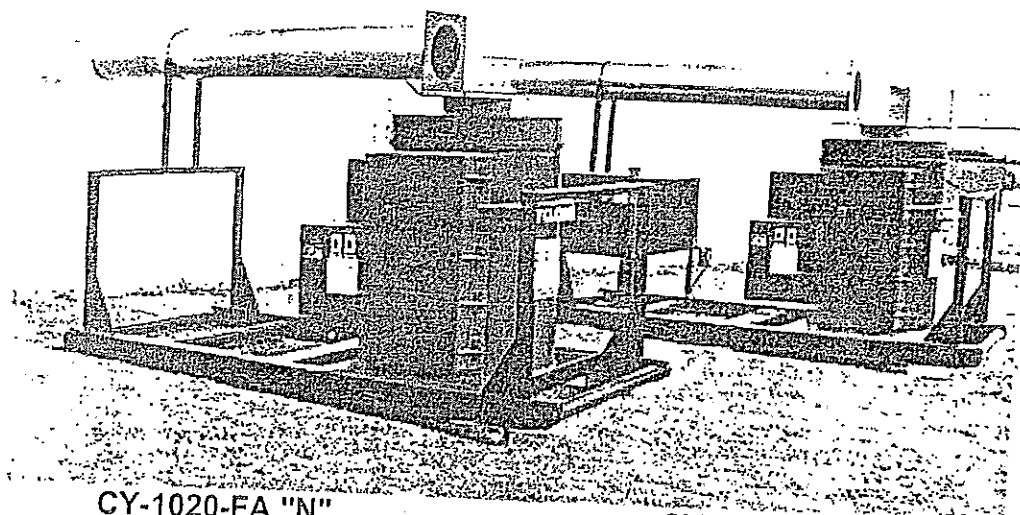


WESTLAND

SINGLE CHAMBER CYCLONATOR INCINERATOR SERIES CY1000



CY-1020-FA "N"

CY-1020-FA "D"

- Built In Safety Features
- Readily Transportable
- Economical Operation
- Clean Burning

Designed for Petroleum, Mining, and Lumber Industries

Capacity

0.6 m³, 64 Kg per hour
Type No. 1, 2, & 3 waste.

Power Requirements

115 volts 60 cycle single phase

Stack

Stainless Steel - 14 gauge
- 33 cm diameter
- 3 m high
- c/w stainless steel
Spark arrester
- a hinged base plate
For moving

Casing

12 gauge steel
Lining: high heat duty castable
Refractory over high temperature
Insulation

Hearth

Refractory hearth over 6.35 mm steel base

Doors

6.35-mm steel plate c/w heavy-duty blade
Latch.
Charging: - 46 cm x 61 cm clear opening
- Refractory lined over steel
plate

Ash: - 46 cm x 30 cm clear opening
- Refractory lined over steel plate

Air Supply

Forced air fan c/w duct to primary
air jets and to secondary and over-
fire air jets.

Timers

Cycle timer interconnected to air
supply fan and gun type burner
enclosed in burner housing

Burner

500,000 BTU gun type oil burner
Gun burner enclosed in protective
plate steel housing

Fuel Supply

450-liter fuel storage tank c/w filter
And flexible hose type connection.

Transporter

Incinerator and fuel storage mounted
On skid type frame 365 cm long x 152 cm
Wide.
Height: 2.13 M tall, with stack folded.
constructed of 15 cm I Beam c/w
bumper posts.

Weight

1815 Kg.

Options

- * Double chamber cyclonator 2000 series
- * LPG Fired burner
- * Natural gas fired burner
- * 23 m Electric power cord
- * Stack winch
- * 1.4 m³ model 1050.
- * Cold climate assembly.

Head Office:

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Phone: (780) 447-5052 Fax: (780) 447-4912

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WESTLAND

INCINERATOR CO. LTD.

12-A Vandana Bldg, 11 Tolstoy Marg, New Delhi, India, 110001

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E-MAIL vishal@ketek.ca

Specifications for core saw

3HP electric motor

220v/15A draw

single phase 60Hz

Dimensions

19" wide x 39" long x 31" high

100 kg total weight

14" diameter diamond blade

Water cooled blade

water pump for recirculation

water receptacle (18" wide x 31" long x 4" high; 36 litre capacity)

Polaris 325 – 4x4 Quad – for use in transporting field equipment from the esker airstrip to the camp (300m) with a small 80lb 4 wheeled quad trailer.

Engine

Displacement	325 cc
Engine Type	4-stroke
Cooling	Air-cooled w/fan-assisted oil cooler
Lubrication	Wet sump
Oil Capacity	1.9 qts/1.8 ltr
Carburetion	31 mm - CV Mikuni
Fuel Capacity	3.25 gal/12.3 ltr
Coolant Capacity	N/A
Starting System	Electric with recoil backup
Alternator	200 watts

Drivetrain

Drive System	Shaft Ride System
Transmission	Automatic PVT (Polaris Variable Transmission)
Gear Range	E-Z shift high/low and reverse
Front Wheel Drive	Thumb-switch engage On-Demand true 4-wheel shaft drive
Rear Wheel Drive	Shaft

Suspension

Front Suspension Type	MacPherson strut with 6.7 in/17.0 cm of travel
Rear Suspension Type	Progressive rate swing arm with 7.1 in/18.0 cm of travel
Rear Shock	2 in gas-charged twintube shock with Tractionline mount

Brakes

Front Brakes	Single-lever hydraulic disc
Rear Brakes	Hydraulic rear foot brake
Rear Caliper	Hydraulic, floating caliper
Rear Disc	Rear axle fixed disc
Parking Brake	Hydraulic lock, all wheel

Tires

Front Tire 24 x 8-12 (4 psi)

Rear Tire 24 x 11.5-12 (3 psi)

Dimensions

Wheelbase 49.75 in/126.4 cm

Turning Radius (Approximate) 85 in/215.9 cm

Dry Weight 634 lbs/287.6 kgs

Length 81 in/205.7 cm

Height 46 in/116.8 cm

Height 46 in/116.8 cm

Capacities

Front Rack Capacity* 90 lbs/40.8 kgs*

Rear Rack Capacity* 180 lbs/81.6 kgs*

Hitch Towing Capacity* 850 lbs/385.6 kgs*

Hitch Tongue Capacity* 30 lbs/13.6 kgs*

Electrical

Brake Light Standard

Handlebar Headlight N/A

Hood Headlight N/A

Grill Headlight 2 dual beam high/low 30/30 watt qtz halogen

DC Outlet Accessory

Instrumentation

Speedometer / Odometer Accessory

Hourmeter Accessory

Trip Odometer Accessory

High Beam Indicator Standard

Neutral/Reverse Light Standard

High Temperature Light Standard

Snow Machine [Close window]

Cross Country -> Mx Z 440

ENGINE

Engine	Rotax 443 Axial-fan-Cooled W / Piston porting
Cylinders	2
Displacement	436.6 cc / 26.6 in ³
Bore	67.5 mm / 2.7 in
Stroke	61.0 mm / 2.4 in
Carburation	2 x VM-34 (choke)
Exhaust System	Tuned muffler

POWERTRAIN

Drive Pulley Type	Cushion drive T.R.A.C.
Driven Pulley Type	Formula, cam on countershaft
Maximum speed	7000 rpm
Engagement	3700 rpm
Pulleys Center Distance	257.5 mm / 10.1 in
Small Sprocket Number Of Teeth	21
Large Sprocket Number Of Teeth	44
Drive Sprocket diameter	179 mm / 7.05 in
Brake System	Hydraulic disc. Self-adjusting

CAPACITIES

Fuel	37 Liters / 9.8 Gal (US)
Recommended Fuel Type	Regular unleaded
Minimum Octane	87
Oil	2.55 Liters / 2.4 Quarts (US)
Lighting System Output (AC)	240 @ 6000 RPM
Headlamp Bulb Hi / Low Beam	1 x 60 / 55 w (H-4)

SUSPENSION

Front Suspension	DSA / Swing Arm / Radius Rods Sway Bar (Formed Shape)
Front Shock	2 Motion Control Gas Shocks
Front Suspension / Max. Vert. Travel	196.0 mm / 7.7 in
Rear Suspension	SC - 10 Sport
Front Arm Shock	1 Motion Control Gas Shock
Rear Arm Shock	1 High-Pressure Gas (H.P.G.)
Rear Suspension / Max. Vert. Travel	254.0 mm / 10.0 in

MATERIALS

Front Member & Frame Material	Aluminum
Hood	RRIM / Polyurethane
Belly Pan	Impact resistant copolymer
Skis	Plastic (Flex)

DIMENSIONS

Vehicle Overall Length	2725 mm / 107.3 in
Vehicle Overall Width	1175 mm / 46.3 in
Vehicle Overall Height	1169 mm / 46.0 in

Official Dry Weight	201 kg / 442 lbs
Ski Stance	1041 mm / 41.0 in
Ski Overall Length	997 mm / 39 in
Ski Width	133 mm / 5.3 in
Track Nominal Width	381 mm / 15 in
Track Nominal Length	3074 mm / 121 in
Track profile height	18.4 mm / 0.72 in
STANDARD EQUIPMENT	
	Seating: 1 Handlebar: Straight Heated Grips / Throttle Speedometer / Tripmeter (White Facia) Fuel Gauge: Mechanical Windshield: Medium Profile Carbides: 7 Throttle: 1 Stage
OPTIONAL EQUIPMENT	
	Electric starter Gauge, tachometer, White facia Grill kit (adjustable) (S series), Black B-160 Heated visor quick connect kit Hitch, hook type Hitch, tongue type Mirrors, kit (S series) Nonskid strip kit, Black B-160 Proactive Control System, Black (Flex ski) Reverse mechanical Short brake lever Ski plastic (Flex), Amethyst M-530 Ski plastic (Flex), Blue B-182 Ski plastic (Flex), Viper Red B-176 Ski plastic (Flex), Yellow B-190 Ski runner (Flex) Ski steel wide (S series) Slider shoe SC-10, Amethyst Slider shoe SC-10, Black Slider shoe SC-10, Blue Slider shoe SC-10, Viper Red Slider shoe SC-10, Yellow Toe hold adjustable kit Tunnel protector kit Windshield S series (High) without windshield support Windshield S series (Low) without windshield support

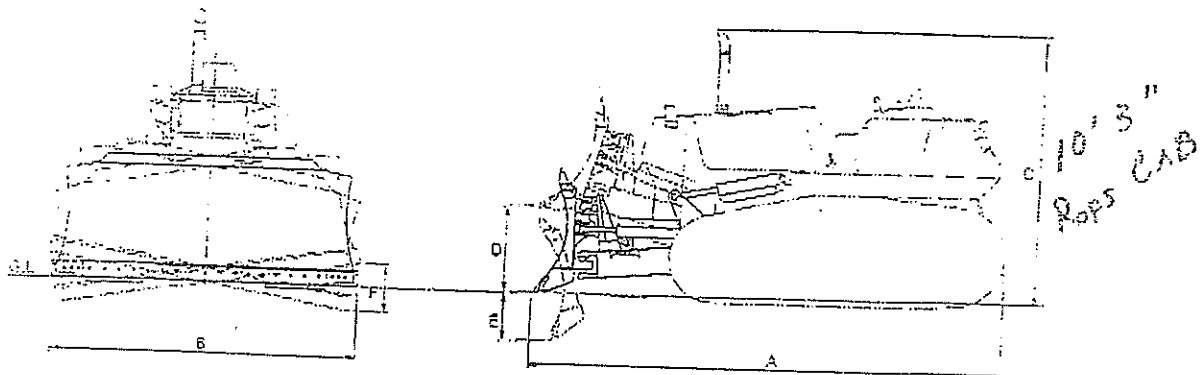
Disclaimer

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Because of our ongoing commitment to product quality and innovation, we reserve the right to discontinue or change specifications, prices, designs, features, models or equipment without incurring obligation.

Blade Specifications Power Angle-tiltdozer

BULLDOZERS



Item		Model	D61EX-12	D61EX-12***	D61EX-12 LT	D61PX-12
OPERATING WEIGHT**		kg (lb)	15470 (34,110)	15630 (34,460)	16250 (35,810)	17120 (37,930)
BLADE CAPACITY LH*** SAE		m ³ (yd ³)				
DIMENSION*			3.4 (4.4)	3.8 (5.0)	3.4 (4.4)	3.8 (5.0)
a	Overall length	mm (ft.in)	5030 (16'6")	5030 (16'6")	5440 (17'10")	5440 (17'10")
	Overall width	mm (ft.in)	3275 (10'9")	3860 (12'8")	3275 (10'9")	3860 (12'8")
	Overall height	mm (ft.in)	2945 (9'8")	2945 (9'8")	2945 (9'8")	2945 (9'8")
	Ground pressure	kg/cm ² (PSI)	0.50 (7.11)	0.50 (7.11)	0.43 (6.11)	0.32 (4.55)
DOZER EQUIPMENT						
b	Weight	kg (lb)	Inside mount 2340 (5,160)	Inside mount 2500 (5,510)	Inside mount 2480 (5,470)	Inside mount 2630 (5,800)
	Includes hydraulic control unit					
c	Length	mm (ft.in)	3275 (10'9")	3860 (12'8")	3275 (10'9")	3860 (12'8")
	Height	mm (ft.in)	1200 (3'11")	1160 (3'10")	1230 (3'11")	1160 (3'10")
d	Max. lift above ground	mm (ft.in)	915 (3')	915 (3')	945 (3'1")	1020 (3'4")
	Max. drop below ground	mm (ft.in)	515 (1'8")	515 (1'8")	550 (1'10")	575 (1'11")
e	Max. tilting adjustment	mm (ft.in)	510 (1'8")	600 (2')	515 (1'9")	600 (2')
	Angling angle (L/R)	degree	25/25	25/25	25/25	25/25

* Including dozer equipment in addition to bare tractor, excluding ROPS and cab.
 ** Blade length H: Blade height
 *** With wide power angle-tiltdozer

Specifications

CRAWLER-TYPE TRACTORS

Model:		D61EX-12	D61EX-12 LT	D65E-12	D65EX-12	
WEIGHT*		kg (lb)	13130 (28,950)	13830 (30,490)	15620 (34,440)	15570 (34,350)
HORSEPOWER		HP (kW)/RPM	150 (112)/1850	150 (112)/1850	180 (133)/1950	180 (133)/1950
RANGE:		km/h (MPH)				
1st			3.5 (2.2)	3.5 (2.2)	3.9 (2.4)	3.9 (2.4)
2nd			6.0 (3.7)	6.0 (3.7)	6.6 (4.2)	6.6 (4.2)
3rd			10.3 (6.4)	10.3 (6.4)	10.6 (6.6)	10.6 (6.6)
4th			—	—	—	—
5th			—	—	—	—
Reverse 1st			4.6 (1.9)	4.6 (1.9)	5.0 (3.1)	5.0 (3.1)
2nd			7.9 (4.9)	7.9 (4.9)	8.6 (5.3)	8.6 (5.3)
3rd			12.8 (8.0)	12.8 (8.0)	13.4 (8.3)	13.4 (8.3)
4th			—	—	—	—
Crawler pull		kg (lb/kN)	—	—	—	—
DIMENSIONS:						
Overall length		mm (ft.in)	3935 (12'11")	4160 (13'6")	4365 (14'4")	4365 (14'4")
Overall width (w/o running)		mm (ft.in)	2500 (8'2")	2500 (8'2")	2600 (8'6")	2600 (8'6")
Overall height (at transport)**		mm (ft.in)	2195 (7'2")	2195 (7'2")	2330 (7'8")	2330 (7'8")
Track gauge		mm (ft.in)	1900 (6'3")	1900 (6'3")	1980 (6'6")	1980 (6'6")
Height of track on ground		mm (ft.in)	2600 (8'6")	3170 (10'5")	3378 (11'1")	3378 (11'1")
Engine:						
Cylinders			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Bore x stroke		mm (in)	S6D114E	S6D114E	S6D125E	S6D125E
Displacement		lit. (cu.in)	6-114 x 135 (4.49 x 5.31)	6-114 x 135 (4.49 x 5.31)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.92 x 5.91)
CARRIAGE:						
Rollers (carrier/track)			2/6	2/6	2/7	2/7
Height of shoe		mm (in)	600 (23.6)	600 (23.6)	610 (24.0)	610 (24.0)
Fuel (Refilled):		lit. (U.S.Gal)	315 (83.2)	315 (83.2)	406 (107)	406 (107)

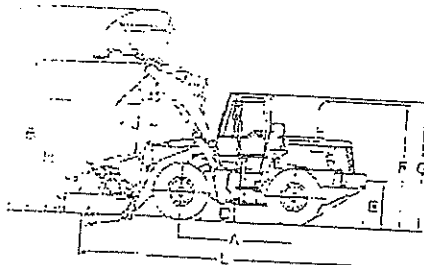
Model		D65EX-12 LT	D70LE-2	D65E-2	D65EX-2
WEIGHT*		kg (lb)	16405 (36,170)	13550 (30,000)	14000 (31,000)
HORSEPOWER		HP (kW)/RPM	190 (142)/1950	185 (136)/1850	180 (133)/1950
RANGE:		km/h (MPH)			
1st			3.9 (2.4)	2.5 (1.6)	3.9 (2.4)
2nd			6.8 (4.2)	3.2 (2.0)	6.8 (4.2)
3rd			10.6 (6.6)	4.7 (2.9)	10.6 (6.6)
4th			—	7.0 (4.3)	—
5th			—	10.3 (6.4)	—
Reverse 1st			5.0 (3.1)	3.3 (2.0)	5.0 (3.1)
2nd			8.6 (5.3)	4.2 (2.6)	8.6 (5.3)
3rd			13.4 (8.3)	6.1 (3.8)	13.4 (8.3)
4th			—	9.1 (5.7)	—
Crawler pull		kg (lb/kN)	—	12121	—
DIMENSIONS:					
Overall length		mm (ft.in)	4365 (14'4")	4125 (13'5")	4125 (13'5")
Overall width (w/o running)		mm (ft.in)	2390 (7'10")	2490 (8'2")	2490 (8'2")
Overall height (at transport)**		mm (ft.in)	2330 (7'8")	2335 (7'8")	2335 (7'8")
Track gauge		mm (ft.in)	1860 (6'2")	1980 (6'6")	1980 (6'6")
Height of track on ground		mm (ft.in)	3285 (10'9")	2635 (8'8")	2635 (8'8")
Engine:					
Cylinders			KOMATSU	KOMATSU	KOMATSU
Bore x stroke		mm (in)	S6D125E	S6D125E	S6D125E
Displacement		lit. (cu.in)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.92 x 5.91)
CARRIAGE:					
Rollers (carrier/track)			2/8	2/7	2/8
Height of shoe		mm (in)	510 (20.1)	510 (20.1)	510 (20.1)
Fuel (Refilled):		lit. (U.S.Gal)	406 (107)	327 (86.5)	406 (107)

*Operating weight includes lubricants, coolant, full fuel tank, operator and standard equipment, without blade, rear attachment, PTO and canopy.
 **With canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.

Performance Data Dimensions

WHEEL LOADERS

18.4-25



		Unit: mm R.L.		
Tread		18.4-24 tires	14.00-24 and 17.5-25 tires	15.5-25 tires
Width over tires		1620 (5')	1820 (6')	1520 (5')
		2320 (7')	2225 (7')	2220 (7')
			2260 (7')	
A	Wheelbase	2700 (9')	2700 (9')	2700 (9')
B	Hinge pin height, max height	3545 (11')	3535 (11')	3535 (11')
C	Hinge pin height, carry position	365 (1')	365 (1')	375 (1')
D	Ground clearance	430 (1')	420 (1')	380 (1')
E	Hitch height	620 (2')	610 (2')	730 (2')
F	Overall height, top of the stack	3060 (9')	2960 (9')	2960 (9')
G	Overall height, ROFS cab	3100 (10')	3050 (10')	3050 (10')

Measured with 18.4-25 tires

		Buckets			
		I	II	III	IV
Dumping clearance, max. height and 45° dump angle*		2720 (8'11")	2630 (8'8")	2745 (9')	2690 (8'10")
Each at 2130 mm (7') cut edge clearance and 45° dump angle		1395 (4'7")	1420 (4'8")	1380 (4'6")	1410 (4'8")
Each at max. height and 45° dump angle*		970 (3'2")	1040 (3'5")	940 (3'1")	1010 (3'4")
Each with arm horizontal and bucket level		2085 (6'10")	2195 (7')	2045 (6'9")	2155 (7')
Dumping height (fully raised)		4700 (15'5")	4700 (15'5")	4645 (15'3")	4645 (15'3")
Arm length		6410 (21')	6550 (21')	6375 (20'11")	6455 (21')
Clearance circle (bucket at carry, outside corner of bucket)		10770 (35'4")	10840 (35')	10750 (35'3")	10820 (35')
Dump depth		0°	115 (4.5")	125 (5")	115 (4.5")
		10°	285 (11.2")	310 (12.2")	275 (10.8")
					305 (12')

*End of teeth or BOC

Measured with 14.00-24 and 17.5-25 tires

		Buckets			
		I	II	III	IV
Dumping clearance, max. height and 45° dump angle*		2710 (8'11")	2620 (8'8")	2715 (9')	2650 (8'8")
Each at 2130 mm (7') cut edge clearance and 45° dump angle		1405 (4'7")	1430 (4'8")	1390 (4'7")	1415 (4'8")
Each at max. height and 45° dump angle*		980 (3'3")	1050 (3'5")	950 (3'1")	1025 (3'4")
Each with arm horizontal and bucket level		2095 (6'10")	2205 (7')	2055 (6'9")	2165 (7')
Dumping height (fully raised)		4690 (15'5")	4690 (15'5")	4635 (15'3")	4635 (15'3")
Arm length		6420 (21'1")	6550 (21')	6385 (20'11")	6485 (21')
Clearance circle (bucket at carry, outside corner of bucket)		10790 (35'5")	10860 (35')	10770 (35'4")	10840 (35')
Dump depth		0°	125 (4.9")	135 (5")	125 (4.9")
		10°	295 (11.6")	320 (12.6")	285 (11.2")
					315 (12.4")

*End of teeth or BOC

Measured with 15.5-25 tires

		Buckets			
		I	II	III	IV
Dumping clearance, max. height and 45° dump angle*		2680 (8'10")	2600 (8'7")	2705 (8'10")	2630 (8'8")
Each at 2130 mm (7') cut edge clearance and 45° dump angle		1425 (4'8")	1450 (4'9")	1410 (4'8")	1435 (4'8")
Each at max. height and 45° dump angle*		1010 (3'4")	1080 (3'6")	990 (3'3")	1065 (3'5")
Each with arm horizontal and bucket level		2125 (7')	2235 (7')	2095 (6'10")	2205 (7')
Dumping height (fully raised)		4650 (15'3")	4650 (15'3")	4595 (15'1")	4595 (15'1")
Arm length		6445 (21'2")	6585 (21')	6410 (21')	6510 (21')
Clearance circle (bucket at carry, outside corner of bucket)		10830 (35'6")	10900 (35')	10810 (35'5")	10880 (35')
Dump depth		0°	155 (6.1")	165 (6.5")	155 (6.1")
		10°	325 (12.8")	350 (13.8")	315 (12.4")
					345 (13.6")

*End of teeth or BOC

Performance Data Dimensions

WHEEL LOADERS

WA180-3

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width mm (in.)	Bucket weight kg (lb)	Breakout force kN (lb)
I General-purpose bucket with bolt-on cutting edges: Loading and excavating of soil, sand and variety of other commonly handled materials.)	1.7 (2.25)	1.55 (2.02)	2440 (8')	710 (1570)	7940 (17500)
II General-purpose bucket with teeth	1.6 (2.1)	1.34 (1.75)	2440 (8')	663 (1470)	6570 (14690)
III Excavating bucket with bolt-on cutting edges	1.5 (2.0)	1.3 (1.7)	2440 (8')	725 (1600)	6200 (13800)
IV Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.)	1.5 (2.0)	1.27 (1.66)	2440 (8')	670 (1480)	6380 (14200)
V Light material bucket with bolt-on cutting edges: (A lighter-weight, large-capacity bucket.)	2.2 (2.9)	1.9 (2.5)	2440 (8')	300 (660)	5590 (12530)

Buckets	Operating weight kg/lb				Static tipping load kg (lb)											
					Straight				35° Full turn							
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
WA180-3PR	5700	5655	8715	8660	7560	7620	7645	7720	6305	6360	6385	6460	6535	6590	6615	6720
WA180-3	9130	9090	19210	19090	16670	16800	16860	17020	15000	15130	15190	15350	15420	15580	15640	15820
WA180-3R	8720	8675	8735	8810	7570	7630	7655	7730	6815	6870	6895	6970	7045	7100	7125	7220
WA180-3L	19220	19120	19260	19420	16690	16820	16880	17040	15030	15150	15210	15370	15440	15600	15660	15840
WA180-3LR	8300	8255	8815	8890	7630	7690	7715	7790	6870	6920	6945	7015	7090	7145	7170	7280
WA180-3LR	19400	19300	19430	19600	16820	16960	17010	17180	15150	15280	15340	15500	15570	15730	15790	15980
WA180-3PR	8530	8585	8645	8720	7510	7570	7595	7670	6785	6845	6870	6945	7020	7075	7100	7200
WA180-3PR	19030	18930	19060	19220	16560	16690	16750	16910	14910	15030	15090	15250	15320	15480	15540	15720
WA180-3R	8580	8635	8695	8770	7550	7610	7635	7710	6785	6850	6875	6950	7025	7080	7105	7200
WA180-3R	19140	19040	19170	19330	17090	16780	16840	17000	14930	15100	15160	15320	15390	15550	15610	15800
WA180-3LR	8750	8755	8840	8840	7600	7660	7685	7760	6840	6895	6920	6995	7070	7125	7150	7250
WA180-3LR	19290	19190	19320	19490	16760	16890	16950	17110	15060	15200	15260	15420	15490	15650	15710	15900
WA180-3PR	8790	8745	8805	8880	7630	7690	7715	7790	6870	6920	6945	7015	7090	7145	7170	7280
WA180-3PR	19280	19280	19410	19580	16820	16960	17010	17180	15150	15280	15340	15500	15570	15730	15790	15980

Dimensions, weights and performance values based on SAE J732c and J742b standards.
Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, 30% oil, and operator.
Stability and operating weight are affected by counterweight, tire size and other load factors.
The following weight changes to operating weight and static tipping load.

Weight Changes

	Change in operating weight kg (lb)		Change in tipping load kg (lb)	
			Straight	Full turn
Remove ROPS cab	-500 (-1100)		-140 (-310)	-100 (-220)
Install ROPS canopy 320 kg (710 lb)	-180 (-400)		-70 (-150)	-140 (-310)
Install steel cab 310 kg (680 lb)	-190 (-420)		-70 (-150)	-140 (-310)
Install additional counterweight	+280 (+620)		+70 (+150)	+140 (+310)