

**BID2014-09 TWO (2)DOOSAN TOW BBEHIND DIESEL AIR COMPRESSOR MODEL P185WJD T41 CFM OR EQUIVALENT
 BID OPENING DATE: FEBRUARY 6, 2014 AT 11:00AM**

TERM OF CONTRACT: ONE YEAR		
NUMBER OF RESPONDENTS:	2	
NAME OF BIDDER	UNITED RENTALS (NORTH AMERICA) INC.	PENN JERSEY MACHINERY
ADDRESS	190 E. NINTH AVENUE	9601 BOGGY CREEK ROAD
CITY, STATE, ZIP	RUNNEMEDE, NEW JERSEY 08078	ORLANDO, FLORIDA 32824
CONTACT NAME	SCOTT RAVENELLE	NICK SCHNEIDER
TELEPHONE	856-933-2470	908-218-1919
FAX	856-933-2405	908-218-9674
E-MAIL	SRAVENEL@UR.COM	NSCHNEIDER@PJMVOLVO.COM
STOCKHOLDER DISCLOSURE STATEMENT	INCLUDED	INCLUDED
REQUIRED EVIDENCE EEO/AFFIRMATIVE ACTION REGULATIONS QUESTIONAIRE	INCLUDED	INCLUDED
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA	INCLUDED	INCLUDED
NJ BUSINESS REGISTRATION CERTIFICATE	INCLUDED	INCLUDED
NON-COLLUSION AFFADAVIT	INCLUDED	INCLUDED
AFFIRMATIVE ACTION STATEMENT	INCLUDED	INCLUDED
AMERICANS WITH DISABILITIES ACT OF 1990 LANGUAGE	INCLUDED	INCLUDED
CERTIFICATION AND DISCLOSURE OF POLITICAL CONTRIBUTIONS	INCLUDED	INCLUDED
DISCLOSURE OF INVESTED ACTIVITIES IN IRAN	INCLUDED	INCLUDED
EIC	CERT.#46867 EXP.1/15/2014	NEEDED PRIOR TO AWARD
60-DAY EXTENSION COMPLIANCE	YES	YES
EXCEPTIONS (IF ANY)	NONE	MODEL IS EQUIVALENT (SEE ATTACHED)
CERTIFICATE OF INSURANCE	NEEDED PRIOR TO AWARD	NEEDED PRIOR TO AWARD
W-9	INCLUDED \$23,840.00	INCLUDED
TOTAL UNIT PRICE	DOOSAN TOW BEHIND DIESEL AIR COMPRESSOR MODEL P185WJD T4I 185 CFM	\$24,795.00 MODEL P185WDZ T4F 185CFM
TOTAL AMOUNT FOR TWO (2)	\$47,680.00 (SEE ATTACHED BREAK-DOWN OF PRICING)	\$49,590.00 (SEE ATTACHED BREAK-DOWN OF PRICING)
FATAL FLAW	NONE	NONE

BASE MODEL WITH STANDARD FEATURES

COST

Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM	18,213. ⁰⁰
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FACTORY OPTIONS

COST

<ul style="list-style-type: none"> Instruments & Control Option: Full gauge instrument panel option with Fuel level gauge, tachometer, voltmeter, engine oil pressure, engine coolant temperature & discharge air temperature and gage and control illumination 	
<ul style="list-style-type: none"> Instrument & Control Option: Keyed ignition with 2 keys 	
<ul style="list-style-type: none"> Towing Option: Long drawbar (85") with three adjustable heights 	
<ul style="list-style-type: none"> Double hose reel 50' capacity for 3/4" (19mm) ID hose inclusive of standard OSHA valve (s), and 3/4" globe type service valves. Hoses 50' (15.2m) installed on reel 	
<ul style="list-style-type: none"> Mounted Line oiler - Size 2 quart (1.90L) mounted in-line with minimum pressure valve Spare tire shipped loose 	
<ul style="list-style-type: none"> 1000 CCA battery. 	
<ul style="list-style-type: none"> Rear bumper. 	
<ul style="list-style-type: none"> Pad foot instead of caster wheel. 	
<ul style="list-style-type: none"> Engine block heater (110volt/1ph/60hz). 	
<ul style="list-style-type: none"> Key lock side doors with 2 keys. 	
SUB-TOTAL (FACTORY OPTIONS INSTALLED) >>	\$ 18,213. ⁰⁰

2013/2014 DOOSAN TOW BEHIND DIESEL AIR COMPRESSOR TOTAL UNIT PRICE TALLY:

2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM - Base Price >>	\$ 18,213. ⁰⁰
Factory Options Sub Total >>	\$ 5,627. ⁰⁰
2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM - Total Unit Price per Compressor Complete >>	\$ 23,840. ⁰⁰

2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM

PROPOSAL

The undersigned proposes to furnish, install and deliver (F.O.B. with price for goods including the delivery with no extra freight charge line item) to the Trenton Water Works Yard at 333 Courtland St, Trenton, NJ.

#	Material Description	Unit	Qty	Unit Price	Total Price
1	2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM	Each	2	\$ 23,840	\$ 47,680
Grand Total >>					\$ 47,680 ⁰⁰

Date: February 4, 2014

Submitted by:

(Company Name) United Rentals (North America), Inc. Incorporated in State of Delaware

(Signature)

(Printed Name) Scott Ravenelle, Branch Manager

(Person to Contact, Please Print) Scott Ravenelle

(Telephone) 856-933-2470

NOTE (1): Delivery time for Air Compressors as specified shall be within 6 months from the date of the award.

P185 T4I is no longer Available

BASE MODEL WITH STANDARD FEATURES	COST
Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM P185WJZ T4I 185CFM	20,750

FACTORY OPTIONS	COST
• Instruments & Control Option: Full gauge instrument panel option with Fuel level gauge, tachometer, voltmeter, engine oil pressure, engine coolant temperature & discharge air temperature and gage and control illumination	215.00
• Instrument & Control Option: Keyed ignition with 2 keys	N/A
• Towing Option: Long drawbar (85") with three adjustable heights	1,100.00
• Double hose reel 50' capacity for 3/4" (19mm) ID hose inclusive of standard OSHA valve (s), and 3/4" globe type service valves.	1,375.00
• Hoses 50' (15.2m) installed on reel	85.00 EA
• Mounted Line oiler - Size 2 quart (1.90L) mounted in-line with minimum pressure valve	500.00
• Spare tire shipped loose	270.00
• 1000 CCA battery.	45.00
• Rear bumper.	175.00
• Pad foot instead of caster wheel.	40.00
• Engine block heater (110volt/1ph/60hz).	200.00
• Key lock side doors with 2 keys.	40.00
SUB-TOTAL (FACTORY OPTIONS INSTALLED) >>	\$ 4,045

2013/2014 DOOSAN TOW BEHIND DIESEL AIR COMPRESSOR TOTAL UNIT PRICE TALLY:

2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM - Base Price >>	\$ 20,750
Factory Options Sub Total >>	\$ 4,045
2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM - Total Unit Price per Compressor Complete >>	\$ 24,795

2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM

PROPOSAL

The undersigned proposes to furnish, install and deliver (F.O.B. with price for goods including the delivery with no extra freight charge line item) to the Trenton Water Works Yard at 333 Courtland St, Trenton, NJ.

#	Material Description	Unit	Qty	Unit Price	Total Price
1	2013/2014 Doosan Tow behind Diesel Air Compressor Model P185WJD T4I 185 CFM	Each	2	\$ 24,795	\$ 49,590
Grand Total >>					\$ 49,590

Date: 1/23/14

Submitted by: Nick Schneider

(Company Name) Penn Jersey Machinery

(Signature) 

(Printed Name) Nick Schneider

(Person to Contact, Please Print) Nick Schneider

(Telephone) 908-218-1919

NOTE (1): Delivery time for Air Compressors as specified shall be within 6 months from the date of the award.

Schneider, Nick

Due to 2014 EPA changes the P185WJD T4i is no longer available it has transitioned to a P185WDZ T4F which has the Tier 4 Final Engine. Air out put wise nothing has changed it still gives you 185 CFM @ 100 PSI the engine just now has a intergraded DPF filter to meet the new Air emission laws. A bid spec is attached.



BID SPECIFICATIONS: P185WDZ T4F

MANUFACTURER	DOOSAN INFRACORE PORTABLE POWER
BRAND	DOOSAN
MODEL	P185WDZ
ENGINE	TIER 4F
Make	DEUTZ
Model	D2.9 L4
# of Cylinders	4
Cylinder Bore(in/mm)	3.622 / 92
Cylinder Stroke (in/mm)	4.331 / 110
Displacement (cu in/l)	177 / 2.9
Rated Speed (rpm)	2600
Idle Speed (rpm)	1700
BHP @ Rated Speed	48.8
Fuel/Cooling	DIESEL/WATER
Electrical Voltage	12
Engine Oil Capacity (US Quarts/Liters)	8.5 / 8
Radiator Coolant Capacity (US Gal/Liters)	2.72 / 10.3
Altitude Capability (Feet/Meters)	10,000 / 3,048
Fuel (GPH/LPH):	
75% Load	2.5 / 9.5 est
100% Load	2.7 / 10.2
Fuel Tank Capacity (gal/l)	27 / 102
Min Operating Time (Hours)	10.0
COMPRESSOR	
Type	ROTARY SCREW – SINGLE STAGE
Free-Air Delivery (cfm/l-sec)	185 / 5.24
Rated Operating Press (psig/bar)	100 / 6.9
Pressure Range (psig/bar)	80 to 125 / 5.5 to 8.6
Air Discharge Outlet Size (in/mm)	0.75 / 19.0
Air Discharge Outlet Quantity	2
Separator Tank Volume (US Gal/Litres)	6.0 / 23
Oil Capacity (US Gal/Litres)	2.25 / 8.5
DIMENSIONS W/RUNNING GEAR	
Overall Length (in/mm)	137.7 / 3498
Overall Width (in/mm)	68.48 / 1739
Overall Height (in/mm); add 5.25" exh pipe	62.27 / 1582
Track Width (in/mm)	59 / 1499
Tire Size	15"
Shipping Weight (lb/kg) no fuel	2,329 / 1056
Working Weight (lb/kg) with fuel	2,473 / 1122
DIMENSIONS WITHOUT RUNNING GEAR	
Overall Length (in/mm)	87.91 / 2233
Overall Width (in/mm)	49.63 / 1261
Overall Height (in/mm); add 5.25" for exhaust pipe	54.32 / 1380
Shipping Weight (lb/kg) no fuel	2,124 / 986
Working Weight (lb/kg) with fuel	2,318 / 1051



BID SPECIFICATIONS: P185WDZ T4F

STANDARD FEATURES

PACKAGE

- Instrument and control panel with lockable door, front mounted.
- Shock mounted engine and compressor.
- Lockable side doors with pneumatic lift springs and no-rust aluminum hinges.
- Rear access panel for cleaning heat exchangers.
- Heavy-duty independent rubber torsion suspension axle with high ground clearance and 15" wheels.
- E-Z lube axle-bearing fittings.
- Detachable drawbar.
- Drawbar with safety chains and hooks.
- 3 position adjustable height hitch-pintle eye type; (3" inside diameter).
- Retractable heavy-duty screw jack with caster wheel.
- Removable resilient polyethylene fenders.
- Enclosure 14-gauge galvanized sheet metal with durable textured paint.
- Trailer running gear, 2 tail lights for running, brake, and turn signals; plus 4-wire cable, side marker lights, reflectors, and license plate light to comply with US DOT/Federal MVSS 49CFR571.
- Durable composite material end panels.
- Single point, external lifting bail.
- Large interior tool box (63" long x 10" wide x 17" deep).
- Engine mounted pusher fan (cool box).
- Rain cap exhaust.
- The air service valves shall be (2) 3/4" (1/4turn).

COMPRESSOR

- The compressor type shall be a single stage, oil flooded, asymmetrical rotary screw.
- Two-stage, heavy duty, dry type air cleaner with replaceable element located inside the enclosure.
- 25-micron spin-on oil filter element.
- Oil separation system: Two-stage system with remote, no-spill, spin-on separator element and vertical tank with sight gauge and over-fill protection.
- Air-to-oil finned tube oil cooler.
- Engine direct driven flexible coupling.
- Two-year or 4000 hour warranty.

SAFETY

- Starter protection prevents engagement while alternator is turning.
- Automatic safety shutdowns: high discharge air temperature, low engine oil pressure, high engine coolant temperature, and low engine speed.
- Manual and automatic blowdown valves.
- Minimum pressure device.
- ASME safety relief valve.
- Fan guard meets OSHA requirements.
- Towing safety chains with safety hooks.
- Trailer and lighting complies with US DOT/Federal MVSS 49CFR571.
- Operating and maintenance manuals.
- Operating and safety decals.



BID SPECIFICATIONS: P185WDZ T4F

ENGINE

- Two-stage, heavy duty, dry type air cleaner with replaceable element located inside the enclosure.
- Oil drain access cover.
- Glow-plug preheat system for cold weather starting.
- Fuel/water separator with electronic detection and fault code.
- Electric starting system with 700 CCA battery.

PERFORMANCE

- The free air delivery shall be 185 cfm (5.24 M³/min).
- The rated operating pressure shall be 100 psig (6.89 bar).
- The pressure range shall be 80-125 psig (5.6-8.6 bar).
- The regulation system shall be 100% stepless.

INSTRUMENT AND CONTROLS

- Large 5" LED lighted pressure gauge and CAN driven digital function interface display within the control panel that displays:
 - Engine RPM (Default Screen)
 - Ambient Temperature
 - Aired Temperature
 - Separator Tank Temperature
 - Coolant Temperature
 - Manifold Temperature
 - Percent Load
 - Engine Target RPM
 - Manifold Pressure
 - Engine Oil Pressure
 - Regulation System Pressure
 - Ambient Pressure
 - Battery Voltage
 - Diagnostic fault codes with text for trouble shooting
 - Fuel Level Percentage Option (Becomes Default Screen when fuel sender is plugged in)
- LED lighted power button.
- Hour meter
- Electronic micro-processor in a NEMA 6 enclosure with interface for maintenance fault code read out.
- Rubberized button interface that controls engine crank with oil pressure by-pass, engine stop, high/low pressure selection, service air, and digital screen enter key.
- Convenient start-up controls with unloaded warm up and push-button starting

FACTORY INSTALLED OPTIONAL FEATURES

INSTRUMENT AND CONTROLS

- Fuel level display with low fuel level shutdown
- Air/oil separator element service indicator (on separator tank).



BID SPECIFICATIONS: P185WDZ T4F

TOWING OPTIONS

- 2" or 2-5/16" ball coupler.
- Long drawbar (85").
- 8-position adjustable height hitch (19" to 33", 2" increments).
- Electric brakes; with or without parking brake, Hydraulic brakes; with or without parking brake, or Parking brake only.
- Towing lights - four tail lights with reflectors.

MISCELLANEOUS OPTIONS--FACTORY INSTALLED

- Hose reel - 100' capacity for 3/4" (19mm) ID hose, single **OR** double reel with OSHA valve (s), and 3/4" globe type service valves. Plus two extra 3/4"(19mm), 1/4 turn service valves on reel base.
- Hoses 50' (15.2m) or 100' (30.5m) either installed on reel or shipped loose.
- Hose bracket mounted on drawbar; holds up to 100'x3/4" hose.
- 2 quart line oiler; shipped loose or will be mounted if ordered with hose reel.
- Minimum pressure valve.
- Less running gear (less axle, fenders, wheels, and drawbar).
- Spare tire shipped loose.
- Spare tire mounted if space available on the long drawbar (85")
- Central drains (running gear and less running gear).
- Spark arrestor.
- 1000 CCA battery.
- Additional service outlets.
- Rear bumper.
- Mud flap on each fender.
- Rear stabilizer screw jack with padfoot.
- Pad foot or pneumatic wheel instead of caster wheel.
- OSHA valves(must be sized for cfm of the air-consuming device).
- Engine block heater (110volt/1ph/60hz).
- Air filter safety element (three stage filtration).
- Fuel tank strainer
- Fuel tank drain
- Locking fuel fill (lock not included).
- Key lock side doors with 2 keys.
- Special paint - lead free only (requires DuPont paint number for Elite®)
- Amber roof light; revolving or strobe.
- Extra manuals



BID SPECIFICATIONS: P185WDZ T4F

*SPECIFICATIONS WITH COMMON OPTIONS**

TYPE:

- Self contained, fully enclosed, diesel engine driven, heavy duty portable air compressor mounted on a two-wheel trailer with a minimum rated capacity of 185 cfm, free air delivery, at 100 psi. The rated pressure shall be measured after oil separation.

GENERAL:

- The equipment shall be a standard product of the manufacturer. The compressor unit shall meet the US/EPA noise level regulations of 76 dBa at 7 meters.
- The manufacturer shall have local parts and service facilities capable of complete machine overhaul, ensuring minimum down time. Additionally, the compressor manufacturer shall have a flexible airend repair program: i.e., parts and training may be obtained to make repairs, or the airend may be exchanged for a new or remanufactured unit. The equipment shall adhere to the specifications contained herein.

ENGINE:

- The diesel engine shall be an industrial water-cooled four cylinder, with an intermittent rating of no more than 49 SAE brake horsepower, at 2600 rpm.
- The engine shall have a glow-plug preheat system.
- The engine shall have a 12 volt electrical system and the battery shall have a minimum rating of [700]¹ cold cranking amps in accordance with SAE J537 specifications for a 30 second test.
- A dedicated heavy duty, two stage, dry type air cleaner, with replaceable element and an automatic filter maintenance indicator, shall be used to filter intake air.
- The fuel system shall include a no-rust polyethylene fuel tank with a minimum capacity of 27 gallons, a fuel/water separator, and a replaceable fuel filter.
- The engine oil drain shall have an access cover.

COMPRESSOR AIREND:

- The compressor airend shall be an oil flooded rotary screw type with asymmetrical rotor profiles incorporating tapered roller thrust bearings.
- The airend shall be driven through a flexible coupling to isolate engine and compressor vibrations. The engine flywheel shall direct drive the coupling.
- An inlet unloader valve shall be used to provide stepless engine speed control to match demand.
- A dedicated heavy duty, two stage, dry type air cleaner, with replaceable element and automatic filter maintenance indicator, shall be used to filter intake air.

COOLING SYSTEM:

- The engine and airend heat exchangers shall be finned tube type coolers arranged in a side-by-side configuration for easy cleaning. Access panel shall be on the rear enclosure for cleaning accessibility.
- The cooling air fan shall be engine mounted, drawing cool air through the compressor unit before entering the heat exchangers to maintain internal package temperatures of no more than 20 degrees F above that of the ambient.
- The radiator fill shall be easily accessible for routine maintenance and protected by a cover.

¹ 1000 CCA battery option available



BID SPECIFICATIONS: P185WDZ T4F

COMPRESSOR OIL SYSTEM:

- The compressor oil system shall incorporate a vertical separator tank, a temperature bypass valve, an oil cooler, and a 25-micron spin-on oil filter. The separator tank shall meet ASME Section VIII code requirements, have a minimum volume of 6 gallons(23L), and include an oil level sight gauge and over-fill protection.
- Second-stage air/oil separation shall utilize a remote, no-spill, spin-on oil coalescing separator element.

TRAILER:

- The trailer shall be a two-wheel design using heavy duty independent rubber torsion suspension running gear with 15" tires, high ground clearance, [E-Z Lube axle bearing fittings]², and a track width of no less than 59"(1.5m). The trailer shall be of welded steel construction and include a replaceable, bolt-on drawbar with [three position hitch]³, safety chains with hooks, [screw jack with caster wheel]⁴, resilient polyethylene bolt-on fenders, rear reflectors, towing lights, side marker lights, and lighted license plate bracket.⁵
- Trailer and lighting to comply with US DOT/Federal MVSS 49CFR571.
- The engine and airend shall be rubber mounted directly to the trailer to minimize vibration.
- An external, single point, lifting bail capable of lifting the complete unit shall be included.

ENCLOSURE:

- A 14-gauge (.075"/1.91mm) galvanized sheet metal housing with durable composite material end panels shall fully enclose the compressor unit providing protection as well as noise attenuation. Enclosure shall be protected by durable textured paint.
- A dedicated tool storage area with a minimum depth of 17"(.43m), minimum width of 10"(.25m), and length of 63"(1.6m), shall be incorporated within the enclosure.
- Access for routine maintenance and tool storage shall be provided through large side doors.
- These doors shall be lockable and equipped with no-rust aluminum hinges and pneumatic lift springs.

INSTRUMENTS & CONTROLS:

- The instruments and controls shall be clearly labeled and located on the front of the unit, accessible without opening the main side doors, and protected with a separate unobstructed lockable door.
- Engine starting shall be achieved using a push button that includes engine oil pressure bypass and unloaded warm-up/start run..
- An electronic micro-processor control interface system shall provide digital data on operation, control, warning, and fault signal diagnosis of the compressor and engine. The system shall be in a NEMA 6 enclosure.
- The instrument panel shall include the following LED lighted function displays: hourmeter, tachometer, discharge air pressure, discharge air temp, engine oil pressure, engine coolant temp, optional low fuel level and shutdown, and all safety shutdowns.
- Diagnostic fault codes with text explanation shall indicate alternator charge malfunction warning, optional low fuel level shutdown, and all safety shutdowns.
- Multiple fault codes with text support shall be available for trouble shooting.

² Optional electric brake or hydraulic brake axle configurations available

³ Optional 8 position adjustable height hitch (19" to 33" in 2" increments) available

⁴ Optional pneumatic wheel or pad foot screw jack available

⁵ Optional rear bumper (with or without rear stabilizer screw jack) available



BID SPECIFICATIONS: P185WDZ T4F

SAFETY FEATURES:

- The compressor unit shall incorporate the following features to ensure operator safety and to protect the equipment: fan guards meeting OSHA recommendations, operating and maintenance manuals, operating and safety decals in accordance with ANSI Z535.4-1996, automatic and manual blowdown valves, an ASME approved pressure relief valve on the oil separator tank, a starter protection system to prevent cranking of the engine starter when the alternator is turning, safety shutdown devices in case of high compressor discharge air temperature, low engine oil pressure, high engine coolant temperature, low fuel level (if optional fuel level gauge is included), and low engine speed.

WARRANTY⁶:

- The air compressor package shall be warranted to be free of defects in material and workmanship on all components for a period of one year or 2000 operating hours, whichever occurs first. Engine, tires and battery carry the manufacturer's warranty. The airend shall be warranted for two years or 4000 hours, whichever occurs first.

⁶ Optional five year / 10,000 hour extended powertrain warranty available (see sales representative for details)