AUTONXT
AUTOMATION

ELECTRIC TRACTOR · 55 HP CLASS · 2WD

X55C2

42 kW motor, liquid-cooled 614V pack, CCS-II fast charging and 120 km range.

CMVR Certified | Zero emissions | Made in India



AT A GLANCE

Power that outworks diesel — without the fuel bill.

MOTOR POWER

42 kW

Peak ~50 kW

MAX TORQUE

300 Nm

Instant PMSM torque

RANGE PER CHARGE

120 km

Continuous operation

HYDRAULIC LIFT

2800 kg

Multi-spool valve



Fast charging
CCS-II fast charge · 1 hr / 6 hrs

Haulage
18 ton rated (ARAI norms); can pull 20–22 ton

Battery safety
IP-67 / Certified AIS-156 · Liquid Cooled

POWERTRAIN & BATTERY

Engineered around the NXT-Drive.

Electric motor

Drive motor	**PMSM**
Motor power	**42 kW**
Peak power	**~50 kW**
Max motor torque	**300 Nm**
Cooling type	**Water Cooled (Coolant)**

Battery & charging

Battery voltage / capacity	**614V, 104Ah (approx.)**
Battery type	**LFP (Liquid Cooled)**
Battery weight	**650 kg**
Onboard charger	**6.6 kW AC / 11 kW AC ***
Charging time (fast / slow)	**1 hr / 6 hrs**
Fast charging (CCS-II)	**Yes**
Single-charge range (continuous)	**120 km**

BUILT TO WORK

Transmission, PTO & hydraulics.

Transmission

TRANSMISSION
8 Forward, 8 Reverse

TRANSMISSION TYPE
Constant mesh (Carraro)

CLUTCH
Double clutch

DIFFERENTIAL LOCK
Yes

SPEED
3–30 km/h

BRAKES
Oil-immersed drum braking system

PTO

MAX PTO POWER (KW)
33 kW

PTO POWER (HP)
44 HP

PTO SPEED
540 / 540E RPM

PTO POSITION
Side lever

Hydraulics

HYDRAULIC LIFT CAPACITY
2800 kg

HYDRAULIC DISTRIBUTION VALVE BLOCK
Multi-spool valve

HYDRAULIC PUMP
28.5 L

Tyre size — front	**7.5 × 16 (8 PR)**
Tyre size — rear	**14.9 × 28 (12 PR)**
Turning radius	**6.28–6.58 m**

TECHNICAL SPECIFICATIONS

AutoNxt X55C2 — full sheet

AutoNxt Logger telematics · GPS · 4G/3G/2G

ELECTRIC MOTOR

Drive motor	PMSM
Motor power	42 kW
Peak power	~50 kW
Max motor torque	300 Nm
Cooling type	Water Cooled (Coolant)

BATTERY & CHARGING

Battery voltage / capacity	614V, 104Ah (approx.)
Battery type	LFP (Liquid Cooled)
Battery weight	650 kg
Battery architecture	Modular
Onboard charger	6.6 kW AC / 11 kW AC *
Charging time (fast / slow)	1 hr / 6 hrs
Battery cooling	Liquid Cooled
IP rating	IP-67 / Certified AIS-156
Single-charge range (continuous)	120 km
Charger warranty	1 year
Fast charging (CCS-II)	Yes

POWER TAKE-OFF (PTO)

Max PTO power (kW)	33 kW
PTO power (HP)	44 HP
PTO speed	540 / 540E RPM
PTO position	Side lever

TRANSMISSION & DRIVETRAIN

Transmission	8 Forward, 8 Reverse
Transmission type	Constant mesh (Carraro)
Differential lock	Yes
Clutch	Double clutch
Brakes	Oil-immersed drum braking system
Headlamps	LED headlamp
Tractor length × height × width	~11 × 9 × 6 ft
GVW (gross vehicle weight)	2600 kg
Speed	3–30 km/h
Load pulling / haulage capacity	18 ton rated (ARAI norms); can pull 20–22 ton
AC cabin	Front-glass-shield air-ventilation cabin

HYDRAULIC SYSTEM

Hydraulic distribution valve block	Multi-spool valve
Hydraulic lift capacity	2800 kg
Hydraulic pressure	170–190 bar
Hydraulic pump	28.5 L
Hydraulic pump flow rate	1800 kg

WHEELS & DIMENSIONS

Tyre size — front	7.5 × 16 (8 PR)
Tyre size — rear	14.9 × 28 (12 PR)
Track width — front	1400 mm
Track width — rear	1500 mm
Wheel base	2155 mm
Turning radius	6.28–6.58 m

CONTROL SYSTEM & TELEMATICS

IoT system	AutoNxt Logger
Instrument cluster	7-inch segment display
Wi-Fi	Optional
Mobile-based connectivity	Yes — 4G / 3G / 2G
Access	Key + digital monitoring
Message alerts	Vehicle emergency light / SMS / app-based alerts
Error codes	Battery and controller
Electrical switch	Standard automotive grade
Wiring connector	Waterproof
GPS enabled	Yes
Alarm system	Yes (battery & fault alerts)
BMS at 0 % charge	Auto shutdown at 5 %
Motor control unit (MCU)	VFD — Variable Frequency Drive

AUTONXT

Ready to see the X55C2 in the field?

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* The onboard 11 kW AC charger is optional for X55C2 and X30C2, at additional cost. The X42C2 and X42V2 share one specification column in the source sheet. Models marked “to be developed” or “to be sent for certification” are planned — specifications may change before release. Images are illustrative. AutoNxt reserves the right to change specifications without notice.