

BACKHOE **LOADER**



SCIONTEK

PRODUCTIVITY REVOLUTION THROUGH EFFICIENT EQUIPMENT & TECHNOLOGY



SPECIFICATIONS

ENGINE

ENVIRONMENT FRIENDLY COMPLIES WITH BS-III/BS-IV & CEV NORMS, HIGH TORQUE, FUEL EFFICIENT AND LONG LIFE PERFORMANCE.

MODEL :	4R1040TC
Type	4 Stroke, Di, Turbo charged, Diesel Engine
Cylinders	4
Bore/stroke :	105 mm/120 mm
Displacement :	4160 mc
Fuel Injection	Rotary High Pressure
Fuel :	Diesel
Fuel Filter	0.8 Lit. Single Bowl Spin-on Filter, Moisture Separator
Cooling :	Liquid With 6.5± 0.5 Ltrs, Capacity Rated Speed, 2200 Rpm
Engine Speed	Low Idle 800 +/- Rpm High Idle Speed -2400 +/- 50
Horsepower @ 2200 Rpm	Gross 76 Hp (56 kw)
Max Torque @ 1500 Rpm	300 Nm ±5% @1500±100 Rpm (gross)
Radiator :	Core Size are 3972 cm2
Water Pump Style :	Integral
Pump Operating Angle Ratings :	Side-to-side Rated 35°
Oil Filtration :	Replaceable, Full- Flow Spin- On:

POWER TRAIN

TRANSMISSION (STANDARD) Carraro Transmission With Synchro Shuttle & Different Gear Options With 4 Speed (4 Forward & 4 Reverse).4F-4R Manual Power shift Transmission, Electrically actuated with twist grip.

	1st	2nd	3rd	4th
Gear Ratios	F - 5.603 R - 4.642	F - 3.481 R - 4.201	F - 1.585 R - 1.913	F - 0.793 R - 0.957

AXLE

Front Axle	Steer Axle, Centrally Pivoted, With Oscillation Angle 16°
Rear Axle	Rigidly Mounted, Incorporates Carraro Max Torque Proportioning Differential, Driven By short propeller Shaft from gear Box.

BREAK

Service Type :	Brake with hyd. Actuated, dual line oil immersed multi Disc type wet brakes on the rear axle operated & two Independently operate able foot pedals, joined together For normal operation.
Parking Type :	Axle mounted spring applied Hydraulic release (sahr)

ELECTRICAL

Battery	12 volts/130 ah with full road Lighting, horn & reverse alarm, water & dust proof electrical connection.
Alternator Output	95 amp

HYDRAULICS

Type	Open center hydraulics
Pump type	Tendom pump
Maximum Pump Capacity	56 cc (121 ltrs @2200 rpm)
System Pressure	220 bar

STEERING

Type	Front Wheel Steering with Power Track Steering Rod System provides equal terms steering and quick response
Make	Danfoss / Ognibene

TURNING CIRCLE

Out side front wheels (mtr) (without brake)	8.5 mtr.
Outside widest loader bucket (mtr) (without brake)	11.8 mtr.
Outside front wheels (mtr) (with brake)	6.3 mtr.
Outside widest loader bucket (mtr) (with brake)	9.2 mtr.

TYRE

Standard (Traction/ Industrial) Optional (Heavy Duty/HD)	
Front	9 x 16 -16 PR
Rear	16.9 x 28 -12 PR / 14 X 25 -20 PR/ 12 PR

SHIPPING WEIGHT

Weight	7845 kgs
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POWER-PACKED EFFICIENCY

SPEED

Gear	Forward km/hr	Reverse km/hr
1st	4.5	4.5
2nd	7	7
3rd	15	Not Recommended
4th	32	Not Recommended

(Above is with standard tyres)

SERVICE

Hydraulic system (oil)	125 ltrs
Fuel tank	150 ltrs
Engine coolant	16 ltrs
Engine oil	11.5 ltrs
Transmission	17.5 ltrs
Rear axle	19 ltrs

CABIN

Ergonomically designs cabin with contemporary styling. Tinted cab glasses provide better visibility and sun protection day & night time visibility, rear view mirror. Led work lamp on excavator end for better night time visibility and safety cab provide easy walk through with two door access. Features include like: fully adjustable premium operator seat with safety belt, large convex rear view mirror in the cabin, interior light, front screen wiper, cabin fan, front & rear horn, water bottle holder. Music system MP 3 with blue tooth.

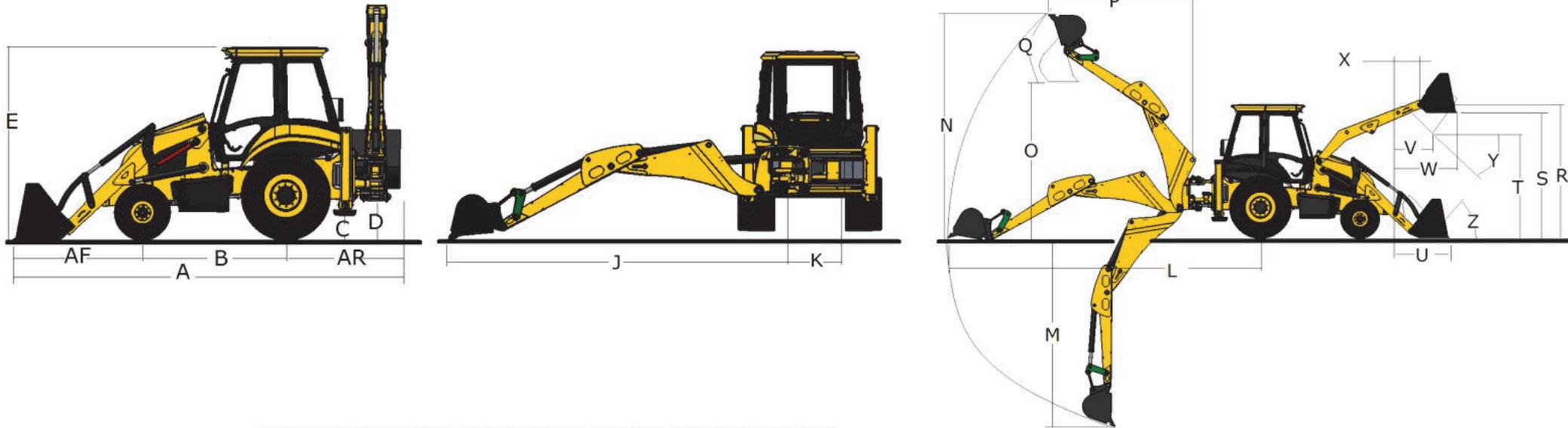
OPTIONAL FEATURES

Tele matic GPS system (global positioning system)	
Hydraulic rock breaker piping	
Heavy duty tyres	
6 in1 loader bucket	6 in 1Bucket with 1.1 cu.m Capacity
Excavator bucket with capacity	0.09, 0.12, 0.18, 0.30 cu.m
Cabin	Air conditioner cabin

*Preet makes continuous improvements to all its products & reserved the right to change specification without any notice. Photo and illustrations may contain standard and optional equipment.

SCIONTEK BACKHOE LOADER

UNLOCK NEW LEVELS OF PRODUCTIVITY
WITH VERSATILE FEATURES



PERFORMANCE DIMENSIONS

STATIC DIMENSIONS

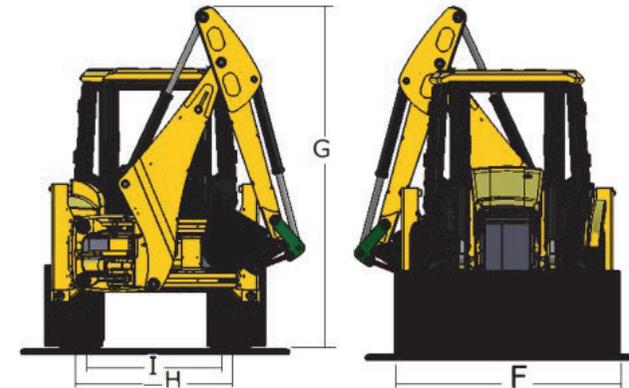
A Overall length	6.0 m
B Wheelbase	2.17 m
C Min. Ground clearance	0.44 m
D Slew ground clearance	0.65 m
E Height to top of cab	3.30 m
F Width over bucket	2.23 m
G Overall height	3.65 m
H Track width - front	1.85 m
I Track width - rear	1.73 m
Ar rear over hang	1.8 m
Af front over hang	2.08 m
Slew centre to rear axle centre	1.32 m

EXCAVATOR DIMENSIONS

J Reach-ground level to slew centre	5.40 m
K King post travel	1.06 m
L Reach-ground level to rear wheel centre	6.70 m
M Max. Dig depth	4.70m
N Max. Working height	5.98 m
O Max. Load over height	4.30 m
P Reach at full height to slew centre	2.68 m
Q Bucket rotation	185°
Bucket tear out force	5700 kgf
Dipper tear out force	3010 kgf
Lift capacity to bucekt pivot at full reach	1470 kgf
Standard bucket capacity	0.26 cu.m
Standard bucket width	0.79 m
Side reach to centre line of machine	

LOADER DIMENSION

R Pin height	3.51 m
S Load over height	3.33 m
T Dump height	2.85 m
U Reach at ground	1.40 m
V Reach at full height-bucket dumped	0.75 m
W Max. Reach at full height	1.10 m
X Pin forward reach	3.53 m
Y Dump angle	43°
Z Rollback at ground	38°
Shovel breakout force	5250 kgf
Loader arm breakout force	5300 kgf
Standard shovel	1.1 cu.m
Payload	1800 kgf



SPACIOUS CABIN, EFFORTLESS CONTROL



Digital Cluster meter Best in Class informative cluster with audible warning system display any malfunctioning accurate readings & better visibility

Cluster Meter Operation made easy with an advanced digital speedometer that display speed with clarity.

Safety Coolant indicator makes it easy to know coolant level, thus safeguarding engine heating

Safety Wider visibility & Covered with ROPS & FOPS

Tinted Glass Tinted cab glasses provide better visibility in day & night.

Driver Comfort Suspension seat with 180 Degree swivel mechanical suspension which is adjustable to separator's body weight.

Music system Latest design music system with FM radio, MP 3 player with USB compatibility & Bluetooth

Additional Feature Interior cab LED light, front screen wiper, Cabin Fan, Front & rear Horn/buzzer, water bottle holder, Operating Instructions, Tyre Pressure Instruction's.

Rear View Large convex type mirror for rear view

LED lights LED work lamps on excavator end for better night time visibility & safety of cab





SCIONTEK

**PROVEN DESIGN
POWERTRAIN**

**WIDE RANGE VISIBILITY, COVERED
WITH ROPS/ FOPS & COMFORT**

FUEL SAVER WITH HIGH PERFORMANCE

**BETTER EFFICENCY &
PRODUCTIVITY**

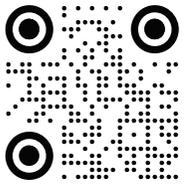
**HIGH PERFORMANCE &
RELIABLE HYD. SYSTEM**

**PROVEN DESIGN
& LONG LIFE STRUCTURE**



SCIONTEK

PRODUCTIVITY REVOLUTION THROUGH EFFICIENT EQUIPMENT & TECHNOLOGY



SCAN HERE

SCIONTEK MACHINERIES MANUFACTURING PLC
Abera Complex, Opp. to AA Leadership Academy
Near ICT Park Goro, Bole Subcity
Woreda- 11, Addis Ababa, Ethiopia