

COMPACT CRAWLER EXCAVATOR

EXC001-10PRO

Excavator PRO

Product Technology & Selection Manual

A compact 1-ton machine configured for landscaping, garden work, construction and small utility projects.

1,000 kg OPERATING WEIGHT

Compact access • Rubber tracks • 400 mm toothed bucket



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Product code EXC25OLD101

Technical Specifications

Key machine data at a glance

OPERATING WEIGHT

1000 kg

RATED POWER

7.6 kW

BUCKET CAPACITY

0.022 m³

OVERALL WIDTH

850 mm

MACHINE & POWER	SPECIFICATION	DIMENSIONS & WORKING RANGE	SPECIFICATION
Display name	Excavator PRO	Overall length	2600 mm
Model	EXC001-10PRO	Overall width	850 mm
Operating weight	1000 kg	Overall height	1990 mm
Standard engine	Koop 192 diesel engine	Maximum digging height	2580 mm
Rated power	7.6 kW	Maximum dumping height	1835 mm
Control type	Mechanical controls	Maximum digging depth	1630 mm
Track type	Rubber track		
Operator protection	Open canopy		
Standard bucket	400 mm toothed bucket		
Bucket capacity	0.022 m³		

POWER PACKAGE	FUEL FAMILY	RATING	CONFIGURATION ROLE
Koop 192 diesel engine	Diesel	7.6 kW	Standard
KOOP 192F	Diesel	7 kW	Optional
Briggs & Stratton 420 cc	Gasoline	13.5 hp	Optional

Dimensional Profile

Compact access with a clearly defined working envelope

COMPLETE LEFT-SIDE PROFILE



OVERALL ENVELOPE

2600 × 850 × 1990 mm

DIMENSION	VALUE	SELECTION RELEVANCE
Overall length	2600 mm	Machine footprint and site access
Overall width	850 mm	Narrow access assessment
Overall height	1990 mm	Overhead and doorway clearance
Maximum digging height	2580 mm	Reach above ground level
Maximum dumping height	1835 mm	Loading and placement envelope
Maximum digging depth	1630 mm	Trench and excavation depth

Use the overall envelope and working-range values together when assessing gate width, overhead clearance and task geometry.

05 — MACHINE OVERVIEW

External Form & Product Details

One complete machine view supported by non-repeating details

The articulated boom, dipper and bucket form a compact digging group; the rubber-track undercarriage and front blade support stable positioning on confined sites.



COMPLETE FRONT-LEFT VIEW



WORK EQUIPMENT

Boom and hydraulic linkage

Visible cylinder, hose and linkage arrangement.



BUCKET LINKAGE

Pinned digging-group geometry

Bucket connection and linkage geometry shown in detail.



EQUIPMENT ACCESS

Rear hood and ventilated enclosure

Ventilated equipment cover and access enclosure.

Major Machine Assemblies

Eight visible groups indexed to the product structural diagram



NO.	ASSEMBLY	ROLE
01	Boom, dipper & bucket	Digging and material placement
02	Protective canopy	Open overhead frame at the control station
03	Operator seat	Direct view of the working area
04	Control console	Centralized travel and hydraulic controls
05	Rear hood	Equipment enclosure with ventilation
06	Upper slewing frame	Joins work group, station and slewing center
07	Dozer blade	Support, backfilling and surface trimming
08	Twin-track undercarriage	Ground contact, travel and positioning

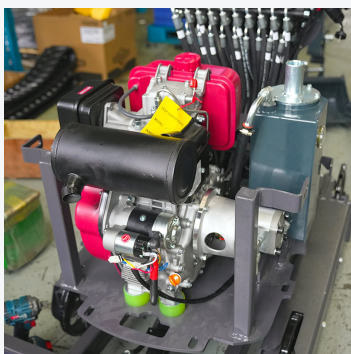
FUNCTIONAL GROUP	ASSEMBLIES	SELECTION VALUE
Digging group	01	Defines the visible excavation and placement geometry
Control station	02–04	Open sight lines with centralized mechanical controls
Upper structure	05–06	Encloses equipment and connects to the slewing center
Ground support	07–08	Front support, travel contact and compact positioning

The numbered groups provide a consistent guide for product recognition, configuration review and attachment planning.

07 — SYSTEMS

Power, Hydraulics & Mobility

System architecture and available configuration choices

**POWER PACKAGE**

Standard configuration: Koop 192 diesel engine, rated at 7.6 kW.

**HYDRAULIC WORK GROUP**

Exposed cylinder lines support the coordinated boom, dipper and bucket assembly.

**CRAWLER CARRIER**

Twin-track architecture supports compact positioning and a stable contact base.

**GROUND INTERFACE**

Rubber track configuration is suited to controlled travel on compact work areas.

ENGINE OPTIONS

KOOP 192F — 7 kW • Briggs & Stratton — 420 cc / 13.5 hp • Diesel / gasoline families

Control Station & Interfaces

Mechanical controls, open sight lines and visible equipment interfaces

OPERATOR CONTROL CONSOLE



Instrument switch panel

Central switch grouping beside the control levers.



Open canopy structure

Open overhead frame defining the operator envelope.



Front work light

Forward-facing lamp mounted at the work group.

Mechanical controls

Direct lever-based control layout

Open canopy

Clear sight lines around the work area

Front work light

Visible lighting component at the work group

Standard & Optional Architecture

A clear boundary for product selection and written order definition

STANDARD CONFIGURATION	DESCRIPTION
Power	Koop 192 diesel engine — 7.6 kW
Controls	Mechanical controls
Ground contact	Rubber track
Operator station	Open canopy
Digging tool	400 mm toothed bucket
Front equipment	Dozer blade assembly
Machine class	1000 kg operating weight
Bucket	0.022 m³ capacity

OPTIONAL CONFIGURATION	SELECTION EFFECT
KOOP 192F — 7 kW	Alternative diesel power package
Briggs & Stratton — 420 cc / 13.5 hp	Alternative gasoline power package
Swing arm	Adds lateral working-position flexibility
Telescopic undercarriage	Changes access and stance requirements
Hydraulic oil cooler	Additional hydraulic thermal management
ROPS option	Specify the required protection level in the selected build
Hydraulic pilot controls	Alternative hydraulic control architecture

DECISION AREA	RELEVANT OPTION	QUESTION TO RESOLVE
Access geometry	Swing arm / Telescopic undercarriage	What width and lateral working position are required?
Hydraulic duty	Hydraulic oil cooler	What ambient conditions and duty cycle are expected?
Controls & protection	Hydraulic pilot controls / ROPS option	Which control architecture and protection specification are required?

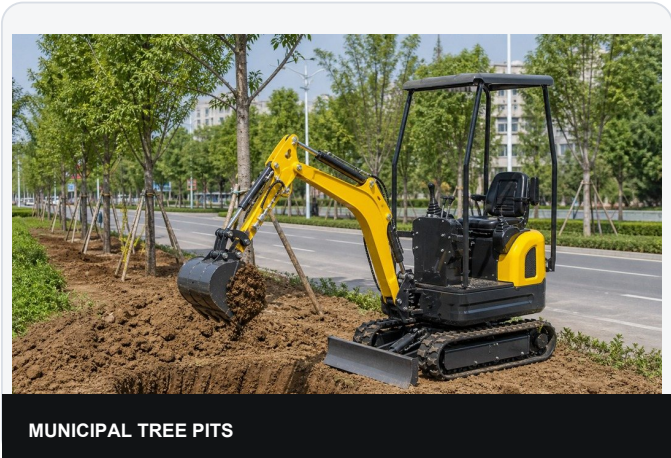
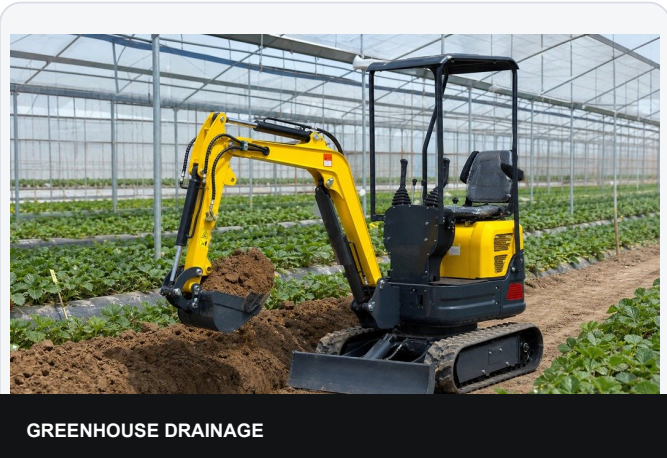
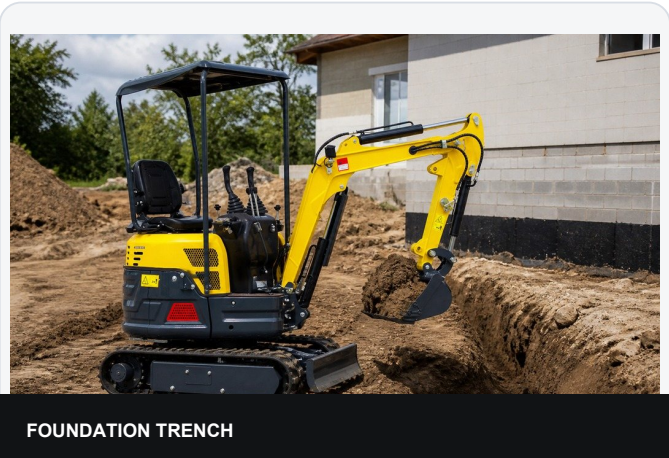
COLOR CONFIGURATION

Blue / Yellow / Red
Custom colors available



Application Fit

Compact earthmoving for access-limited work sites



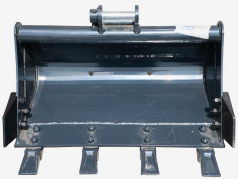
APPLICATION	WHY THE CONFIGURATION FITS	SELECTION FOCUS
Landscaping	Compact crawler footprint and coordinated digging group	Access width and ground condition
Garden work	Rubber tracks and 400 mm toothed bucket for confined earthmoving	Clearance and surface sensitivity
Construction	1000 kg class with front blade for compact trench and grading tasks	Task geometry and material condition
Small utility projects	1630 mm maximum digging depth and compact overall envelope	Underground services and site constraints

ACCESS	OVERHEAD	DIGGING	LOADING
850 mm width Confirm gate and aisle clearance	1990 mm height Confirm structures and doorway clearance	1630 mm depth Match trench or utility geometry	1835 mm dump height Match receiving and placement height

11 — ATTACHMENTS

Optional Attachment Range I

Digging, finishing, screening, boring and breaking tools

**Toothed Digging Bucket**

Firm-ground penetration and excavation

**Compact Digging Bucket**

General digging in restricted areas

**Narrow Digging Bucket**

Narrow trenches and service channels

**Ditch Cleaning Bucket**

Ditch-bottom finishing and loose material

**Hydraulic Tilt Bucket**

Slopes, ditches and fine grading

**Screening Bucket**

Separate fine soil from larger debris

**Clamshell Bucket**

Grab, transfer and discharge loose material

**Earth Auger**

Circular holes for planting and posts

**Hydraulic Breaker**

Localized breaking of hard material

All tools shown are optional. Confirm coupler geometry, pin dimensions and hydraulic requirements for the selected tool.

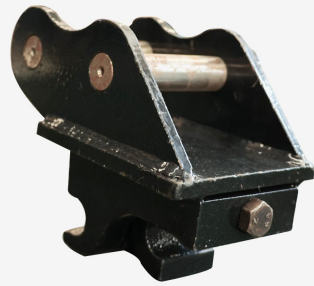
12 — ATTACHMENTS

Optional Attachment Range II

Tool-change, clamping, handling, clearing and ground-preparation tools

**Hydraulic Quick Coupler**

Hydraulic locking for faster tool changes

**Mechanical Quick Coupler**

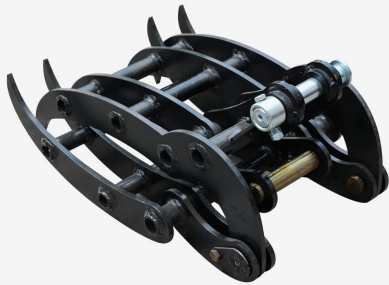
Mechanical tool-change interface

**Hydraulic Thumb**

Variable clamping against the bucket

**Mechanical Thumb**

Fixed-position clamping support

**Log Grapple**

Lift, sort and load logs or branches

**Pallet Forks**

Short-distance handling of palletized loads

**Rake Attachment**

Collect roots, branches and debris

**Ripper Attachment**

Loosen compacted soil and hard layers

Attachment supply, interface compatibility and auxiliary hydraulic provisions must be defined in the written order.

Attachment Selection Guide

Choose by task first, then verify interface and machine configuration

ATTACHMENT	PRIMARY TASK	VERIFY
Toothed Digging Bucket	Firm-ground digging	Pin/coupler
Compact Digging Bucket	General excavation	Width
Narrow Digging Bucket	Narrow trenching	Width/clearance
Ditch Cleaning Bucket	Finishing/cleaning	Width/material
Hydraulic Tilt Bucket	Slope shaping	Auxiliary hydraulics
Screening Bucket	Material separation	Load/interface
Clamshell Bucket	Loose material handling	Hydraulics/interface
Earth Auger	Circular boring	Drive and bit
Hydraulic Breaker	Hard-material breaking	Flow/pressure

ATTACHMENT	PRIMARY TASK	VERIFY
Hydraulic Quick Coupler	Faster tool change	Locking circuit
Mechanical Quick Coupler	Tool change	Pin geometry
Hydraulic Thumb	Variable clamping	Hydraulics/mount
Mechanical Thumb	Fixed clamping	Mount positions
Log Grapple	Logs and branches	Hydraulics/load
Pallet Forks	Pallet handling	Load and stability
Rake Attachment	Roots and debris	Width/teeth
Ripper Attachment	Hard soil loosening	Tooth/interface

DIGGING & FINISHING

Toothed, compact, narrow, ditch-cleaning and tilt buckets

Check width, geometry and auxiliary hydraulics.

HANDLING & CLAMPING

Clamshell, thumbs, log grapple and pallet forks

Check mass, mount, load and stability.

GROUND PROCESSING

Screening bucket, auger, breaker, rake and ripper

Check material, drive, flow and pressure.

TOOL-CHANGE INTERFACES

Hydraulic or mechanical quick coupler

Check pin geometry and locking method.

SELECTION RULE

Confirm attachment mass, mounting geometry, hydraulic demand and intended task before the machine configuration is finalized.

Selection Summary

A compact configuration built around access, task and attachment choice

DECISION FACTOR	PRODUCT SPECIFICATION	USE IN SELECTION
Machine class	1000 kg operating weight	Compact earthmoving and access-limited sites
Overall envelope	2600 × 850 × 1990 mm	Gate, aisle and overhead-clearance checks
Working range	2580 / 1835 / 1630 mm	Digging height / dumping height / digging depth
Work tool	400 mm toothed bucket; 0.022 m³	General trenching and soil placement
Ground interface	Rubber track	Controlled travel on compact work areas
Power package	Koop 192 diesel engine; 7.6 kW	Standard engine selection
Control station	Mechanical controls; open canopy	Simple visible configuration
Options	Swing arm, telescopic undercarriage, cooler, ROPS option, pilot controls	Match access, environment and control preference
Attachments	17 optional tools shown	Select by task and verify interface requirements



CONFIGURE IN FIVE DECISIONS

- 01

Site access

Check 850 mm width, 1990 mm height and approach clearance.
- 02

Task envelope

Match digging depth, dumping height and working geometry.
- 03

Power family

Select the standard diesel or an available engine alternative.
- 04

Machine options

Define swing, stance, cooling, protection and control choices.
- 05

Attachment

Choose the task tool and verify the interface before order definition.

WHY SELECT EXC001-10PRO

- 1

850 mm overall width for compact access assessment.
- 2

Rubber-track crawler base for stable ground contact.
- 3

Digging and dumping dimensions support task matching.
- 4

Broad optional attachment range for multi-task planning.
- 5

Multiple engine and machine configuration paths.