AUTONXT
AUTOMATION

ELECTRIC TRACTOR · 42 HP CLASS · 2WD

X42C2

22 kW compact platform, 8-ton rated load and CCS-II fast charging.

To be developed | Zero emissions | Made in India



AT A GLANCE

Power that outworks diesel — without the fuel bill.

MOTOR POWER

22 kW

Peak ~32 kW

MAX TORQUE

180 Nm

Instant PMSM torque

RANGE PER CHARGE

90 km

Continuous operation

HYDRAULIC LIFT

2400 kg

Standard valve



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

Haulage
8 ton rated; can pull 10–12 ton

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

POWERTRAIN & BATTERY

Engineered around the NXT-Drive.

Electric motor

Drive motor	**PMSM**
Motor power	**22 kW**
Peak power	**~32 kW**
Max motor torque	**180 Nm**
Cooling type	**Water Cooled (Coolant)**

Battery & charging

Battery voltage / capacity	**320V, 100Ah (approx.)**
Battery type	**LFP (LiFePO4)**
Battery weight	**250 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)	**90 km**

BUILT TO WORK

Transmission, PTO & hydraulics.

Transmission

To be finalised.

PTO

MAX PTO POWER (KW)
18 kW

PTO POWER (HP)
25 HP

PTO SPEED
540E RPM

Hydraulics

HYDRAULIC LIFT CAPACITY
2400 kg

HYDRAULIC DISTRIBUTION VALVE BLOCK
Standard valve

HYDRAULIC PUMP
18 L

Tyre size — front	**6.00 × 16 (8 PR)**
Tyre size — rear	**13.6 × 28 (12 PR)**
Turning radius	**4.9–5.3 m**

TECHNICAL SPECIFICATIONS

AutoNxt X42C2 — full sheet

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

ELECTRIC MOTOR

Drive motor	PMSM
Motor power	22 kW
Peak power	~32 kW
Max motor torque	180 Nm
Cooling type	Water Cooled (Coolant)

BATTERY & CHARGING

Battery voltage / capacity	320V, 100Ah (approx.)
Battery type	LFP (LiFePO4)
Battery weight	250 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)	90 km
Charger warranty	1 year
Fast charging (CCS-II)	Yes

POWER TAKE-OFF (PTO)

Max PTO power (kW)	18 kW
PTO power (HP)	25 HP
PTO speed	540E RPM

TRANSMISSION & DRIVETRAIN

GVW (gross vehicle weight)	1500 kg
Load pulling / haulage capacity	8 ton rated; can pull 10–12 ton
AC cabin	Front-glass-shield air-ventilation cabin

HYDRAULIC SYSTEM

Hydraulic distribution valve block	Standard valve
Hydraulic lift capacity	2400 kg
Hydraulic pressure	170–190 bar
Hydraulic pump	18 L
Hydraulic pump flow rate	18–25 LPM

WHEELS & DIMENSIONS

Tyre size — front	6.00 × 16 (8 PR)
Tyre size — rear	13.6 × 28 (12 PR)
Track width — front	1200 mm
Track width — rear	1300 mm
Wheel base	2040 mm
Turning radius	4.9–5.3 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 X42C2 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.