

AFL Autonomous Forklift

The Vecna AFL Autonomous Forklift is a versatile vehicle across different environments. This self-driving counterbalanced forklift can move a wide range of payloads and pallet types, lift to conveyor belts, and work efficiently alongside other material handling equipment.



SPECIFICATIONS	IMPERIAL	METRIC
MAXIMUM LIFT HEIGHT	60 inches	1,524 mm
MAXIMUM PAYLOAD	3,000 lb	1,360.7 kg
DIMENSIONS (L x W x H)	131.4 in x 43.4 in x 96 in	3,338 mm x 1,102 mm x 2,438 mm
FORK LENGTH	42 in	1,066 mm
WEIGHT (less battery)	4,700 lbs	2,131.8 kg
VEHICLE SPEED	6.7 mph	3 m/s
RIGHT ANGLE STACK	15 ft 6 in	4.7 m
MINIMUM AISLE WIDTH AT MAX SPEED	9 ft	2.7 m

SAFETY SYSTEM

ISO 13849-1:2015 PL=d-rated safety system ANSI / ITSDF B56.5 and RIA 15.08 compliant

CONTROL

Autonomous Mode:
Infrastructure Free Navigation

Manual Mode:
Ride-on with steering tiller

POWER SOURCE

Compatible with standard lead acid and TPPL batteries

TASK ALLOCATION

Remote tablet, WMS, and barcode scanning

RUN TIME

Up to 8+ hours per full charge

CHARGING

4 hours charge time, opportunistic charging

FLEET MANAGEMENT AND ORCHESTRATION

Pivotal™ Orchestration Engine

SUPPORT

24/7/365 remote support via Vecna Robotics' US-based Pivotal™ Command Center

