assistants Seat and Centre Seat |  | YES     |
| Heater and Demister                   |  | YES     |
| Cigarette Lighter (24V)               |  | YES     |
| Tilt                                  |  | NO      |
| Tilt Torsion Bar Assistance           |  | NO      |

## WHEELS & TYRES

|                           |  |         |
|---------------------------|--|---------|
| Type                      |  | RADIAL  |
| Tubeless single piece rim |  | YES     |
| Tyre Size (Front)         |  | 10R17.5 |
| Tyre Size (Rear)          |  | 10R17.5 |
| Wheel Size (Front)        |  | 7.5     |
| Wheel Size (Rear)         |  | 7.5     |
| No. of Studs              |  | 6       |

## FUEL TANK (Lockable)

|                        |          |     |
|------------------------|----------|-----|
| Capacity               | (Litres) | 100 |
| Lockable Fuel Tank Cap |          | YES |

## FRONT AXLE

|                                 |  |       |
|---------------------------------|--|-------|
| Model                           |  | FD028 |
| Full Floating Axle Control Type |  | Yes   |

## REAR AXLE

|   |      |       |
|---|------|-------|
| Model   |      | F320  |
| Type : Single banjo, Full Floating, Integral Shaft & Drive Flange |      | Yes   |
| Final Drive Ratio   | (:1) | 5.125 |

## ELECTRICAL SYSTEM

|                |     |              |
|----------------|-----|--------------|
| System Voltage | (V) | 24           |
| Alternator     | Amp | 50           |
| Starter Motor  | kW  | 4            |
| Batteries      |     | 2 X 12V 70Ah |

## AIR INTAKE

|                      |  |             |
|----------------------|--|-------------|
| Intake               |  | RR Vertical |
| Primary Air Filter   |  | YES         |
| Secondary Air Filter |  | NO          |
| Make:                |  | DONALDSON   |
| Service Indicator    |  | NO          |

| <b>DIMENSIONS</b>                      |   | <b>(mm)</b>              |
|--|---|--------------------------|
| OL – Overall Length                    |   | 5 985                    |
| OW – Overall Width                     |   | 1 995                    |
| OH – Overall Height                    |   | 2 480                    |
| WB – Wheelbase                         |   | 3 395                    |
| FOH – Front Overhang                   |   | 1 110                    |
| ROH – Rear Overhang                    |   | 1 510                    |
| BW – Rear Axle Width                   |   | 2 040                    |
| FT – Front Track                       |   | 1 786                    |
| RT – Rear Track                        |   | 1 786                    |
| EH – Chassis Rear End Height           |   | 1 000                    |
| CWF - Front Chassis Width              |   | 850                      |
| CWR – Rear Chassis Width               |   | 850                      |
| HH – Rear Ground Clearance             |   | 235                      |
| CE – Cab to Chassis End                |   | 3 301                    |
| CA – Cab to Axle                       |   | 1 791                    |
| GP – Minimum Body Gap                  |   | 225                      |
| Turning Circle (curb to curb)          |   | 12.36                    |
| <b>MASS DATA</b>                       |   | <b>(kg)</b>              |
| Manufacturer's GVM                     |   | 6 200                    |
| Permissible Gross Mass (V)             |   | 6 200                    |
| Manufacturer's GCM                     |   | 9 500                    |
| Permissible Combination Mass (D/T)     |   | 9 500                    |
| Front Axle Tare Mass                   |   | 2 020                    |
| Rear Axle Tare Mass                    |   | 1 000                    |
| Total Tare Mass                        |   | 3 020                    |
| Gross Axle Mass Load - Front (GA1)     |   | 2 800                    |
| Gross Axle Mass Load - Rear (GA2)      |   | 6 600                    |
| Permissible Axle Load - Front (A1)     |   | 2 800                    |
| Permissible Axle Load - Rear (A2)      |   | 4 240                    |
| Tyre Capacity - Front                  |   | 4 240                    |
| Tyre Capacity - Rear                   |   | 4 240                    |
| Approx. Body & Payload                 |   | 3 180                    |
| Approach Angle (4x4 Specific)          |   | 31.8°                    |
| Break-over Angle (4x4 Specific)        |   | 148.8°                   |
| Departure Angle (4x4 Specific)         |   | 24.5°                    |
| <b>WARRANTY</b>                        |   |                          |
| New Vehicle                            |   | 24 MONTHS / UNLIMITED KM |
| Cab Corrosion                          |   | 36 MONTHS / UNLIMITED KM |
| <b>OPTIONAL</b>                        |   |                          |
| Aircon                                 |   | AVAILABLE                |
| PTO Fail Safe system                   | Compulsary fitment to any operation that requires a PTO |                          |
| Radio / CD / (24V)                     |   | AVAILABLE                |
| Techo Graph                            |   | AVAILABLE                |
| <b>MISCELLANEOUS EQUIPMENT</b>         |   |                          |
| Jack, warning triangle, basic tool kit |   | YES                      |
| Owners handbook & service hand booklet |   | YES                      |
| Rear Chevron board                     |   | YES                      |

Specifications correct at time of publish. E & OE.

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