

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