



MEGA200/200TC

Engine Power : SAE J1995, gross 107kw(143HP) @ 2,200rpm
SAE J1349, net 103kw(138HP)@2,200rpm

Operating Weight : 11,000kg (24,250lb)

Bucket Capacity : 1.8m³(2.35 cu.yd)

Engine Power : 103kw(138HP)@2,200rpm

Operating Weight :

(W / O Coupler) 11,000kg (24,250lb)

(W / Coupler) 11,490kg (25,350lb)

Bucket Capacity : 1.8m³ (2.35 cu.yd)



TECHNICAL SPECIFICATIONS

* ENGINE

• Model

Stage-I (Tier-I), Stage-II (Tier-II)

DOOSAN DB58Ti

• Flywheel horse power

Stage-I (Tier-I), Stage-II (Tier-II)

Gross (SAE J1995) : Rated : 143HP(107kw) at 2,200rpm

Max : 158HP(118kw) at 2,000rpm

Net (SAE J1349) : 138HP(103kw) at 2,200rpm

• Max. Torque

Stage-I (Tier-I), Stage-II (Tier-II)

Gross (SAE J1995) : 64kg.m(463t.lb)/1,600rpm

Net (SAE J1349) : 57kg.m(412ft.lb)/1,500rpm

• Cooling type

Stage-I (Tier-I) - Pusher plastic fan pressurised radiator

Stage-II (Tier-II) - Sucker plastic fan driven by hydraulic fan motor

• Type

4-Cycle, Turbo after cooled, direct injection

"High torque rise"

Fuel system delivers a controlled increase of fuel as the engine lugs back from rated speed. This results in horsepower greater than rated power.

The combination of increased torque rise and maximum horsepower improves response, provides greater rimpull, more lift force and faster cycle times.

The maximum horsepower occurs at 2000rpm when power is needed during the working cycle.

• Total displacement

5.8 liter (353 in³)

• No. of cylinders

6

• Bore x stroke

102 (4") x 118 (4.6")

• Air cleaner

Dry type(double stage)

* ELECTRICAL SYSTEM

• Voltage

24V

• Batteries, in series

2 x 12V

- total capacity : 100 Ah

- type : maintenance-free

• Starter motor

24V x 4.5 Kw

• Alternator capacity

50A

* AXLES

Rigid front axle, oscillating rear axle designed for heavy duty applications

• Rear axle oscillation

±11°

Hermetically sealed final drives and wet disc brakes

* TORQUE CONVERTER

• Type

3-element, 1 stage, single phase

• Torque stall ratio

2.91

* TRANSMISSION

• Type

Full Auto Power-shift countershaft design with four forward and three reverse speeds.

• Control

single lever electric "fingertip" type.

• Forward speeds

17.5 x 25 (STD) 20.5 x 25 (OPT)

1 - 7.3 (4.5) 8.2 (5.1)

2 - 12.7 (7.9) 14.3 (8.9)

3 - 22.0 (13.7) 25.0 (15.5)

4 - 36.0 (22.4) 39.0 (24.2)

• Reverse speeds

1 - 7.6 (4.7) 8.5 (5.3)

2 - 13.3 (8.3) 15.0 (9.3)

3 - 23.4 (14.5) 26.3 (16.3)

Safety device prevents engine starting while in neutral gear

* BRAKES

• type

Wet multi disc brakes fully hydraulic operated brake circuit. Independent circuit for each axle dual pedal braking system. Transmission declutch during braking can be preselected by a switch on the control stand panel

• Parking brake

Dry disc mounted on front axle Spring applied, electric-hydraulic released via a switch on the control stand panel. The brake circuit complies with the following international

• standards

ISO3450, EEC 71/320, SAE J1473

* TIRES

• Type

Tubeless

• Choice of

17.5 x 25 x 12PR (L2)

17.5 x 25 x 12PR (L3)

20.5 x 25 x 12PR (L3)

20.5 R25 x HAT2 (L3)

20.5 R25 VKT (L2)

* STEERING

• Type

Load sensing or bit rol type steering control, full hydraulic, power steering.

• Pump

gear type

• Max. flow rate

85 ℓ /min (22 gal/min)

• Max. working pressure

175kg/cm² (2,490 psi)

• Cylinders

bore x stroke : 70 mm(2.76") x 370mm(14.6")

Emergency steering circuit with hydraulic pump driven by electric DC-motor.

* CAB

ROPS / FOPS integrated cab. Excellent all-round visibility.

The ROPS/FOPS complies with the following standards:

ROPS - ISO 3471- SAE 1040

FOPS - ISO 3449/SAE J 231

• External sound power level

Guaranteed sound power level : LWA 105 dB (A)

(According to EU Directive 2000/14/EC)

* CAPACITIES

• ENGINE

Lube oil : 21 litres (5.5 gal)

Coolant : 31 litres (8.2 gal)

Fuel tank : 260 litres (68.7gal)

Transmission oil : 30 litres (7.9gal)

Hydraulic system : 150 litres (39.6 gal)

• AXLES

Front : 20 litres (5.3 gal)

Rear : 20 litres (5.3 gal)

* HYDRAULIC SYSTEM

• Type

sealed system with anticavitation and relief valves

• Pump

gear type with steel case and automatic wear compensation

- max. flow delivery : 175 ℓ /min (46gal/min)

- max. working pressure : 200kg/cm² (2,845psi)

• Control

Pilot, single lever

Double-acting hydraulic cylinders

• Loader arm (2EA)

bore x stroke : 120mm(4.7") × 793mm(31.2")

• Bucket (1EA)

bore x stroke : 140mm(5.5") × 490mm(19.3")

• Operating time

lift : 5.0 s

lower : 3.3 s

dump : 1.2 s

Hydraulic lines and connecting flanges are equipped with O-ring seals.

Invaluable for loading and transport on uneven terrain.

STANDARD AND OPTIONAL EQUIPMENT

* STANDARD

- Car stereo(AM / FM)
- 2 Road lights with high / low beams
- 2 Front directional indicators
- 2 Combination : tail light, stop light and directional indicators
- 2 Front and rear working lights
- Hourmeter, speedometer and tachometer
- Electronic display / monitoring system
- Engine coolant temp. gauge
- Torque converter oil temp. gauge
- Fuel level indicator
- Horn
- Neutral safety start system
- Fully adjustable suspension seat and seat belt
- ROPS Cab with window washer and wipers and rear view mirrors
- Sunvisor, sliding door windows (LH Only)
- Arm Rest & Wrist Rest

- Front and rear fenders
- Rear frame side covers
- Heater and defroster
- Air conditioner
- Pull hitch
- Automatic electro-magnetic return to dig
- Boom kick - out

* OPTIONAL

- Auxiliary hydraulic function
- Emergency steering
- Fuel feeding pump
- Fork equipment
- Limited slip differential axle
- Rear full fender
- Timber grapple
- Boom float kick-out
- Rotating beacon
- Under guard
- LIS(Boom suspension) system
- CCTV camera
- 3-spool piping
- Wheel chocks
- Two lever
- Ergo lever

DIMENSIONS

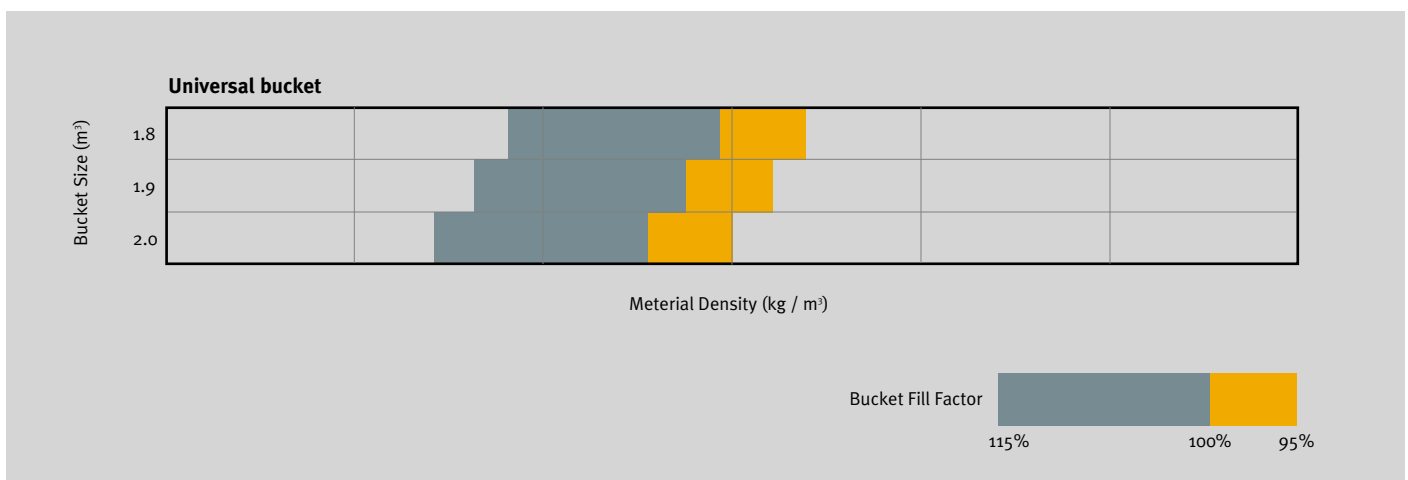
Weights and dimensions (supplemental specifications)

	Operating weight	Overall width (Outside tires)	Vertical dimension	Static tipping load-straight
20.5-R25 XHAT2 (L3)	+160kg (+353lb)	+7mm (+0.28inches)	-4mm (-0.16inches)	+90kg (+198lb)
20.5-R25 VMT (L2)	+80kg (+176lb)	+5mm (+0.2inches)	+10mm (+0.39inches)	+42kg (+93lb)

Typical material densities-Loose

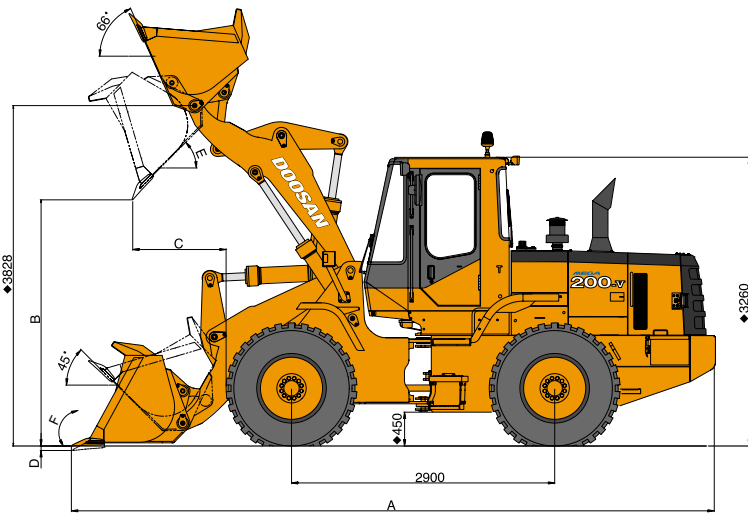
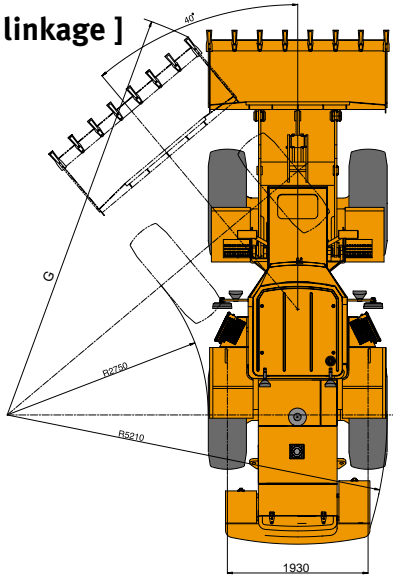
Material	Condition	Density kg/m (lb / yd)	Material	Condition	Density kg/m (lb / yd)
Gravel	dry	1,510 (2,545)	Clay	natural	1,660 (2,800)
	dry, 6-50 mm	1,690 (2,850)		dry	1,480 (2,495)
	wet, 6-50 mm	2,020 (3,405)		wet	1,660 (2,800)
Sand	dry	1,420 (2,395)	Limestone	soft	1,540 (2,595)
	damp	1,690 (2,850)		hard	1,650 (2,780)
	wet	1,840 (3,100)	Stone	crushed	1,600 (2,700)
Clay & Gravel	dry	1,420 (2,395)	Granite	broken	1,660 (2,800)
	wet	1,540 (2,595)	Slag	broken	1,750 (2,950)
Earth	dry	1,510 (2,545)	Gypsum	broken	1,810 (3,050)
	wet	1,600 (2,700)		crushed	1,600 (2,700)
Sand & Clay	loose	1,600 (2,700)	Basalt	-	1,960 (3,305)
Sand & Gravel	dry	1,720 (2,900)	Slate	-	1,250 (2,105)
	wet	2,020 (3,405)	Sandstone	-	1,510 (2,545)

Bucket selection guide / Material densities



* Standard

[Z-bar linkage]



* SPECIFICATIONS

Bucket type	Unit	Universal bucket				
		Teeth	Cutting edge	Teeth (Standard)	Cutting edge	
Capacity heaped	m ³ (yd ³)	1.8(2.4)	1.9(2.5)	1.9(2.5)	2.0(2.6)	
Tire		17.5-25		20.5-25		
Bucket weight	kgf (lb)	872(1,922)	895(1,973)	884(1,949)	911(2,008)	
Bucket width	mm (ft . in)	2,450(8'0")		2,550(8'4")		
Static tipping load, straight	kgf (lb)	8,500(18,740)	8,480(18,695)	8,500(18,740)	8,470(18,673)	
Static tipping load, full turn(40°)	kgf (lb)	7,400(16,315)	7,380(16,270)	7,400(16,315)	7,370(16,248)	
Breakout force	kgf (lb)	10,500(23,150)	10,489(23,124)	10,500(23,150)	10,470(23,082)	
Overall length	A	mm (ft . in)	7,025(23'05")	6,932(23'74")	7,035(23'08")	6,942(23'78")
Dump Height at 45°	B	mm (ft . in)	2,720(8'92")	2,788(9'15")	2,730(8'96")	2,798(9'18")
Dump Reach at 45°	C	mm (ft . in)	1,090(3'58")	1,029(3'38")	960(3'15")	899(2'95")
Digging depth	D	mm (ft . in)	50(16")		50(16")	
Max. dump angle at fully raised	E	deg	46		46	
Max. tilt angle on ground	F	deg	40		40	
Turning radius at bucket	G	mm (ft . in)	5,654(18'6")	5,610(18'4")	5,659(18'6")	5,614(18'4")
Operating weight		kgf (lb)	11,000(24,250)	11,023(24,302)	11,200(24,690)	11,227(24,751)

※ Measured to the tip of the bucket teeth or cutting edge.

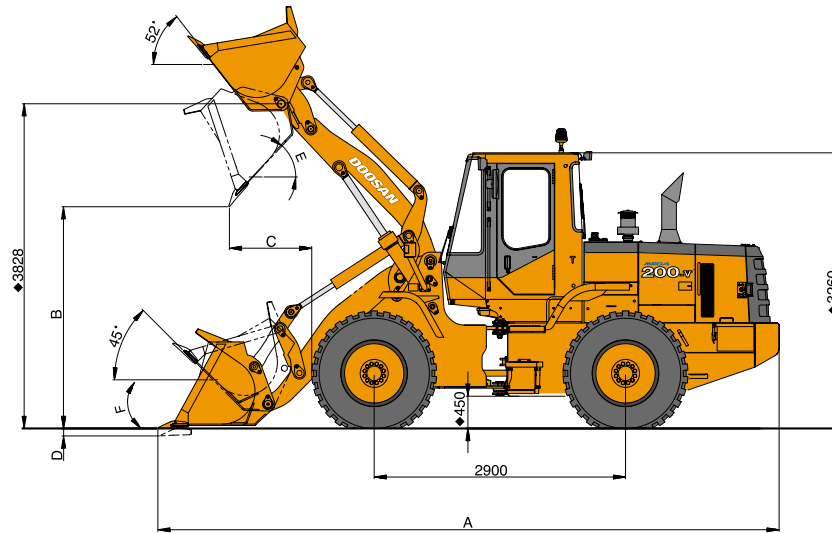
※ If fitted with tires sized 17.5-25 : vertical heights-80mm (indicated "◆")

DIMENSIONS

MEGA 200-V

* Standard

[Parallel linkage]



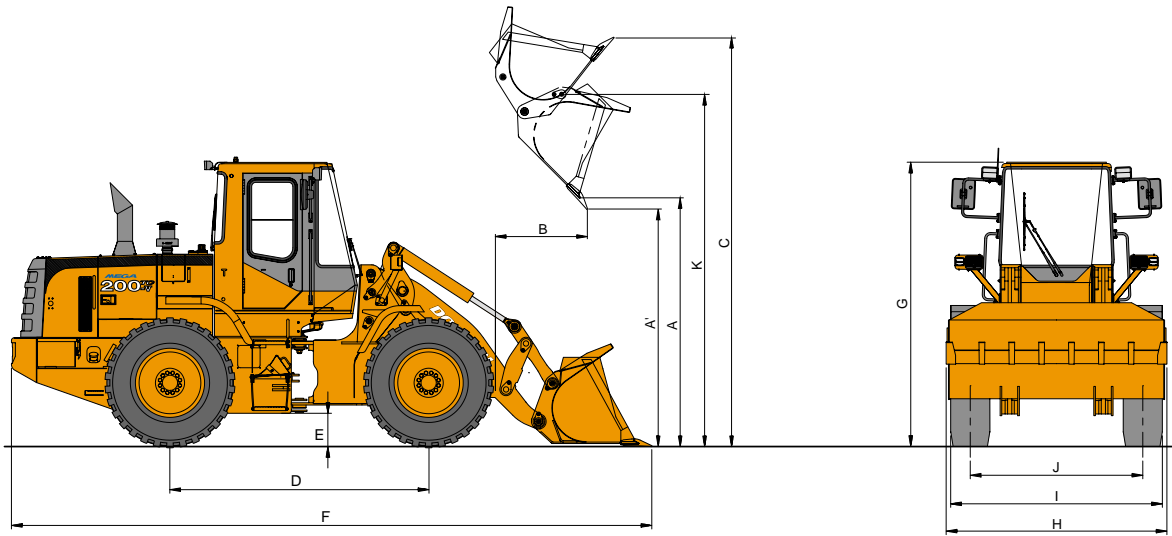
* SPECIFICATIONS

Bucket type		Unit	W/O Coupler		W/ Coupler	
Capacity heaped		m ³ (yd ³)	1.8 (2.4)	1.9 (2.5)	1.9 (2.5)	
Tire		-	17.5-25	20.5-25	17.5-25	
Material density		kg/m ³ (lb .yd)	1,800 (3,033)		1,800 (3,033)	
Bucket width		mm (ft .in)	2,450 (8'1")	2,550 (8'4")	2,743 (9'0")	
Static tipping load, straight		kgf (lbf)	8,000 (17,636)	8,150 (17,960)	7,700 (16,986)	7,850 (17,310)
Static tipping load, full turn(40°)		kgf (lbf)	6,950 (15,320)	7,080 (15,600)	6,750 (14,880)	6,880 (15,160)
Breakout force		kgf (lbf)	10,800 (23,800)		10,400 (22,930)	
Overall length	A	mm (ft .in)	7,280 (23'1")		7,280 (23'1")	
Dump Height at 45°(w/o teeth)	B	mm (ft .in)	2,710 (8'11")	2,792 (9'2")	2,679 (8'9")	2,679 (8'9")
Dump Height at 45° (w/ teeth)		mm (ft .in)	2,584 (8'6")	2,666 (8'9")	2,553 (8'4")	2,553 (8'4")
Dump Reach at 45°	C	mm (ft .in)	1,041 (3'5")	971 (3'2")	1,075 (3'6")	1,075 (3'6")
Digging depth	D	mm (ft .in)	172 (6.8")	84 (3.3")	172 (6.8")	172 (6.8")
Max. dump angle at fully raised	E	deg	46		46	
Max. tilt angle on ground	F	deg	46		46	
Turning radius (at tire center)		mm (ft .in)	4,949 (16'2")		4,949 (16'2")	
Operating weight		kgf (lb)	11,000 (24,250)	11,200 (26,690)	11,490 (25,330)	11,490 (25,330)

※ Measured to the tip of the bucket teeth or cutting edge

※ If fitted with tires sized 17.5-25 : vertical heights-80mm (indicated "◆")

* Tool Carrier



* SPECIFICATIONS

Item		Unit	W / O Coupler		W / Coupler	
Operating weight		kg (lb)	11,000 (24,250)	11,200 (24,690)	11,490 (25,350)	11,680 (25,760)
Bucket capacity (SAE heaped)		m ³ (cu. yd)	1.8 (2.3)	1.9 (2.5)	1.9 (2.5)	
Travel speed		km/h (mph)	36.0 (22.4)	39.0 (24.2)	36.0 (22.4)	39.0 (24.2)
Gradeability		deg	30		30	
Tire size			17.5x25-12PR (L2)	20.5x25-VKT (L3)	17.5x25-12PR (L2)	20.5x25-VKT (L3)
Breakout force		kg (lb)	10,800 (23,800)		10,400 (22,930)	
Dumping clearance at 45° (Without teeth)	A	mm (ft.in)	2,710 (8'11")	2,792 (9'2")	2,679 (8'9")	2,759 (9'0")
Dumping clearance at 45° (With teeth)	A'	mm (ft.in)	2,584 (8'6")	2,666 (8'9")	2,553 (8'4")	2,633 (8'7")
Reach at max height at 45°	B	mm (ft.in)	1,041 (3'5")	971 (3'2")	1,075 (3'6")	1,151 (3'3")
Overall operating height	C	mm (ft.in)	4,495 (14'9")	4,575 (15'0")	4,562 (14'11")	4,642 (15'2")
Wheel base	D	mm (ft.in)	2,900 (9'6")		2,900 (9'6")	
Ground clearance	E	mm (ft.in)	370 (1'3")	450 (1'6")	370 (1'3")	450 (1'6")
Overall length	F	mm (ft.in)	7,280 (23'10")		7,280 (23'10")	
Overall height	G	mm (ft.in)	3,180 (10'5")	3,260 (10'8")	3,180 (10'5")	3,260 (10'8")
Overall width	H	mm (ft.in)	2,450 (8'0")	2,550 (8'4")	2,743 (9'0")	
Width over tire	I	mm (ft.in)	2,365 (7'9")	2,440 (8'0")	2,365 (7'9")	2,440 (8'0")
Tread width	J	mm (ft.in)	1,930 (6'4")		1,930 (6'4")	
Bucket Hinge pin height	K	mm (ft.in)	3,748 (12'4")	3,828 (12'7")	3,748 (12'4")	3,828 (12'7")
Max. dumping angle		deg	46		46	
Max. tilt angle (on ground)		deg	46		46	
Max. tilt angle (fully raised)		deg	52		52	
Max. tilt angle (at carry)		deg	45		45	
Digging depth (0° level)		mm (ft.in)	172 (6.8")	84 (3.3")	172 (6.8")	92 (3.6")
Max. steering angle		deg	40		40	
Turning radius (at tire center)		mm (ft.in)	4,949 (16'3")		4,949 (16'3")	
Static Tipping Load (straight)		kg (lb)	8,000 (17,636)	8,150 (17,960)	7,700 (16,986)	7,850 (17,310)
Static Tipping Load (full turn)		kg (lb)	6,950 (15,320)	7,080 (15,600)	6,750 (14,880)	6,880 (15,160)



Seoul Office :

Doosan Tower 27th FL. 18-12, Euljiro-6Ga,
Jung-Gu, Seoul, Korea 100-730

Tel : +82-2-3398-8114

Fax : +82-2-3398-8117

www.doosaninfracore.com

Doosan Infracore Europe S.A.

1A, Rue Achille Degrâce, 7080 Frameries, Belgium
Tel : +32-65-61-3230 Fax : +32-65-67-7338

Doosan Infracore U.K., Ltd.

Doosan House, Unit 6, 3 Heol Y Gamlas, Parc Nantgarw, Nantgarw,
Cardiff. CF15 7QU, U.K.
Tel : +44-1443-84-2273 Fax : +44-1443-84-1933

Doosan Infracore Europe S.A. Germany

Heinrich-von-Stephan str. 2 40764 Langenfeld , Germany
Tel : +49-2173-2035-210 Fax : +49-2173-2035-219

Doosan Infracore France

ZAC de La Clef Saint Pierre - Buroplus 2 1A Avenue Jean d'Alembert
78990 Elancourt, France
Tel : +33-(0)1-30-16-21-41 Fax : +33-(0)1-30-16-21-44

Doosan Infracore America Corporation

2905 Shawnee Industrial Way, Suwanee, Georgia 30024, U. S. A
Tel : +1-770-831-2200 Fax : +1-770-831-0480

Doosan Infracore China Co., Ltd.

#28, Wuzhishan Road, Eco. & Tech, Development Zone, Yantai, Shandong, China
Tel : +86-535-638-2000 Fax : +86-535-638-2004

Doosan Infracore South Africa (PTY) LTD.

60C Electron Road, Isando 1600, Johannesburg, South Africa
Tel : 27-11-974-2095 Fax : 27-11-974-2778

Doosan Infracore Middle East Center (Dubai)

P.O.Box 183127, Al-Serkal Building, Air Port Road, Dubai, U.A.E
Tel : +971-4-295-2781~2 Fax : +971-4-295-2783

Doosan Infracore Latinamerica oficina (Colombia)

Dia gonal 127 A No. 17-14, oficina 302 Bogota, Colombia
Tel : +571-216-1655 Fax : +571-648-7700



PBP M200_M200TC W5 0705

The illustrations do not necessary show the product in standard version.
All products and equipments are not available in all markets.
Materials and specifications are subjects to change without prior notice.