# HDTITAN IRON



# **PRODUCT CHARACTERISTICS**



# **Two Side Pilot Operation**

Titan's pilot handle system is paired with a load-sensing multiplex valve, providing smoother control and sharper response. Operators will immediately notice the enhanced feel and precision while operating.

# **Digital Display Instrument**

The integrated digital instrument panel on the console has a large screen, simple display, and is easy to read. Moreover, due to its position on the side of the seat, it can be used to check various items with minimal visual movement during operation. Necessary information can be displayed through simple operations, and function buttons are located below the LCD to improve operability.







Lamp indicator ligh











Oil pressure alarm

#### **Power Switch**

The main switch of the power supply can be turned off with just one click, which can prevent power loss and fully protect the equipment during long-term shutdown.





#### **Backfill Blades**

The double-layer widened and thickened Backfill Blades has a longer service life.



### **Wiper**

During rainy conditions,
Titan allows the operator to
maintain clear visibility
through the front window,
enhancing safety and control
while operating.



# **One-Piece Cylinder Rod**

Titan utilizes a one-piece forged hydraulic cylinder rod designed for exceptional strength and precision. This heavy-duty construction minimizes the risk of breakage and ensures reliable performance in demanding work environments.

#### **Safety Pilot Lock**

Safely Operate the pilot lock handle to prevent misoperation.







Bucket Capacity(ft.3)         1.27           Travel Speed low/high speed(mph)         0-0.93/0-1.74           Grade ability (%)         30%           Ground pressure (Psi)         4.55           Maximum Digging Force(lbf)         3372           Maximum Digging Radius (in)         163.1           Maximum Digging Depth (in)         90.3           Maximum Digging Height (in)         143.1           Maximum Unloading Height (in)         93.58           Engine Brand         KUBOTA           Engine Model         D1105           Maximum Horsepower (hp)         24.4           Maximum Power (Kw)         18.2           Maximum Speed (rpm)         3000           Displacement (gal)         0.3           Numbers Of Cylinders         3           Cooling Method         Water Cooling           Engine Oil Change Amount (gal)         1.06           Fuel Form         Diesel           Fuel Grade         0/-10           Theoretical Fuel Consumption (L/H)         1.3-1.5           Transport Length (in)         51.18           Transport Width (in)         15.7           Boom Length (in)         73.6           Stick Length (in)         36.4           Bac	Operating Weight(lbs)	4000
Grade ability (%) Ground pressure (Psi) Maximum Digging Force(lbf) Maximum Digging Radius (in) Maximum Digging Depth (in) Maximum Digging Height (in) Maximum Digging Height (in) Maximum Unloading Height (in) Braine Brand Engine Brand Engine Model Maximum Horsepower (hp) Maximum Horsepower (hp) Maximum Power (Kw) Maximum Speed (rpm) Moule For Maximum Flow (GPM)	Bucket Capacity(ft.3)	1.27
Ground pressure (Psi)  Maximum Digging Force(Ibf)  Maximum Digging Radius (in)  Maximum Digging Radius (in)  Maximum Digging Depth (in)  Maximum Digging Depth (in)  Maximum Digging Height (in)  Maximum Unloading Height (in)  Engine Brand  KUBOTA  Engine Model  D1105  Maximum Horsepower (hp)  Maximum Power (Kw)  Maximum Speed (rpm)  Displacement (gal)  Numbers Of Cylinders  Cooling Method  Water Cooling  Engine Oil Change Amount (gal)  Fuel Grade  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  Boom Length (in)  Backfill Blades Width (in)  Main Pump Brand  Main Pump Maximum Flow (GPM)  Maximum Digging Radius (in)  163.1  Maximum Digging Radius (in)  143.3  Main Pump Maximum Flow (GPM)  Maximum Digging Radius (in)  163.1  Maximum Digging Radius (in)  143.3  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  Maximum Digging Radius (in)  143.1  Maximum Digging Radius (in)  163.1	Travel Speed low/high speed(mph)	0-0.93/0-1.74
Maximum Digging Force(lbf)3372Maximum Digging Radius (in)163.1Maximum Digging Depth (in)90.3Maximum Digging Height (in)143.1Maximum Unloading Height (in)93.58Engine BrandKUBOTAEngine ModelD1105Maximum Horsepower (hp)24.4Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Grade ability (%)	30%
Maximum Digging Radius (in)163.1Maximum Digging Depth (in)90.3Maximum Digging Height (in)143.1Maximum Unloading Height (in)93.58Engine BrandKUBOTAEngine ModelD1105Maximum Horsepower (hp)24.4Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Ground pressure (Psi)	4.55
Maximum Digging Depth (in)90.3Maximum Digging Height (in)143.1Maximum Unloading Height (in)93.58Engine BrandKUBOTAEngine ModelD1105Maximum Horsepower (hp)24.4Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Maximum Digging Force(lbf)	3372
Maximum Digging Height (in)143.1Maximum Unloading Height (in)93.58Engine BrandKUBOTAEngine ModelD1105Maximum Horsepower (hp)24.4Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Maximum Digging Radius (in)	163.1
Maximum Unloading Height (in)93.58Engine BrandKUBOTAEngine ModelD1105Maximum Horsepower (hp)24.4Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Maximum Digging Depth (in)	90.3
Engine Brand Engine Model D1105  Maximum Horsepower (hp) 24.4  Maximum Power (Kw) 18.2  Maximum Speed (rpm) 3000 Displacement (gal) 0.3  Numbers Of Cylinders 3  Cooling Method Water Cooling Engine Oil Change Amount (gal) 1.06  Fuel Form Diesel Fuel Grade 0/-10  Theoretical Fuel Consumption (L/H) 1.3-1.5  Transport Length (in) 120.3  Transport Width (in) 15.7  Boom Length (in) Stick Length (in) 36.4  Backfill Blades Width (in) Main Pump Type/Model Main Pump Brand Parker  Main Pump Maximum Flow (GPM) Multi-Way Valve  8-Way Hydraulic Control V	Maximum Digging Height (in)	143.1
Engine Model D1105  Maximum Horsepower (hp) 24.4  Maximum Power (Kw) 18.2  Maximum Speed (rpm) 3000  Displacement (gal) 0.3  Numbers Of Cylinders 3  Cooling Method Water Cooling  Engine Oil Change Amount (gal) 1.06  Fuel Form Diesel  Fuel Grade 0/-10  Theoretical Fuel Consumption (L/H) 1.3-1.5  Transport Length (in) 120.3  Transport Width (in) 51.18  Transport Height (in) 80.24  Bucket Width (in) 15.7  Boom Length (in) 73.6  Stick Length (in) 36.4  Backfill Blades Width (in) 43.3  Main Pump Type/Model Gear Pump  Main Pump Brand Parker  Main Pump Maximum Flow (GPM) 9.72  Multi-Way Valve 8-Way Hydraulic Control V	Maximum Unloading Height (in)	93.58
Maximum Horsepower (hp)  24.4  Maximum Power (Kw)  18.2  Maximum Speed (rpm)  3000  Displacement (gal)  0.3  Numbers Of Cylinders  3  Cooling Method  Engine Oil Change Amount (gal)  Fuel Form  Diesel  Fuel Grade  0/-10  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  80.24  Bucket Width (in)  Boom Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Main Pump Brand  Main Pump Maximum Flow (GPM)  Multi-Way Valve  8-Way Hydraulic Control V	Engine Brand	KUBOTA
Maximum Power (Kw)18.2Maximum Speed (rpm)3000Displacement (gal)0.3Numbers Of Cylinders3Cooling MethodWater CoolingEngine Oil Change Amount (gal)1.06Fuel FormDieselFuel Grade0/-10Theoretical Fuel Consumption (L/H)1.3-1.5Transport Length (in)120.3Transport Width (in)51.18Transport Height (in)80.24Bucket Width (in)15.7Boom Length (in)36.4Backfill Blades Width (in)43.3Main Pump Type/ModelGear PumpMain Pump BrandParkerMain Pump Maximum Flow (GPM)9.72Multi-Way Valve8-Way Hydraulic Control V	Engine Model	D1105
Maximum Speed (rpm)  Displacement (gal)  Numbers Of Cylinders  Cooling Method  Engine Oil Change Amount (gal)  Fuel Form  Diesel  Fuel Grade  O/-10  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  Boom Length (in)  Stick Length (in)  Main Pump Type/Model  Main Pump Brand  Main Pump Maximum Flow (GPM)  Main Pump Maximum Flow (GPM)  Main Sudan Amount (gal)  Nater Cooling  Water Cooling  1.06  Water Cooling  1.06  Fuel Form  Diesel  1.06  Fuel Form  Diesel  1.06  Fuel Form  Diesel  1.06  1.06  Fuel Form  Diesel  1.13-1.5  Transport Width (in)  1.3-1.5  Transport Height (in)  51.18  Transport Height (in)  80.24  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve	Maximum Horsepower (hp)	24.4
Displacement (gal)  Numbers Of Cylinders  Cooling Method  Engine Oil Change Amount (gal)  Fuel Form  Diesel  Fuel Grade  O/-10  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  Bucket Width (in)  Stick Length (in)  Stick Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Main Pump Maximum Flow (GPM)  Multi-Way Valve  Semantic Salar Sa	Maximum Power (Kw)	18.2
Numbers Of Cylinders  Cooling Method  Engine Oil Change Amount (gal)  Fuel Form  Diesel  Fuel Grade  O/-10  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  Bucket Width (in)  Bucket Width (in)  Stick Length (in)  Stick Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  Multi-Way Valve  S-Way Hydraulic Control V	Maximum Speed (rpm)	3000
Cooling Method Water Cooling Engine Oil Change Amount (gal) 1.06 Fuel Form Diesel Fuel Grade 0/-10 Theoretical Fuel Consumption (L/H) 1.3-1.5 Transport Length (in) 120.3 Transport Width (in) 51.18 Transport Height (in) 80.24 Bucket Width (in) 15.7 Boom Length (in) 73.6 Stick Length (in) 36.4 Backfill Blades Width (in) 43.3 Main Pump Type/Model Gear Pump Main Pump Brand Parker Main Pump Maximum Flow (GPM) 9.72 Multi-Way Valve 8-Way Hydraulic Control V	Displacement (gal)	0.3
Engine Oil Change Amount (gal)  Fuel Form  Diesel  Fuel Grade  O/-10  Theoretical Fuel Consumption (L/H)  Transport Length (in)  Transport Width (in)  Transport Height (in)  Bucket Width (in)  Stick Length (in)  Stick Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  Multi-Way Valve  S-Way Hydraulic Control V	Numbers Of Cylinders	3
Fuel Form Diesel  Fuel Grade 0/-10  Theoretical Fuel Consumption (L/H) 1.3-1.5  Transport Length (in) 120.3  Transport Width (in) 51.18  Transport Height (in) 80.24  Bucket Width (in) 15.7  Boom Length (in) 73.6  Stick Length (in) 36.4  Backfill Blades Width (in) 43.3  Main Pump Type/Model Gear Pump  Main Pump Brand Parker  Main Pump Maximum Flow (GPM) 9.72  Multi-Way Valve 8-Way Hydraulic Control V	Cooling Method	Water Cooling
Fuel Grade 0/-10 Theoretical Fuel Consumption (L/H) 1.3-1.5 Transport Length (in) 120.3 Transport Width (in) 51.18 Transport Height (in) 80.24 Bucket Width (in) 15.7 Boom Length (in) 73.6 Stick Length (in) 36.4 Backfill Blades Width (in) 43.3 Main Pump Type/Model Gear Pump Main Pump Brand Parker Main Pump Maximum Flow (GPM) 9.72 Multi-Way Valve 8-Way Hydraulic Control V	Engine Oil Change Amount (gal)	1.06
Theoretical Fuel Consumption (L/H)  1.3-1.5  Transport Length (in)  120.3  Transport Width (in)  51.18  Transport Height (in)  80.24  Bucket Width (in)  15.7  Boom Length (in)  73.6  Stick Length (in)  36.4  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Fuel Form	Diesel
Transport Length (in)  120.3  Transport Width (in)  51.18  Transport Height (in)  80.24  Bucket Width (in)  15.7  Boom Length (in)  73.6  Stick Length (in)  36.4  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Fuel Grade	0/-10
Transport Width (in)  51.18  Transport Height (in)  80.24  Bucket Width (in)  15.7  Boom Length (in)  73.6  Stick Length (in)  36.4  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Theoretical Fuel Consumption (L/H)	1.3-1.5
Transport Height (in)  Bucket Width (in)  Boom Length (in)  Stick Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  Multi-Way Valve  8-Way Hydraulic Control V	Transport Length (in)	120.3
Bucket Width (in)  Boom Length (in)  73.6  Stick Length (in)  36.4  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Transport Width (in)	51.18
Boom Length (in)  73.6  Stick Length (in)  36.4  Backfill Blades Width (in)  43.3  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Transport Height (in)	80.24
Stick Length (in)  Backfill Blades Width (in)  Main Pump Type/Model  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  Multi-Way Valve  8-Way Hydraulic Control V	Bucket Width (in)	15.7
Backfill Blades Width (in)  Main Pump Type/Model  Gear Pump  Main Pump Brand  Parker  Main Pump Maximum Flow (GPM)  9.72  Multi-Way Valve  8-Way Hydraulic Control V	Boom Length (in)	73.6
Main Pump Type/Model Gear Pump  Main Pump Brand Parker  Main Pump Maximum Flow (GPM) 9.72  Multi-Way Valve 8-Way Hydraulic Control V	Stick Length (in)	36.4
Main Pump Brand Parker  Main Pump Maximum Flow (GPM) 9.72  Multi-Way Valve 8-Way Hydraulic Control V	Backfill Blades Width (in)	43.3
Main Pump Maximum Flow (GPM) 9.72  Multi-Way Valve 8-Way Hydraulic Control V	Main Pump Type/Model	Gear Pump
Multi-Way Valve 8-Way Hydraulic Control V	Main Pump Brand	Parker
• • • • • • • • • • • • • • • • • • • •	Main Pump Maximum Flow (GPM)	9.72
Rate Set Pressure (psi) 2611	Multi-Way Valve	8-Way Hydraulic Control Valve
	Rate Set Pressure (psi)	2611
Maximum Set Pressure (psi) 2901	<u> </u>	2901
Travel Hydraulic Motor Type BWV-800WCD	<u>" '</u>	RW//-800W/CD