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Komatsu D31PX-22 Crawler Tractor



Units

Imperial

Metric

Dimensions

Dimensions

A	Length W/ Blade	13.7 ft in
B	Width Over Tracks	6.27 ft in
C	Height To Top Of Cab	9.06 ft in
D	Length Of Track On Ground	7.17 ft in

E	<b>Ground Clearance</b>	1.04 ft in
Undercarriage		
G	<b>Track Gauge</b>	4.96 ft in
H	<b>Standard Shoe Size</b>	15.75 in
	<b>Number Of Track Rollers(Each Side)</b>	6
	<b>Ground Contact Area</b>	2713 in2
	<b>Shoe Width (Standard)</b>	15.75 in
	<b>Suspension</b>	Rigid type
	<b>Track Rollerframe</b>	Monochoque,large Section
	<b>Type Of Shoes(Standard)</b>	Single grouser
	<b>Rollers And Idlers</b>	Lubricated track rollers
	<b>Ground Pressure</b>	6.68 psi
	<b>Grouser Height</b>	1.86 in
	<b>Length Of Track Ground</b>	86.03 in
	<b>Number Of Shoes (Each Side)</b>	40

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## Specifications

Steering System		
	<b>Minimum Turning Radius</b>	7.3 ft in
Engine		
	<b>Hydraulic Fan At Maximum Speed</b>	Net 53KW71HP@2200RPM
	<b>Lubrication Method</b>	Gear pump ,Force Lubrication
	<b>Filter</b>	Full Flow
	<b>Epa</b>	Tier -3 Emission certified
	<b>Number Of Cylinders</b>	4
	<b>Piston Displacement</b>	199 cu in
	<b>Engine Make</b>	2238
	<b>Engine Model</b>	SAA4D95LE-5*

<b>Engine Type</b>	4-Cycle,water-Cooled,Direct injection
<b>Gross Power</b>	80 hp
<b>Governor</b>	All-speed Electronic
<b>Net Power</b>	78 hp
<b>Power Measured @</b>	2200 rpm
<b>Displacement</b>	199 cu in
<b>Aspiration</b>	Turbocharged, air-to-air aftercooled
<b>Bore</b>	3.8 in
<b>Stroke</b>	4.6 in
<b>Horse Power: Sae J1995</b>	80.5 hp
<b>Horse Power: Iso 9249 / Sae J1349</b>	77.8 hp
<b>Fan Drive Type</b>	Hydraulic (Reversible for cleaning)
Capacities	
<b>Fuel Tank - Diesel</b>	51.6 gal
<b>Hydraulic Tank</b>	15.9 gal
<b>Final Drive</b>	1 gal
<b>Engine Oil</b>	3 gal
<b>Coolant</b>	4.8 gal
Operational	
<b>Operating Weight</b>	18055.9 lb
<b>Fuel Capacity</b>	51.6 gal
<b>Cooling System Fluid Capacity</b>	4.8 gal
<b>Engine Oil Capacity</b>	3 gal
<b>Hydraulic Fluid Capacity</b>	15.9 gal
<b>Final Drives Fluid Capacity</b>	1 gal
<b>Operating Voltage</b>	24 V
<b>Alternator Supplied Amperage</b>	35 amps

## Transmission

<b>Transmission Type</b>	dual-path, hydrostatic
<b>Number Of Forward Gears</b>	3
<b>Number Of Reverse Gears</b>	3
<b>Max Speed - Forward</b>	5.3 mph
<b>Max Speed - Reverse</b>	5.3 mph

## Weights

<b>Tractor Weight - Rops Canopy</b>	15234 lb
<b>Tractor Weight - Rops Cab</b>	16137.9 lb
<b>Operating Weight - Rops Canopy</b>	17923.6 lb
<b>Operating Weight - Rops Cab</b>	18827.5 lb

## Hydraulic System

<b>Blade Lift(No.Of.Cylinders)</b>	2
<b>Blade-Tilit(No.Of.Cylinders)</b>	1
<b>Blade Angle(No.Of.Cylinders)</b>	2
<b>Blade Lift(Bore)</b>	0.3 ft in
<b>Blade-Tilit(Bore)</b>	0.3 ft in
<b>Blade Angle(Bore)</b>	0.3 ft in
<b>Hydraulic Oil Capacity(Power Angle Tilt Dozer)</b>	15.9 gal
<b>Pump Type</b>	Piston-type
<b>Relief Valve Pressure</b>	3983 psi
<b>Pump Flow Capacity</b>	26.2 gal/min

## Standard Blade

<b>Width</b>	8.4 ft in
<b>Height</b>	33.1 in
<b>Capacity</b>	2.2 yd3
<b>Blade Angle (Both Directions)</b>	25 degrees
<b>Cutting Depth</b>	15.4 in

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Net Power	65 hp
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