

**DOOSAN**  
Portable Power

# MORE THAN POWER.

**LIGHT COMPACTION**

Upright Rammers | Plate Compactors | Trench Rollers



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## **DOOSAN** Portable Power

### »»» ABOUT US

Doosan Portable Power has more than 100 years of manufacturing expertise and application experience, with a focus on providing the highest quality machines with unrivaled customer service. Our market leading product line of portable air compressors, mobile generators and light towers are proudly built in the USA.

Doosan Portable Power is headquartered in Statesville, North Carolina, and was established in 2007 when Doosan Infracore purchased Ingersoll-Rand's Utility Equipment division.

Today, Doosan Portable Power is a subsidiary of Doosan Bobcat Inc. Doosan Bobcat is an industry leader in the engineering, manufacturing and marketing of construction equipment, and also represents the Bobcat brand.

Doosan Bobcat is committed to delivering innovative products and services that provide quality and value.





# POWERFUL SOLUTIONS



At Doosan Portable Power, we do more than provide superior products. We deliver powerful solutions to move your business forward. Robust portable air compressors that perform on the most demanding job sites. Mobile generators, light towers & light compaction equipment that are reliable and efficient. Factor in our industry-leading service and support, and it's quite clear that partnering with us is a smart return on your investment.

## DEPENDABILITY

Our equipment is built to last with corrosion-resistant galvanneal steel enclosures and a durable, baked-on powder coat finish. Extensive testing at our Statesville, North Carolina facility includes a test track, tilt table, and cold chamber to ensure our machines will perform in the harshest conditions and applications.

Doosan is fully committed to delivering quality machines that maximize uptime and productivity to give you peace of mind.

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*"The quality is a 10.  
The durability is a 10."*

*-Jack Anderson, Pape Material Handling*

## PERFORMANCE

Doosan Portable Power gives you the power you need in the most efficient manner. We provide leading fuel economy and performance while ensuring compliance with the latest emissions standards.

Doosan also offers unmatched versatility to support almost every job or application. And with user friendly controls and diagnostics, anyone can operate our equipment with minimal instruction.

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*"Doosan has always performed well for us."*

*-Mark Grimes, Industrial Marine*

## SERVICEABILITY

Doosan has an extensive and knowledgeable dealer network. Our dealer-partners have a deep understanding of your business and can provide the solutions you demand.

All of our products are engineered and designed with an emphasis on accessibility to make sure routine maintenance is quick and easy to perform without having to take the machine apart.

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*"Parts and service are always there when we need it."*

*-Mike Venuti, Meruelo Group*

# MORE THAN POWER.

## UPRIGHT RAMMERS

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Full specifications on page 06



DRX 60 | DRX 70

### CHARGED WITH INDUSTRY-LEADING IMPACT FORCES

- » Open guide handle gives an unobstructed view of the base while operating.
- » Doosan's equally balanced rammer design provides stability and control while preventing tip-over. The upright rammer provides increased efficiency while reducing effort.
- » Comfortable operation with an adaptable handle that adjusts within a range of height settings and absorbs vibrations to lessen fatigue during extended use.
- » Maintenance is made easy with accessible service points and simple-to-clean filters which enhances the rammer's operation. Optimal horizontal air filter placement prolongs the machine's lifetime.
- » The rammer's practical design provides high compaction power even in less than favorable conditions and while working on demanding materials.
- » Doosan's construction equipment has a sturdy design with excellent reliability. Daily inspection and maintenance without any tools. Machine life is extended by the use of protective casing and superior components.

## REVERSIBLE VIBRATORY PLATE COMPACTORS

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Full specifications on page 07



DRP 2316 | DRP 3220 | DRP 4924

### BUILT TO PERFORM, BUILT TO LAST

- » Exceptional compaction performance. A robust vibratory system creates high compaction forces for quick, complete compaction.
- » Smooth control and precise accuracy provided by hydrostatic steering control.
- » The low vibration levels safeguard the operator and eliminate the need for extra record keeping.
- » Sturdy frame and secured components prevent damage while transporting, making this machine optimal for rental purposes
- » Machine is secured efficiently during transport by a central hook and well placed tie-down points integrated into the machine's frame.

**DOOSAN**  
Portable Power

## FORWARD VIBRATORY PLATE COMPACTORS

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Full specifications on page 07



DFP 1013 | DFP 1516 | DFP 1520

## TRENCH ROLLER

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Full specifications on page 08



DTR 3275

### VERSATILITY & RELIABILITY

- » Low HAV level handles (values below 2.5 m/sec<sup>2</sup>) provide optimal comfort for operation and reduce the need for time consuming record keeping.
- » Forward plate compactors are furnished with high-resistant base plates that are thicker in the rear, where most of the wear occurs. This ensures that when the machine is operated under typical working conditions the plates should not require service.
- » High-performance vibratory system extends the time between needed machine maintenance while reducing the cost of ownership.
- » Dependable design, lasting materials, and a sturdy frame make this machine an excellent choice to be used in any location without worry of damage.
- » Operator control is at a premium with a frame that provides a secure grip in confined or challenging spaces. Base plate design facilitates consistent results on all grades.
- » Our range of forward plates are equipped with dependable and efficient Honda engines while providing maximum power, using minimal fuel.

### SMOOTH, EFFICIENT COMPACTION IN COMPLEX APPLICATIONS

- » Dual-stage vibratory system offering two different settings and compaction performance for a variety of applications.
- » Steady ground contact and coverage achieved with a maintenance-free articulation joint with oscillation.
- » A hydrostatic drive and hydro mechanical brakes make for a smooth start and stop with consistent output.
- » Solar powered, ergonomic, sturdy, waterproof, infrared remote control. Operator must have direct visibility of machine necessary for power to engage, maximizing safety.
- » Daily inspection and maintenance possible without tools.
- » Drum Extensions are standard on the DTR 3275 to provide two working widths.

# »»» SPECIFICATIONS

MODEL	DRX 60	DRX 70
<b>WEIGHT &amp; DIMENSIONS</b>		
Machine weight - lbs (kg)	137 (62)	150 (68)
Foot length - in (mm)	13.4 (340)	13.4 (340)
Foot width - in (mm)	11 (280)	11 (280)
Handle length - in (mm)	28 (710)	28 (710)
Machine height - in (mm)	40.2 (1020)	40.2 (1020)
Handle width - in (mm)	14 (355)	14 (355)
<b>ENGINE</b>		
Make/Model	Honda GXR 120	Honda GXR 120
Fuel	Gasoline	Gasoline
Engine output at RPM	3.7 HP 4300	3.7 HP 4300
<b>COMPACTION FORCES</b>		
Frequency - Hz	11.3	11.3
Amplitude - in (mm)	2.6 (65)	2.6 (65)
Centrifugal force - kN	11.5	13
Surface capacity - m <sup>2</sup> /h	226.8	226.8
Max Compaction performance - in (cm)	17.7 (45)	19.7 (50)

MODEL	DFP 1013	DFP 1516	DFP 1520	DRP 2316	DRP 3220	DRP 4924
<b>WEIGHT &amp; DIMENSIONS</b>						
Machine weight (incl. optional sprinkler & wheels) - lbs (kg)	126 (57)	196 (89)	205 (93)	220 (100)	439 (199)	935 (424)
Machine height - in (mm)	20 (507)	26.3 (667)	26.3 (667)	24.6 (600)	30.1 (765)	32.2 (871)
Machine length - in (mm)	25.8 (655)	27.6 (700)	27.6 (700)	23.6 (600)	27.6 (700)	35.4 (898)
Machine working width - in (mm)	13 (330)	15.7 (400)	19.7 (500)	15.7 (400)	19.7 (500)	29.5 (750)
Machine height with handle - in (mm)	44.5 (1130)	40.2 (1020)	40.2 (1020)	44.9 (1140)	44.9 (1140)	58.5 (1485)
Base plate length - in (mm)	19.5 (495)	22 (559)	22 (559)	10 (254)	13 (330)	17.7 (450)
Handle height (work) - in (mm)	36.7 (932)	38.4 (976)	38.4 (976)	39.4 (1000)	39.4 (1000)	39.4 (1000)
Handle height (transport) - in (mm)	43.3 (1100)	29 (736)	29 (736)	46.5 (1180)	46.5 (1180)	50.6 (1285)
<b>ENGINE</b>						
Make & Model	Honda GX 120	Honda GX 120	Honda GX 120	Honda GX 160	Honda GX 270	Hatz 1B40
Fuel	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Diesel
Engine output - HP at RPM	3.5 3600	3.5 3600	3.5 3600	4.8 3600	8 3100	8.8 2900
Fuel consumption - GPH (LPH)	.26 (1)	.26 (1)	.26 (1)	.36 (1.4)	.55 (2.1)	
<b>COMPACTION FORCES</b>						
Surface capacity - m <sup>2</sup> /h	435.6	648	720	528	780	1575
Max Vibration frequency - Hz	100	100	100	98	90	65
Max Centrifugal force - kN	10.5	15	15	23	32	49
Spec. Surface pressure - N/cm <sup>2</sup>	9.3	10.7	8.5	22.6	19.4	-
<b>MISCELLANEOUS</b>						
Fuel tank capacity - G (L)	.53 (2)	.53 (2)	.53 (2)	.82 (3.1)	1.4 (5.3)	1.3 (5)
Travel speed forward - m/min	22	27	24	22	26	35
Hand-Arm Vibration on handle - m/s <sup>2</sup>	-	<2.5	<2.5	<2.5	<2.5	-
Gradeability	30%	30%	30%	35%	35%	30%
Max. Incline to all sides	20°	20°	20°	20°	20°	25°
Water tank capacity - gal (L)	1.32 (5)	3.17 (12)	3.17 (12)	-	-	-

*Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Actual power output may vary due to conditions of specific use.*



**MODEL****DTR 3275****WEIGHT & DIMENSIONS**

Machine weight - lbs (kg)	3197 (1450)
Machine height - in (mm)	51.9 (1317)
Machine length - in (mm)	78 (1980)
Machine width - in (mm)	23.7 (601)
Machine length with bumper - in (mm)	87.7 (2227)
Drum diameter - in (mm)	20.7 (525)
Drum width - in (mm)	33.5 (850)

**ENGINE**

Make & Model	Yanmar 3TNV80F
Fuel	Diesel
Engine output - HP	20
Maximum torque	68.4 / 1800 Nm(ft lb)/rpm
Number of cylinders	3
Drive system	Hydrostatic
Engine complies with emission regulations	Tier 4 Final

**COMPACTION FORCES**

Max Vibration frequency - Hz	40
Max Centrifugal force - kN	75/36
Amplitude - mm	1.1 / 0.6

**MISCELLANEOUS**

Fuel tank capacity - G (L)	7.4 (28)
Travel speed forward - mph (kph)	1.7 (2.8)
Working speed - mph (kph)	.87 (1.4)
Gradeability with/without vibr	25% / 30%
Hydraulic oil capacity - G (L)	4.2 (16)
Oscilation angle	±7°
Turning radius inner - in (mm)	56.7 (1440)
Turning radius outer - in (mm)	90.2 (2290)



## APPLICATIONS

MACHINE MODEL	THICK PAVEMENT BLOCKS > 10 CM	SMALL PAVEMENT BLOCKS < 10 CM	ASPHALT WITH WATER SPRINKLER SYSTEM	SAND / GRAVEL IN (CM)	MIXED SOIL IN (CM)	COHESIVE SOIL IN (CM)	HUMID SOIL IN (CM)	ROCKFILL IN (CM)
DRX 60	–	–	–	17.7 (45)	17.7 (45)	21.6 (55)	19.7 (50)	–
DRX 70	–	–	–	17.7 (45)	17.7 (45)	21.6 (55)	19.7 (50)	–
DFP 1013	–	✓	✓	3.9 (10)	3.9 (10)	o	o	–
DFP 1516	–	✓	✓	7.9 (20)	5.9 (15)	o	o	–
DFP 1520	–	✓	✓	5.9 (15)	3.9 (10)	o	o	–
DRP 2316	–	✓	o	11.8 (30)	9.8 (25)	o	o	–
DRP 3220	✓	✓	o	15.7 (40)	13.8 (35)	o	o	3.9 (10)
DRP 4924	✓	✓	o	19.7 (50)	17.7 (45)	7.9 (20)	11.8 (30)	7.9 (20)
DTR 3275	–	–	–	9.8 (25)	9.8 (25)	7.9 (20)	7.9 (20)	–

Figures in cm represent theoretical compaction depth under ideal soil conditions (compaction capacities differ due to unpredictable soil conditions).

✓ = SUITABLE  
o = SUITABLE WITH RESTRICTIONS  
– = NOT SUITABLE

## FEATURES

OPTIONS	DRX 60	DRX 70	DFP 1013	DFP 1516	DFP 1520	DRP 2316	DRP 3220	DRP 4924	DTR 3275	DTR 3275 W/ DICE
RUBBER MAT				X	X	X	X			
TRANSPORT WHEELS	X	X		X	X	X	X			
WATER SPRINKLER SYSTEM			X	X	X					
HOUR METER	X	X		X	X	X	X	X		
VULCOLLAN MAT FOR APPLICATIONS ON PAVING STONES								X		
E-START (DIESEL ENGINE)								X		
EXTENSION PLATES								X		
DICE OPTION									X	X
ELECTRIC STARTER									X	X
SECURITY BAR									X	X
SET OF DRUMS									X	X
DRUM EXTENSIONS									X	X
FILTER KIT									X	X
BIODEGRADABLE OIL									X	X

X STANDARD OPTIONS  
X AFTERMARKET PART

# DOOSAN PORTABLE POWER FULL LINE OVERVIEW

## » GENERATORS

### SMALL



G25 | G40 | G50

Doosan Portable Power features a comprehensive mobile generator line up, ready to supply the power you need at the touch of a button. With customer friendly control panels, no generator has ever been easier to use.

### MEDIUM



G70 | G125 | G150

Challenging applications demand powerful alternators. Doosan specifies high-output, separately excited alternators that ensure unmatched motor starting capability and precision voltage control.

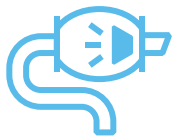
### LARGE



G190 | G240 | G325 | G400 | G570

Doosan mobile generators have been designed with the service technician in mind. With 500 hour intervals between fluid and filter exchanges, you can be sure that downtime for maintenance is minimized. All maintenance points are easily accessible and designed for fast and easy service.

AVOID WET STACKING



COLD TEMP



AUTONOMOUS OPERATION



INCREASED UPTIME



### ILMS - INTELLIGENT LOAD MANAGEMENT SYSTEM

Light loads and extreme cold can wreak havoc on your diesel generator. The Doosan Portable Power optional Intelligent Load Management System (ILMS) solves the wet stacking problem and keeps your generator operating longer and stronger - reducing costly repairs and downtime.

ILMS automatically raises the engine and exhaust temperature with supplemental heat, achieving the optimal operating temperature to prevent diesel generator wet stacking and ensure generator performance in light load and fluctuating conditions. Engine manufacturers require a minimum of 30% load on the engine for optimum performance. If you have a small load at your jobsite, the ILMS option will allow you to meet that requirement, resulting in increased performance and reliability without sacrificing capacity or fuel economy.

### OIL, FILTERS & LUBRICANTS



Protect your investment in quality equipment with genuine OEM parts. Doosan Portable Power is your source for the highest-quality parts, filters and lubricants for your Doosan Portable Power products.

### CONTACT

800-633-5206  
 portablepowersales@doosan.com  
 shop.doosanportablepower.com

## DOOSAN PORTABLE POWER FULL LINE OVERVIEW

### » AIR COMPRESSORS

#### SMALL & MEDIUM AIR

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**P185-HP150 | P185 Utility**  
**XP185-VHP165 | C185**  
**P250-MHP185 | P425/HP375**  
**HP450/VHP400**

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Our high-performance Doosan engines feature diesel oxidation catalyst (DOC) aftertreatment system, which is virtually maintenance-free. Our spin-on oil separation system reduces element changes to just two minutes.

#### LARGE AIR LOW PRESSURE

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**XP825/HP750 | HP915**  
**HP1600/VHP1400**

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An enhanced ViewPort control panel, easy access to manuals, full color back-lit LED displays, and industry-leading service intervals streamline machine operation.

#### LARGE AIR HIGH PRESSURE

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**XHP750 | XHP1170**

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Doosan designed and manufactured air ends require less horsepower to deliver a high-volume cfm output for greater fuel economy.

### » LIGHTING SYSTEMS

#### LCV & BALLOON LIGHT

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For reliable illumination of special events, road and bridge construction, emergency and disaster relief, and general construction sites, choose a Doosan Portable Power lighting system. Our LCV light tower has a compact footprint and an industry leading runtime of 105 hours on a single fill. The BL400 LED balloon is the optimal choice for applications where glare-free light is required.



**DOOSAN**  
Portable Power



# ***DOOSAN*** **Portable Power**

Experience Doosan Portable Power and our industry-leading support and service. Whatever the job, we have the solution. From our comprehensive range of reliable air compressors, to lighting systems and generators, we have a solution to fit your needs. Running a successful business takes more than powerful equipment. That's why Doosan Portable Power partners with an experienced dealer network to stand beside you every step of the way. Doosan Portable Power — more than 100 years of providing excellence.



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