

BreakerBOSS 5D Mobile Rock Breaker Specifications:

CHASSIS: Height: 111" (2.8 m)
Width: 104" (2.6 m)
Length: 34' (10.3 m)

Inside Turning Radius: 11'2" (3.4 m)
Outside Turning Radius: 20' 11" (6.36 m)
Speeds: 1st Gear: 4.8 mph (7.7 kph)
2nd Gear: 7 mph (11.2 kph)
3rd Gear: 13.2 mph (21 kph)

Articulated 4-wheel drive, all welded, heavy plate construction with Engine end axle oscillation
Spherical Roller Bearing articulation joint designed for long life, +/- 45 degree articulation/steer angle.
Central manual greasing system, for steer cylinders and center articulation joint.

ENGINE:

Deutz TCD2012L06 177 HP (132 kW) Tier 3 MSHA
Dry element engine air intake with safety element.
Catalytic exhaust purifier/silencer.

FUEL SYSTEM:

50 gallon (189L) fuel tank with shut-off valves.
Pre-filter. Water separator. Fuel level indicator display.

TIRES:

14.00R24 heavy duty mining tires, tube type pneumatic. Includes (2) wheel chocks.

BRAKES:

SA/HR (Spring Apply / Hydraulic/Release) Parking/Emergency brake in each hydraulic wheel motor.
Closed loop hydraulic wheel end service brakes via pump over center swash plate.
Performance meets/exceeds CAN/CSA-M424 3-M90 Braking standard.

HYDRAULIC SYSTEM (CLOSED LOOP DRIVE):

Poclain over-centre hydraulic pump for forward and reverse.
Poclain hydraulic wheel motors.
40 gallon (150L) hydraulic reservoir with pressurized breather, and low level/high temperature warning switches.
Charge pressure filter, 9 micron absolute.
Hand pump used to fill hydraulic tank through 10 micron absolute filter.

HYDRAULIC SYSTEM (OPEN LOOP):

Variable displacement load-sensing hydraulic system for steering and boom functions.
Supercharged pump inlet for use at elevation.
85 gallon (321L) hydraulic reservoir for steering and boom circuit with 12 psi minimum pressurized fill cap and low level/high temperature warning switches.
Pressure filter, 10 micron absolute.
Return filter, 10 micron absolute.
24 Vdc electro-hydraulic control valves

ELECTRICAL SYSTEM:

24 Vdc 80 amp Alternator.
(2) 195 Ah 12V batteries, in series.
CANBus based electronic control system with display for all vehicle systems data.
Includes health monitoring and diagnostics for engine and HWD systems.
Flame retardant wiring.
Lockable battery disconnect.
FWD/REV high output LED drive lights.
Cab mounted high output LED work lights. Cab mounted beacon light.
Rear red marker/brake lights and back up alarm.
Horn
12V 12.5A auxiliary power outlet

TRAM CONTROLS:

Automotive style accelerator and service brake pedals.
Automatic and manual shift (1,2,3,& A select, forward and reverse).
4WD traction control system.
Steer by wire, joysticks integrated into operator seat arm rest.

CAB:

ROPS/FOPS Certified, ergonomic cab designed to meet SAE standards J898 (Control Locations for Off-Road Work Machines) and J154A (Operator Enclosures Human Factor Design Considerations).
Windshield wipers/washer system.
HVAC, with hydraulic driven AC compressor.
Safety glass windows, with rock guard over front window.
2.5 lb ABC Fire Extinguisher

ROCKBREAKING SYSTEM:

Rugged frame construction resists twisting and shock loading.
Engineered boom sections fabricated from high strength carbon steel with reinforced ends.
+/- 30 degree boom swing produced by slew bearing and single hydraulic cylinder.
Pivot pins are oversized alloy steel with replaceable bushings. All hydraulic cylinders are equipped with oversized rods and self-aligning bushings at each end to prevent side loading of cylinders during raking and breaking operations.
Proportional electro-hydraulic controls for boom functions, on/off for breaker fire, 24 volt solenoids. Joysticks located in arm rests of operator seat.
(4) Reinforced stabilizers ensure stiffness and stability during breaking operations.
BXR50 (5,000 ft-lb, 8,800 Joules Energy Class Breaker) - Boxed housing design
Choice of Breaker Tool

SUPPORT:

1 sets of Operator & Maintenance Manuals, (hard copy & on-line Parts Manuals, 1 USB stick & on-line

(OPTION) ENGINE:

Deutz TCD6.1 L6 T4F 241 HP (180kW) EPA Tier 4F & CANMET

(OPTION) HYDRAULIC ROCKBREAKER:

BXR65 (6,500 ft-lb, 8,800 Joules Energy Class Breaker) - Boxed housing design
Choice of Breaker Tool

(OPTION) PUSHER BLADE:

Single hydraulic cylinder actuated.

(OPTION) BREAKER AUTOMATIC LUBRICATION SYSTEM:

8L electric driven lube pump, uses chisel paste.

(OPTION) BOOM AND CARRIER AUTOMATIC LUBRICATION SYSTEM:

8L electric driven lube pump and dedicated grease injectors for each lubrication point on rockbreaking boom and carrier pin connections.

(OPTION) DUST SUPPRESSION SYSTEM:

24V pump c/w 75 gallon (284L) S.S. holding tank with mine water hook-up.

(OPTION) FIRE SUPPRESSION:

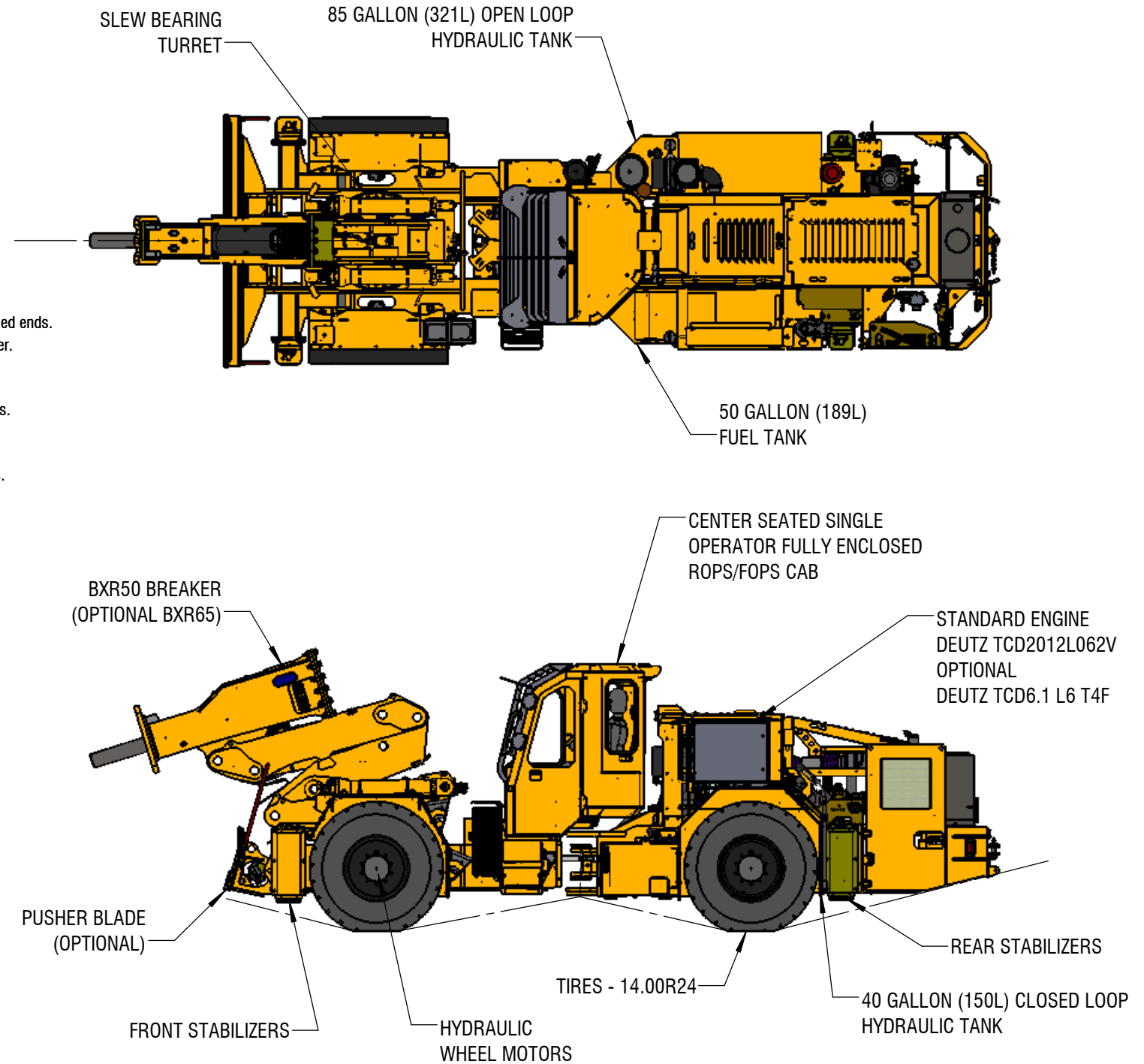
ANSUL LVS-30 Liquid chemical, 6 nozzle, manually activated.

(OPTION) SPARE TIRE AND RIM ASSEMBLY:

14.00R24 heavy duty mining tire


(OPTION) RADIO REMOTE CONTROL SYSTEM:

To control rockbreaking boom system and tram functions for distance up to 160 ft (50 m).



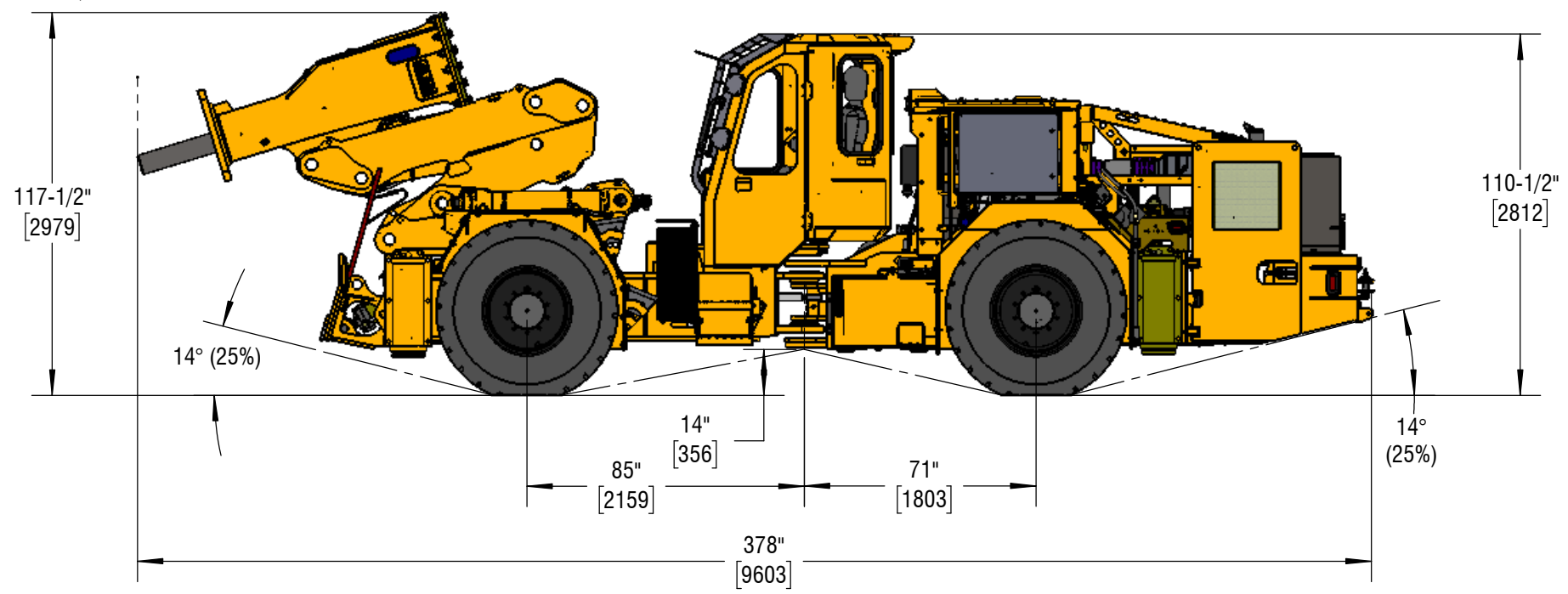
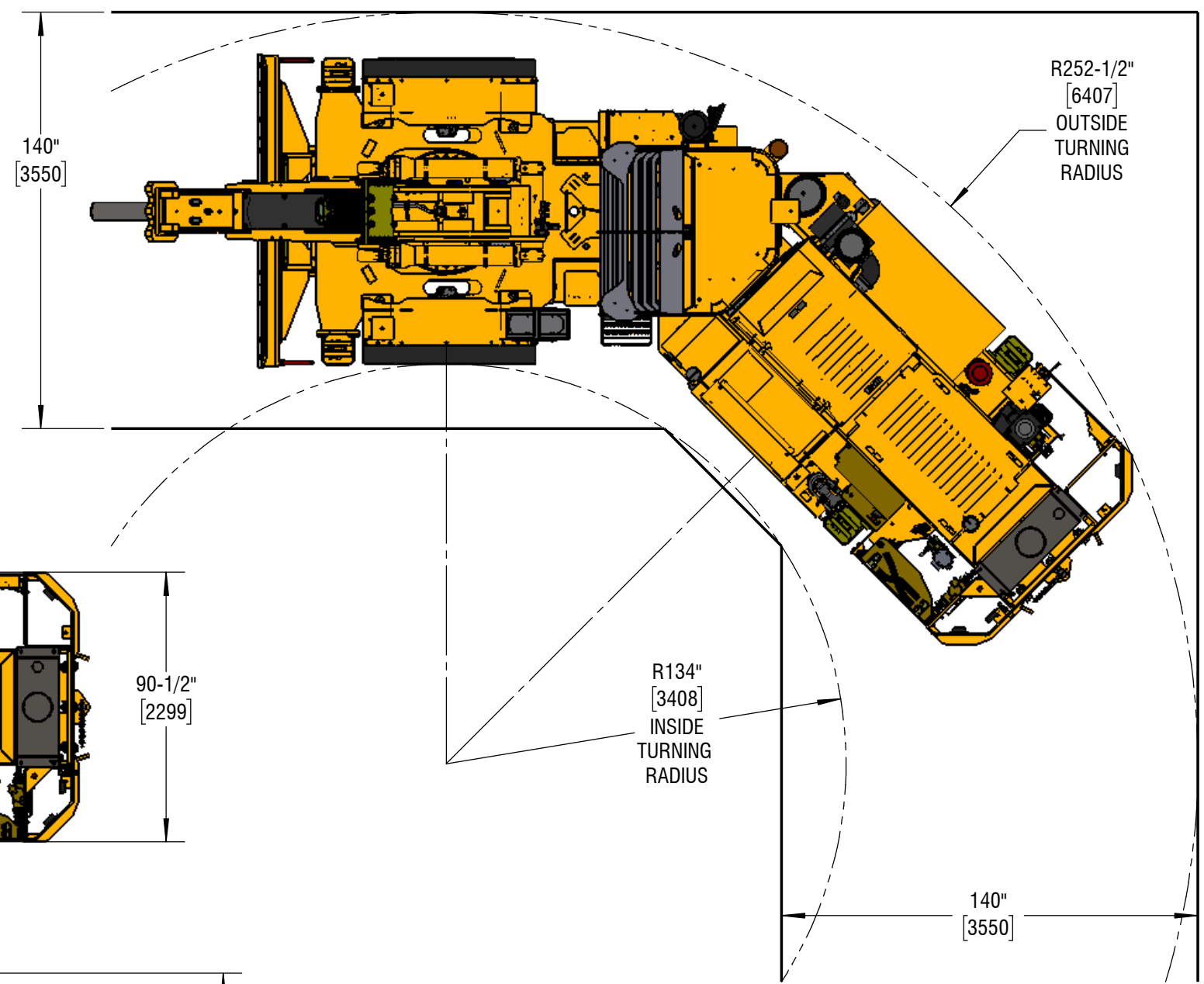
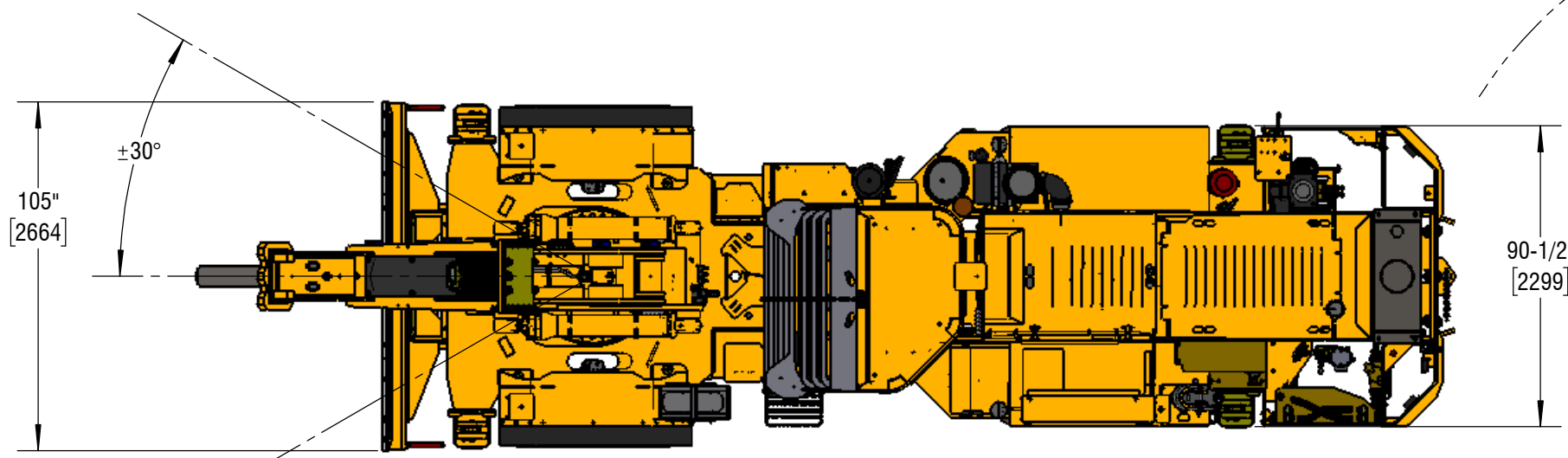
REV	ECN	BY	DATE

DO NOT SCALE DRAWING	
BREAK MACHINED EDGES .03 X 45°	
SURFACE FINISH-125 UNLESS NOTED	
BURNED PROFILE DIMS. ARE FOR REF.	
⊕	3RD ANGLE PROJECTION
ANGLES $\pm 0.5^\circ$	FRAC $\pm 1/16$
IMPERIAL	METRIC
0.0 \pm .030	0 \pm .75
0.00 \pm 0.010	0.0 \pm .40
0.000 \pm 0.005	0.00 \pm .05
0.0000 \pm 0.0005	0.000 \pm .01
MAT'L AS SPECIFIED	

	DRAWN BY KS	RELEASE DATE 18/02/20
	TITLE BreakerBOSS 5D MOBILE ROCK BREAKER	

NOTICE This drawing or print is the property of BREAKER TECHNOLOGY LTD./INC. It is loaned with the expressed agreement that the drawing and the information contained therein is the property of BREAKER TECHNOLOGY LTD./INC. and will not be reproduced, copied or otherwise disposed of directly or indirectly and will not be used in whole or in part to assist in the making or to furnish any information for making drawings, prints, or other reproductions thereof, or for the making of apparatus or parts thereof except upon written permission from BREAKER TECHNOLOGY LTD./INC. The acceptance of this drawing or print will be construed as an acceptance of the foregoing agreement.	
SIZE B	SHEET 1 OF 1
SCALE 1:60	WEIGHT 55891.365
PART No.	SD-15206-1

REFERENCE P/N:



DO NOT SCALE DRAWING
 BREAK MACHINED EDGES .03 X 45°
 SURFACE FINISH-125 UNLESS NOTED
 BURNED PROFILE DIMS. ARE FOR REF.

3RD ANGLE PROJECTION	
ANGLES ±0.5°	FRAC ±1/16
0.0 ± .030	0 ± .75
0.00 ± 0.010	0.0 ± .40
0.000 ± 0.005	0.00 ± .05
0.0000 ± 0.0005	0.000 ± .01

MAT'L AS SPECIFIED



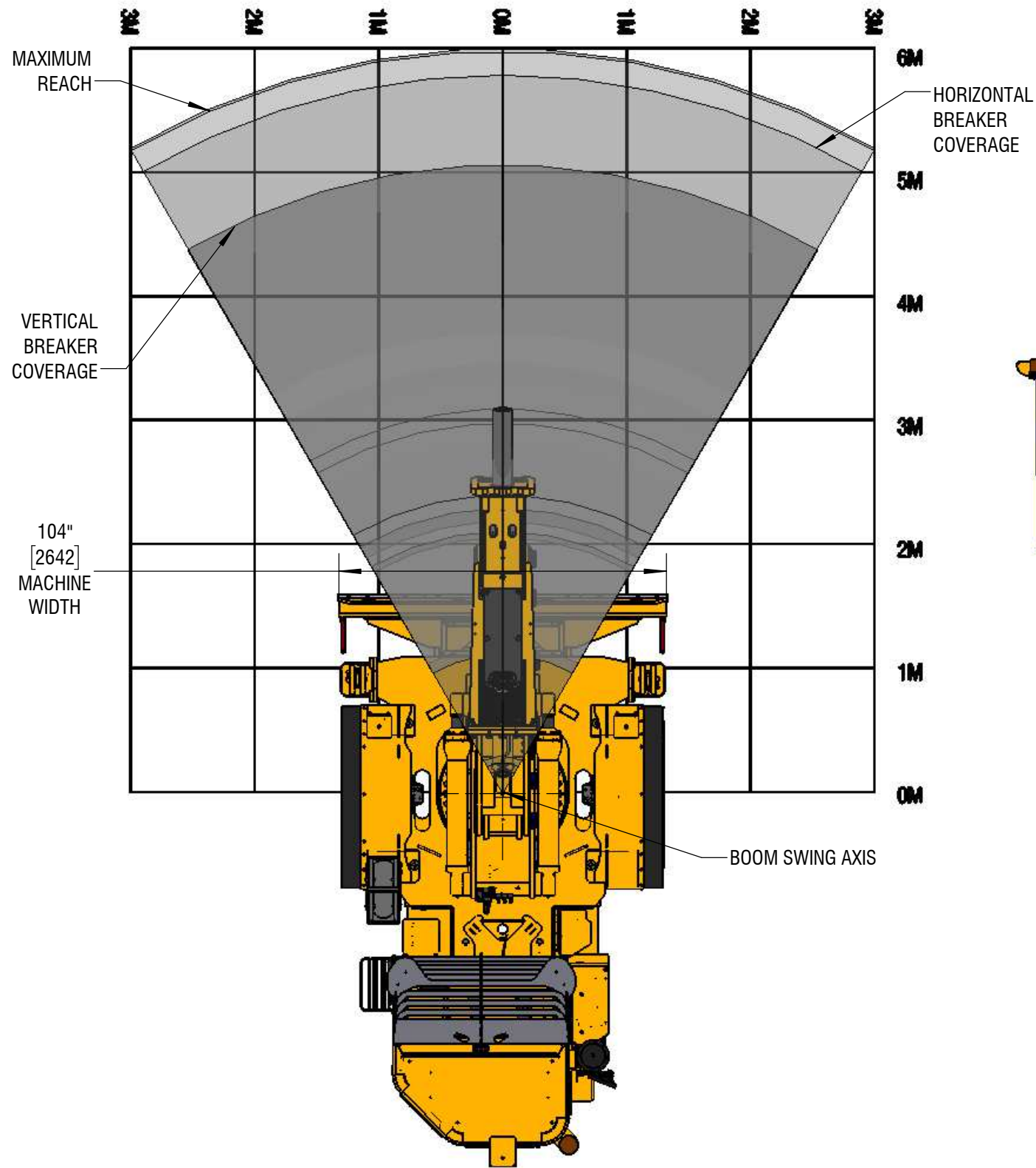
DRAWN BY KS	RELEASE DATE 18/02/20	SIZE B	SHEET 1 OF 1
TITLE BreakerBOSS 5D MOBILE ROCK BREAKER		SCALE 1:50	WEIGHT 55821.532
PART No. SD-15206-2			

NOTICE
 This drawing or print is the property of BREAKER TECHNOLOGY LTD./INC. It is loaned with the expressed agreement that the drawing and the information contained therein is the property of BREAKER TECHNOLOGY LTD./INC. and will not be reproduced, copied or otherwise disposed of directly or indirectly and will not be used in whole or in part to assist in the making or to furnish any information for making drawings, prints, or other reproductions thereof, or for the making of apparatus of parts thereof except upon written permission from BREAKER TECHNOLOGY LTD./INC.
 The acceptance of this drawing or print will be construed as an acceptance of the foregoing agreement.

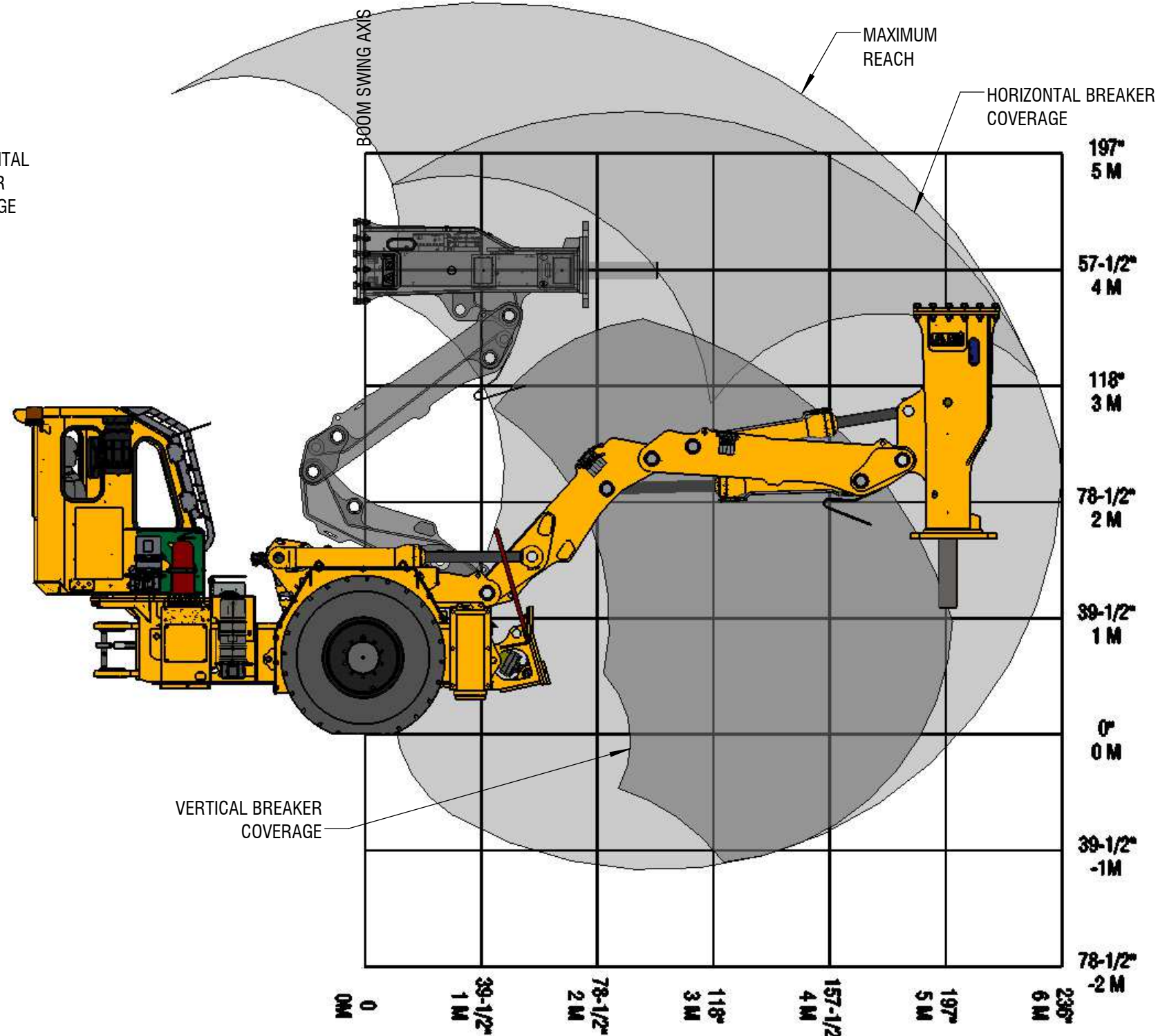
REV	ECN	BY	DATE
-----	-----	----	------

REFERENCE P/N:

PLAN VIEW COVERAGE AREA @ 1M ABOVE GROUND LEVEL



SIDE VIEW COVERAGE AREA



DO NOT SCALE DRAWING
 BREAK MACHINED EDGES .03 X 45°
 SURFACE FINISH-125 UNLESS NOTED
 BURNED PROFILE DIMS. ARE FOR REF.

	3RD ANGLE PROJECTION
ANGLES ±0.5°	FRAC ±1/16
0.0 ± .030	0 ± .75
0.00 ± 0.010	0.0 ± .40
0.000 ± 0.005	0.00 ± .05
0.0000 ± 0.0005	0.000 ± .01
MAT'L	AS SPECIFIED



NOTICE
 This drawing or print is the property of BREAKER TECHNOLOGY LTD./INC. It is loaned with the expressed agreement that the drawing and the information contained therein is the property of BREAKER TECHNOLOGY LTD./INC. and will not be reproduced, copied or otherwise disposed of directly or indirectly and will not be used in whole or in part to assist in the making or to furnish any information for making drawings, prints, or other reproductions thereof, or for the making of apparatus or parts thereof except upon written permission from BREAKER TECHNOLOGY LTD./INC.
 The acceptance of this drawing or print will be construed as an acceptance of the foregoing agreement.

DRAWN BY KS	RELEASE DATE 18/02/20	SIZE B	SHEET 1 OF 1
TITLE BreakerBOSS 5D MOBILE ROCK BREAKER		SCALE 1:45	WEIGHT 61183.150
		PART No.	SD-15206-3

REV	ECN	BY	DATE
-----	-----	----	------

REFERENCE P/N: