

**DOOSAN****Portable Power****FLORIDA SHERIFFS****CONTRACT****AIR COMPRESSOR FSA SPECIFICATION # 70****AUG 26- 2020****VERSION 1.0****P185WDO-T4F****STANDARD UNIT****46696596****LIST  
36% OFF LIST****\$32,822  
\$21,006****PRICE INCLUDES FREIGHT TO FL  
BASE MODEL****STANDARD OPTIONS**

|          |  |
|----------|--|
| 46696579 | SEPARATION, STANDARD                               |
| 46696562 | CHAINS, SAFETY STANDARD                            |
| 46696570 | JACK, STANDARD                                     |
| 46696571 | RUNNING GEAR, STANDARD AXLE NO BRAKES              |
| 46696569 | AIREND, DSN100 GEAR DRIVE                          |
| 46696574 | BATTERY, 700 CCA                                   |
| 46696575 | CONTROLS, STANDARD PANEL                           |
| 46696577 | ENCLOSURE, STANDARD BEIGE                          |
| 46696581 | LIGHTS, 2 LIGHT COMBO 4 PIN FLAT CONNECTOR         |
| 46696584 | FUEL, STANDARD                                     |
| 46696587 | AIR FILTERS, STANDARD                              |
| 46696594 | HITCH, 3 INCH PINTLE EYE                           |
| 46696595 | WHEEL AND TIRE, 5 LUG 4.50 B.C. WHEEL ST205/75/R15 |
| 46696586 | SERVICE AIR, 2X .75 INCH Y-VALVE W/ SONIC ORIFICE  |
| 46696593 | COOLING PACKAGE                                    |
| 46696599 | FRAME, STANDARD                                    |
| 46696601 | EXHAUST, STANDARD RAIN CAP                         |
| 46696598 | DRAWBAR, STANDARD SHIP UP                          |
| 46696603 | BRANDING, STANDARD                                 |
| 46696606 | LITERATURE, ENGLISH                                |

**FACTORY INSTALLED OPTIONS****LIST 36% OFF LIST**

|          |  |         |         |
|----------|--|---------|---------|
| 46760665 | SEPARATION, WITH FILTER INDICATOR  | \$178   | \$114   |
| 46726990 | LESS CHAINS<br><small>LRG OPTIONS REQUIRED.</small>  | \$0     | \$0     |
| 46743314 | CHAINS, SAFETY 3/8" GRADE 80 67 INCHES LONG<br><small>ONLY COMPATIBLE WITH HYDRAULIC BRAKES</small>                                  | \$457   | \$292   |
| 46732901 | LESS JACK<br><small>LRG OPTIONS REQUIRED.</small>  | -\$43   | -\$28   |
| 46724483 | LESS RUNNING GEAR<br><small>REQUIRES CENTRAL DRAINS, LESS DRAWBAR, LESS JACK, LESS CHAINS, LESS HITCH, LESS WHEELS AND TIRES</small> | \$0     | \$0     |
| 46731085 | RUNNING REAR, STD AXLE W/ ELEC BRAKES AND 7 PIN RV CONNECTOR<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION.</small>          | \$532   | \$340   |
| 46739325 | RUNNING GEAR, HEAVY DUTY AXLE EZ-LUBE NO BRAKE W/ 7 PIN RV<br><small>REQUIRES 6 LUG TIRE</small>                                     | \$468   | \$300   |
| 46740286 | RUNNING GEAR, HEAVY DUTY AXLE EZ-LUBE ELEC BRAKE W/ 7 PIN RV<br><small>REQUIRES 6 LUG TIRE</small>                                   | \$952   | \$609   |
| 46748025 | RUNNING GEAR, HD EZ-LUBE ELEC AND PARK BRAKES W/ 7 PIN RV<br><small>REQUIRES 6 LUG TIRE</small>                                      | \$1,432 | \$916   |
| 46748026 | RUNNING GEAR, STD AXLE W/ ELEC AND PARK BRAKES AND 7 PIN RV<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION.</small>           | \$1,047 | \$670   |
| 46751628 | RUNNING GEAR, HD AXLE WITH HYDRAULIC SURGE AND PARK BRAKES<br><small>REQUIRES 6 LUG TIRE. REQUIRES DRAWBAR SHIP DOWN.</small>        | \$2,733 | \$1,749 |
| 46770585 | LESS RUNNING GEAR, SHOCK MOUNTS<br><small>LRG OPTIONS REQUIRED. REQUIRES CENTRAL DRAINS</small>                                      | \$583   | \$373   |
| 46775325 | RUNNING GEAR, STANDARD AXLE NO BRAKES W/ 7 PIN RV<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION.</small>                     | \$163   | \$104   |
| 46722847 | LITERATURE, ENGLISH 1 PRINTED SET  | \$68    | \$44    |

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## FACTORY INSTALLED OPTIONS

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|          |   |         |         |
|----------|---|---------|---------|
| 46722848 | LITERATURE, ENGLISH 2 PRINTED SETS  | \$135   | \$86    |
| 46733806 | LOJACK  | \$452   | \$289   |
| 46733826 | HEATER, ENGINE BLOCK  | \$240   | \$154   |
| 46739846 | VALVE, 2X OSHA P185   | \$228   | \$146   |
| 46740251 | TELEMATICS SYSTEM, M8H2T-E DOOSAN   | \$1,628 | \$1,042 |
| 46740965 | VALVE, SWING CHECK WITH Y-VALVE<br><small>NOT COMPATIBLE WITH HOSE REELS</small>  | \$125   | \$80    |
| 46743305 | OILER, 2 QT<br><small>NOT COMPATIBLE WITH HANNAY HOSE REEL /REQUIRES SERVICE AIR WITH MPCV OR HOSE REEL OPTIONS.</small>  | \$785   | \$502   |
| 46743306 | MUD FLAPS<br><small>NOT COMPATIBLE WITH LRG.</small>  | \$87    | \$56    |
| 46743307 | STRAINER, FUEL  | \$27    | \$17    |
| 46743317 | ROOF LIGHT, AMBER STROBE  | \$650   | \$416   |
| 46743565 | ROOF LIGHT, REVOLVING AMBER   | \$310   | \$198   |
| 46747586 | CENTRAL DRAINS, WITH AND WITHOUT RUNNING GEAR   | \$417   | \$267   |
| 46747587 | HEATERS, REGULATION AND ENGINE BLOCK<br><small>NOT COMPATIBLE WITH BLOCK HEATER.</small>  | \$480   | \$307   |
| 46747589 | CABLE, 7-PIN RV CONNECTION EXTENSION  | \$183   | \$117   |
| 46748027 | KEYLOCK DOORS   | \$43    | \$28    |
| 46751005 | DRAIN, FUEL TANK  | \$225   | \$144   |
| 46751006 | MOUNTED SPARE TIRE, 6 LUG WHEEL AND 225/75/R15 RADIAL TIRE<br><small>REQUIRES DRAWBAR SHIP DOWN / NOT COMPATIBLE WITH HOSE REELS / REQUIRES HEAVY DUTY AXLE</small> | \$292   | \$187   |
| 46751626 | CABLE, 4-PIN FLAT CONNECTION EXTENSION<br><small>ONLY COMPATIBLE WITH THE 4 PIN FLAT CONNECTOR TRAILER HARNESS.</small>   | \$42    | \$27    |
| 46757033 | RESTRICTION INDICATORS, AIR FILTER ELECTRONIC   | \$60    | \$38    |
| 46726991 | BATTERY, 1000 CCA   | \$82    | \$52    |
| 46739848 | CONTROLS, FULL PANEL WITH FUEL SENDER   | \$270   | \$173   |
| 46751625 | ENCLOSURE, EXTENDED FRAME BEIGE<br><small>REQUIRES HEAVY DUTY EXTENDED FRAME</small>  | \$0     | \$0     |
| 46770589 | ENCLOSURE, SPECIAL PAINT<br><small>NOT COMPATIBLE WITH HEAVY DUTY EXTENDED FRAME</small>  | \$2,083 | \$1,333 |
| 46770590 | ENCLOSURE, EXTENDED FRAME SPECIAL PAINT<br><small>REQUIRES HEAVY DUTY EXTENDED FRAME</small>  | \$2,083 | \$1,333 |
| 46739845 | OILER, 2QT SHIP LOOSE<br><small>NOT COMPATIBLE WITH HANNAY HOSE REEL /REQUIRES SERVICE AIR WITH MPCV OR HOSE REEL OPTIONS.</small>                                  | \$745   | \$477   |
| 46741285 | HOSE, 3/4" x 100' SHIP LOOSE  | \$287   | \$184   |
| 46743310 | COUPLER MOUNT, STANDARD ADJUSTABLE HEIGHT<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION.</small>  | \$618   | \$396   |
| 46743311 | COUPLER MOUNT, HEAVY DUTY ADJUSTABLE HEIGHT<br><small>REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION.</small>  | \$618   | \$396   |
| 46743315 | SPARE TIRE, SHIP LOOSE 6 LUG ON 5.50 B.C. ST225/75/R15<br><small>REQUIRES HEAVY DUTY AXLE</small>   | \$213   | \$136   |
| 46747588 | HOSE ASSY, (2X) .75 IN ID X 50 FT   | \$377   | \$241   |
| 46751007 | CAP, LOCKING FUEL   | \$38    | \$24    |
| 46751726 | BRANDING DECALS, SHIP LOOSE   | \$50    | \$32    |
| 46751727 | WHEEL CHOCKS  | \$128   | \$82    |

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| 46739886 | LIGHTS, 4 LIGHT COMBO<br><small>COMPATIBLE WITH 7-PIN RV CONNECTOR TRAILER HARNESS / NOT COMPATIBLE WITH HEAVY DUTY EXTENDED FRAME</small>  | \$30    | \$19    |
| 46743309 | LIGHTS, LED 4 LIGHT COMBO<br><small>COMPATIBLE WITH 7-PIN RV CONNECTOR TRAILER HARNESS / NOT COMPATIBLE WITH HEAVY DUTY EXTENDED FRAME</small>  | \$175   | \$112   |
| 46760345 | LIGHTS, EXTENDED HEAVY DUTY FRAME 4 LIGHT COMBO<br><small>REQUIRES HEAVY DUTY EXTENDED FRAME</small>  | \$167   | \$107   |
| 46731645 | AIR FILTERS, WITH SECONDARY SAFETY ELEMENT  | \$85    | \$54    |
| 46752266 | AIR FILTERS, WITH SECONDARY SAFETY ELEMENT AND AIR SHUT OFF   | \$2,057 | \$1,316 |
| 46726989 | LESS HITCH<br><small>LRG OPTIONS REQUIRED.</small>  | \$0     | \$0     |
| 46754885 | HITCH, HYDRAULIC 3 INCH PINTLE EYE<br><small>REQUIRES DRAWBAR SHIP DOWN. NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION. ONLY COMPATIBLE WITH HYDRAULIC BRAKES</small>   | \$58    | \$37    |
| 46732897 | LESS WHEELS AND TIRES<br><small>LRG OPTIONS REQUIRED.</small>   | -\$223  | -\$143  |
| 46739847 | WHEEL AND TIRE, 6 LUG 5.50 B.C. WHEEL ST225/75/R15<br><small>REQUIRES HEAVY DUTY AXLE</small>   | \$135   | \$86    |
| 46726925 | SERVICE AIR, .75 INCH Y-VALVE WITH MIN PRESSURE/CHECK VALVE   | \$158   | \$101   |
| 46726926 | SERVICE AIR, SINGLE HOSE REEL 100FT<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED &amp; REQUIRES DRAWBAR SHIP DOWN.</small>   | \$1,297 | \$830   |
| 46733053 | SERVICE AIR, DOUBLE HANNAY 100FT W/ 100FT HOSE AND Y-VALVE<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED. REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION. REQUIRES EXTENDED HEAVY DUTY DRAWBAR OPTION.</small> | \$5,747 | \$3,678 |
| 46740165 | SERVICE AIR, DOUBLE HOSE REEL 100FT<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED &amp; REQUIRES DRAWBAR SHIP DOWN.</small>   | \$1,910 | \$1,222 |
| 46742228 | SERVICE AIR, SINGLE HOSE REEL 100FT W/ 100FT HOSE<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED &amp; REQUIRES DRAWBAR SHIP DOWN.</small>   | \$1,642 | \$1,051 |
| 46742229 | SERVICE AIR, DOUBLE HOSE REEL 100FT W/ 100FT HOSE<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED &amp; REQUIRES DRAWBAR SHIP DOWN.</small>   | \$2,560 | \$1,638 |
| 46757386 | SERVICE AIR, REAR DOUBLE HOSE REEL 100FT<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED. REQUIRES HEAVY DUTY EXTENDED FRAME. REQUIRES HEAVY DUTY DRAWBAR.</small>  | \$2,475 | \$1,584 |
| 46761625 | SERVICE AIR, REAR DOUBLE HOSE REEL 100FT W/ 100FT HOSE<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED. REQUIRES HEAVY DUTY EXTENDED FRAME. REQUIRES HEAVY DUTY DRAWBAR.</small>  | \$2,745 | \$1,757 |
| 46742111 | FRAME, HEAVY DUTY P/XP185<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED.</small>  | \$1,000 | \$640   |
| 46756865 | FRAME, EXTENDED HEAVY DUTY<br><small>HEAVY DUTY AXLE (5200 LBS) WITH BRAKES REQUIRED.</small>   | \$1,833 | \$1,173 |
| 46724472 | EXHAUST, SPARK ARRESTOR   | \$367   | \$235   |
| 46726950 | LESS DRAWBAR<br><small>LRG OPTIONS REQUIRED.</small>  | \$0     | \$0     |
| 46732885 | DRAWBAR, STANDARD SHIP DOWN<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION / NOT COMPATIBLE WITH HYDRAULIC BRAKES</small>  | \$0     | \$0     |
| 46739305 | DRAWBAR, HEAVY DUTY<br><small>REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION. NOT COMPATIBLE WITH HYDRAULIC BRAKES</small>   | \$83    | \$53    |
| 46739306 | DRAWBAR, HEAVY DUTY EXTENDED<br><small>REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION. NOT COMPATIBLE WITH HYDRAULIC BRAKES. REQUIRES OPTION 46747589, 7 PIN EXTENSION</small>   | \$500   | \$320   |
| 46751629 | DRAWBAR, STANDARD SHIP DOWN WITH HYDRAULIC BRAKES<br><small>NOT COMPATIBLE WITH HEAVY DUTY FRAME OPTION. ONLY COMPATIBLE WITH HYDRAULIC BRAKES.</small>   | \$0     | \$0     |
| 46751630 | DRAWBAR, HEAVY DUTY WITH HYDRAULIC BRAKES<br><small>REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION. ONLY COMPATIBLE WITH HYDRAULIC BRAKES</small>  | \$167   | \$107   |
| 46770065 | DRAWBAR, HEAVY DUTY EXTENDED WITH HYDRAULIC BRAKES<br><small>REQUIRES HEAVY DUTY OR HEAVY DUTY EXTENDED FRAME OPTION. ONLY COMPATIBLE WITH HYDRAULIC BRAKES. REQUIRES 7 PIN EXTENSION.</small>                                      | \$583   | \$373   |
| 46737167 | BRANDING, SAFETY DECALS ONLY  | \$0     | \$0     |

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|  |   |
|--|---|
| <b>MANUFACTURER</b>                                | <b>DOOSAN INFRACORE PORTABLE POWER</b>    |
| <b>BRAND</b>                                       | <b>DOOSAN</b>                             |
| <b>MODEL</b>                                       | <b>P185WDO</b>                            |
| <b>ENGINE</b>                                      | TIER 4F                                   |
| Make   | <b>DOOSAN</b>                             |
| Model  | D24                                       |
| # of Cylinders                                     | 4   |
| Cylinder Bore(in/mm)                               | 3.54 / 90                                 |
| Cylinder Stroke (in/mm)                            | 3.7 / 94                                  |
| Displacement (cu in/l)                             | 147 / 2.4                                 |
| Rated Speed (rpm)                                  | 2600                                      |
| Idle Speed (rpm)                                   | 1700                                      |
| BHP @ Rated Speed HP/KW                            | 49/ 36.4KW                                |
| Fuel/Cooling                                       | DIESEL/WATER                              |
| Electrical Voltage                                 | 12  |
| Engine Oil Capacity (US Quarts/Liters)             | 9.6 / 9.1                                 |
| Radiator Coolant Capacity (US Gal/Liters)          | 2.6 / 9.8                                 |
| Altitude Capability (Feet/Meters)                  | 18,200 / 5,547                            |
| Fuel (GPH/LPH):                                    |   |
| 75% Load   | 2.4 / 9.1                                 |
| 100% Load  | 2.8 / 10.6                                |
| Fuel Tank Capacity (gal/l)                         | 34.5 / 130.6                              |
| Min Operating Time (Hours)                         | 13.3                                      |
| Limiting Ambient Temp Range (F)                    | 10F - 120F (-10F w/ cold weather options) |
| <b>COMPRESSOR</b>                                  |   |
| 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)              | 5.0 / 18.9                                |
| Oil Capacity (US Gal/Litres)                       | 3.5 / 13.3                                |
| <b>DIMENSIONS W/RUNNING GEAR</b>                   |   |
| Overall Length (in/mm)                             | 136.7 / 3473                              |
| Overall Width (in/mm)                              | 68.8 / 1746                               |
| Overall Height (in/mm); add 5.25" exh pipe         | 67.5 / 1714                               |
| Track Width (in/mm)                                | 60 / 1524                                 |
| Tire Size  | 15"                                       |
| Shipping Weight (lb/kg) no fuel                    | 2294 / 1040                               |
| Working Weight (lb/kg) with fuel                   | 2531 / 1148                               |
| <b>DIMENSIONS WITHOUT RUNNING GEAR</b>             |   |
| Overall Length (in/mm)                             | 88.5 / 2248                               |
| Overall Width (in/mm)                              | 49.3 / 1252                               |
| Overall Height (in/mm); add 5.25" for exhaust pipe | 56.3 / 1431                               |
| Shipping Weight (lb/kg) no fuel                    | 2079 / 943                                |
| Working Weight (lb/kg) with fuel                   | 2316 / 1050                               |

## **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 (61" long x 10" wide x 14" deep).
- Engine mounted pusher fan (cool box).
- Rain cap exhaust.
- The air service valves shall be (2) 3/4" (1/4 turn).

### **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. Five years or 10,000-hour warranty available when Doosan fluids and filters are used.
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### **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.

**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 M<sup>3</sup>/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
  - 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
- Rubberized button interface that controls engine crank with oil pressure by-pass, engine stop, 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).

### **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

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**SPECIFICATIONS WITH COMMON OPTIONS (OPTIONS NOTED)**

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**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]<sup>1</sup> 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 34.5 gallons, a fuel/water separator, and a replaceable fuel filter.
- The engine oil drain shall have an access cover.
- CAC Charge air cooler
- (DOC) Diesel oxidation catalyst engine exhaust after treatment

**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.

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<sup>1</sup> 1000 CCA battery option available



**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 3 gallons(11.4L), 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]<sup>2</sup>, and a track width of no less than 60".The trailer shall be of welded steel construction and include a replaceable, bolt-on drawbar with [three position hitch]<sup>3</sup>, safety chains with hooks, [screw jack with caster wheel]<sup>4</sup>, resilient polyethylene bolt-on fenders, rear reflectors, towing lights, side marker lights, and lighted license plate bracket.<sup>5</sup>
- 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) galvaneal 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 14"(.35m), minimum width of 10"(.25m), and length of 61"(1.54m), 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 instrument panel shall include the following LED lighted function displays: hour meter, discharge air pressure gauge, and in an LCD digital display shows the 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.

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<sup>2</sup> Optional electric brake or hydraulic brake axel configurations available

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

<sup>4</sup> Optional pneumatic wheel or pad foot screw jack available

<sup>5</sup> Optional rear bumper (with or without rear stabilizer screw jack) available

**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.

**WARRANTY<sup>6</sup>:**

- 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.

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

## Warranty Procedure

Failures occurring within the warranty period must be reported to a Doosan Portable Power ("DPP") authorized dealer. To locate your nearest dealer, visit our website at:

<http://doosanportablepowermobile.maporama.com> or call

1-800-633-5206. Arrange with the dealer to have the machine repaired per the terms of this Warranty Policy.

Travel will be considered up to a maximum of 200 miles each way to a repair location. Travel reimbursement is only available on 825/750 and larger compressors. All others must be transported to the dealer location for warranty repairs.

Other than Kubota, C185WKUB-T4I, serial code D95 and C185WKUBG, serial code F45, engines manufactured by Cummins®, Caterpillar®, Doosan® and Kubota® require the engine manufacturer's representative to perform warranty repairs.

DPP dealers can provide parts, service and warranty repairs on all Deutz and most Mitsubishi® engines in DPP equipment. Service on Doosan engines in DPP equipment must be performed by technicians who are certified in Doosan engine repair.

### What the Warranty Covers

Failures that meet the criteria outlined below may be considered as warranty failures:

- A. Must occur within the published warranty period for the particular product.
- B. Must be the result of a defect in materials or workmanship by the factory, and
- C. Must not be listed under "Non-warrantable Items" or "Vendor Components".

### Non-warrantable Items

The following items are not considered as warrantable items:

- A. Fuel, hydraulic and lubricating oil, grease, anti-freeze, air and oil filter elements, belts, hoses and replacement parts as the result of normal use or wear.
- B. Failures of parts, attachments, accessories, modifications not manufactured or supplied by Doosan Portable Power.
- C. Failures and progressive damage resulting from the use of a part not approved by DPP.
- D. Failures resulting from improper application, operation, and maintenance or repair practices.
- E. Damage resulting from negligence or accidents.
- F. Towing, hauling, loading or unloading costs.
- G. Loss or damage caused by carrier.
- H. Repairs required as the result of improper handling, storage or protection.
- I. Downtime or lost production costs.
- J. Any cost of a replacement or backup unit.
- K. Telephone or other communication expenses.
- L. Shop Supplies

### Vendor Components Not Warranted by Doosan Portable Power

Vendor components that are warranted direct to the user-purchaser by the manufacturer, including, but not limited to the following items, are not warranted by DPP:

- Cummins, Caterpillar and Kubota engines (except C185WKUB-T4I, serial code D95 and C185WKUBG, serial code F45).
- Engine components for Cummins, Caterpillar and Kubota engines, such as starters, generator/alternators and regulators.

Failures of these components are to be directed to the representative manufacturer's local service facility. Proof of purchase may be required for warranty claims.

**THE WARRANTIES HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (EXCEPT THAT OF TITLE), AND THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL DOOSAN PORTABLE POWER OR ITS AUTHORIZED DEALERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF DOOSAN PORTABLE POWER OR ITS AUTHORIZED DEALERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF DOOSAN PORTABLE POWER AND ITS AUTHORIZED DEALERS WITH RESPECT TO THE PRODUCT FURNISHED SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT.**

It is the selling dealer's responsibility to register each unit sold on Doosan's Warranty Website by entering current customer information and warranty start date. Any changes in ownership thereafter should be completed by the dealer via the ETR (Equipment Transfer Request) in the warranty system.

Cummins and CAT engines must be registered by the end user at the time of purchase.

Cummins website:

<https://www.cummins.com/support/product-registration>

CAT website:

[http://ma-catinfo.com/en\\_US\\_engine\\_warranty\\_registration](http://ma-catinfo.com/en_US_engine_warranty_registration)

CUMMINS® is a registered trademark of Cummins Inc. CATERPILLAR® is a registered trademark of Caterpillar Inc. KUBOTA® is a registered trademark of Kubota Corporation. MITSUBISHI® is a registered trademark of Mitsubishi Shoji Kaisha, Ltd.

# DOOSAN®

## Portable Power

## WARRANTY POLICY

### Air Compressors



(01/2020) Rev O  
CPN 22835953

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## Compressor Warranty

DPP warrants to (i) its authorized North American dealers, who in turn warrant to the initial user, and (ii) direct customers, that each portable air compressor manufactured by it will be free from defects in material and workmanship for a period of (a) twelve (12) months from the date of shipment to the initial user, (b) the accumulation of 3,000 hours of service by the initial user, or (c) eighteen (18) months from the date of delivery from the factory to the dealer, whichever occurs first. This warranty applies to Portable Power compressors located in the US and Canada.

DPP will provide a new or repaired part, at its election, in place of any part that is found upon its inspection to be defective in material or workmanship during the warranty period. Such part will be replaced without charge to the initial user during normal working hours at the place of business of a DPP dealer authorized to sell the type of equipment involved or other establishment authorized by DPP. If requested, user must present proof of purchase at the time of a warranty claim.

This warranty does not apply to failures occurring from:

1. Abuse, misuse, negligent repairs, corrosion, erosion, normal wear and tear, poor fuel quality, or alterations or modifications made to the product without express written consent of DPP.
2. Failure to follow the recommended operating practices and maintenance procedures as provided in the product's operating and maintenance publications.
3. Accessories or equipment furnished by DPP, but manufactured by others, shall carry whatever warranty the manufacturers have conveyed to DPP and which can be passed on to the initial user.

**Airends** – DPP warrants that the airend will be free of defects in material and workmanship for a period of (a) twenty-four (24) months from the date of shipment to the initial user, (b) the accumulation of 4,000 hours of service by the initial user, or (c) thirty (30) months from the date of delivery from the factory to the dealer, whichever occurs first. The warranty against defects will include replacement of the complete airend provided the original airend is returned fully assembled and unopened.

### Optional Limited Major Component Airend Warranty

The airend warranty period may be extended until the earliest of (a) sixty (60) months from the date of shipment to the initial user, (b) the accumulation of 10,000 hours of service by the initial user, or (c) sixty-six (66) months from the date of delivery from the factory to the dealer (with the exception of NHP models) This optional warranty is limited to defects in rotors, housings, bearings and gears. This warranty is automatically available when the initial user registers their machine prior to expiration of the standard warranty and can demonstrate that the unit meets the following conditions during the warranty period:

1. The original airend is returned fully assembled and unopened.
2. All maintenance is completed at prescribed intervals using only genuine Doosan parts, fluids and filters.

It is the obligation of the user to provide verification that these conditions have been satisfied when submitting claims under this warranty. Keep PO's or Invoices.

| Products                    | Package                        | Airend                           | Extended Coverage   |
|-----------------------------|--------------------------------|----------------------------------|---|
|                             |                                |                                  | Airend  |
| <b>Portable Compressors</b> | 1 yr/3000 hrs<br>Parts & Labor | 2 yrs/4,000 hrs<br>Parts & Labor | *5 yrs / 10000 hrs limited warranty- requires Doosan fluids & filters |

\* The optional Extended Warranty is automatically available when the initial user can demonstrate that the following conditions are met during the warranty period:

1. The original airend/engine is returned fully assembled and unopened.
2. All maintenance is completed at prescribed intervals using only genuine Doosan parts, fluids and filters.

The starter, alternator, fuel system components, and all electrical components are excluded from this optional warranty and all NHP models are excluded.

The following chart summarizes warranty time periods applicable to compressor engines and is for reference purposes only. A complete description of the applicable warranties for these engines and emissions is available upon request.

| Engines in Compressors   | Months   | Hours         | Extended Coverage                           |
|--|----------|---------------|---|
| <b>Caterpillar</b><br>*Must be repaired by Caterpillar.                        | 12<br>24 | Unltd<br>3000 | Contact dealer regarding extended warranty. |
| <b>Cummins</b><br>*Must be repaired by Cummins.                                | 24       | 2000          | Contact Your Dealer                         |
| <b>Kubota</b> (Model C185WKUB-T4I) All other models must be repaired by Kubota | 24       | 4000          | Contact Your Dealer                         |
| <b>Deutz</b>   | 24       | 4000          | Contact Your Dealer                         |
| <b>Doosan</b><br>*Must be repaired by Doosan or Bobcat authorized dealer.      | 24       | 4000          | Contact Your Dealer                         |

**Limited Corrosion Warranty** – Doosan Portable Power provides a limited corrosion warranty for a period of (a) sixty (60) months from the date of shipment to the initial user, (b) the accumulation of 10,000 hours of service by the initial user, or (c) sixty-six (66) months from the date of delivery from the factory to the dealer, whichever occurs first. This warranty is limited to corrosion of canopy, exterior sheet metal (sidewalls), and belly pans.