DAIFUKU

Product Profile

Automatic Guided Vehicles

Pallet Jack 8,000 lbs Pallet Capacity

The Model M8K-PJ is a pallet jack vehicle capable of automatic or manual driving modes, when the need for human interaction is required. It can move pallets up to 8,000 lbs (3628 kg), ideal for today's demanding material handling needs.

FEATURES

Safe: The M8K-PJ offers 6 laser scanners to detect obstructions and personnel.

Efficient: The M8K-PJ is battery powered and charges automatically, yielding up to 24/7 fully automatic operation.

Connected: Integrates with Plant Control Systems via Wi-Fi communications and System Automation Manager[™] (SAM) software providing traffic control.

Affordable: Many applications can demonstrate Return On Investment in three months or less.

Simple: CartTools[™] and AGV Tools software provide a user-friendly interface, allowing the customer to modify and expand their system.



2D Laser Safety Scanner -

NAVIGATION OPTIONS

Natural Feature Navigation (NFN): The AGV determines its location using LIDAR to identify structures in the environment and match their locations to a virtual map of the facility. **Laser Navigation:** Field of reflective targets seen by on-vehicle sensors and used by vehicle computer to determine location. **Inertial Navigation:** Odometry data and in-floor waypoints are used by the vehicle computer to determine location.

NAVIGATION ENHANCEMENTS

Enhanced Navigation: Additional sensors can be added to augment the vehicle's navigation technology.

Co-Navigation Technology: Multiple navigation packages may be used on a vehicle in challenging environments.

FEATURES

- Automatic Drop/Pick
- Automatic Charging, 300 amps
- Automatic Shut off
- Music Generator

Sleep/Auto-wake

OPTIONS

 Front & Rear Event Camera

Smart Handling AGV Solutions

DAIFUKU SMART HANDLING AGV SOLUTIONS

| Weight without battery 1,650 lbs (748 kg) Overall vehicle lengths & with (less fork) 64.4" (1637 mm) W Capacity @ 24" load center 4,500 lbs (2041 kg) Sidel/dual rear laser bumper coverage 20 Laser Safety Scaner Blue light warning Forward travel Battery Options 24 V0C Battery compartment size 30.9" (784 mm) Lx 13.5" (343 mm) W x 31.6" (802 mm)H Battery veight min/max 855 lbs (388 kg) / 1550 lbs (703 kg) ✓ Lithium Battery \$40AH Life PO, Lithium Battery \$40AH Life PO, Lithium Battery \$40AH Life PO, Lithium Battery \$40AH Life PO, Lithium Battery \$40AH Life PO, Laser Safety Add Mider PO, Last Acid Battery \$58 M TPPL Automatic Charging Vuring off shift/maintenance Speed - Forward 15 FPM (4.5 MPM)(b 360 FPM (109 MPM), 1 FPM (0.25 MPM) increments - Backward 15 FPM (4.5 MPM)(b 300 FPM (109 MPM), 1 FPM (0.25 MPM) increments - Backward 15 FPM (4.5 MPM)(b 30 FPM (109 MPM), 1 FPM (0.25 MPM) increments - Backward 15 FPM (4.5 MPM)(b 30 FPM (109 MPM), 1 FPM (0.25 MPM) increments - Backward 15 FPM (4.5 MPM)(b 30 FPM (109 MPM), 1 FPM (0.25 MPM) increments - Backward 15 FPM (4.5 MPM)(b 30 FPM (109 MPM), 1 FPM (0.25 MPM | Weight without battery 1,550 Ibs (748 kg) Overall vehicle length & within less forks) 6,44" (153 mu) L x 2.2" (1087 mu) W Capacity © 2.4" load center 4,500 Ibs (2041 kg) Safety ANSI B56.52.20 IP Compliant Safety orgartment size 30.9" (744 mm) L x 13.5" (343 mm) W x 31.6" (802 mm) H Battery Options 24 VDC Battery Options 24 VDC Battery Stath Life PO, Lithium Battery stath Life PO, Lithium Battery Stath Life PO, Lithium Battery Stath Life PO, Lithium Battery Stath Life PO, Lithium Battery Stath Life PO, Lithium Battery Stath Life PO, Up to 300 amp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM)to 360 FPM (109 MPM), 1 FPM (4025 MPM) increments Environment - Maximum Aburgt elevation change, smoother 4/-25" (6.4 mm) Paparsion Joint maximum 25" (6.4 mm) Error generated within 6" (152 mm)of loss path Hor Condicitivy -<-0.6 Statid dissipative, less than 3.5 x 10° Ω Radia communications -<-0.6 Statid dissipative, less than 3.5 x | General Specifications | |
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| Lithium Battery 530AH LiFe PO, Lidd Dattery 530AH LiFe PO, Lead Acid Battery 530AH LiFe PO, Lead Acid Battery 530AH TPL Automatic Charging Up to 300 amp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM)to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM)to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment - Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Expansion joint maximum .25" (6.4 mm) Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radic communications Wi-Fi 5 Laser Guidance Forward & Reverse - Steer angle sensor encoder ✓ Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Ovide loss Error generated within 6" (152 mm)of loss path Stopping accuracy< | Lithium Battery 630AH LiFe PO, Liski Acid Battery 553 AH TPPL Automatic Charging Up to 300 amp Manual Charging During off shift/maintenance Speed - Forward 15 FPM (4.5 MPM) to 300 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 300 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Forvironment - Forvironment - Forvironment - Maximum abrupt elevation change, smoothed + /- 25° (6.4 mm) - Grade rating 3% Coefficient of friction between wheels and floor - Expansion joint maximum - 25° (6.4 mm) - Grade rating 3% Coefficient of friction between wheels and floor - > 0.6 Floor Conductivity Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse - Static dissipative, less than 3.5 x 10° Ω Static dissipative, less than 3.5 x 10° Ω Steering accuracy +/5" (12.7 mm) Potalied Specifications - Travel direction - Forward & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W - Poly Drive type - Motor - Ray Ample - Static dissipative, less forming - Poly - Cost Height Ample - Static dissipative, less forming - Poly - Fork Height Faised / Jowered Long Forks of double pallet handling - Fork Wheels in forks - Steer Made - Spring accurace 4" (121 mm) - Face of forks to load wheel center raised / lowered - Static dissipative - Static dissipativ | | 635 (566 kg) / 1550 lbs (105 kg) + |
| Likhum Battery 40AH LiFe PO, Lead Acid Battery 558 AH TPPL Automatic Charging Up to 300 amp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM)to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM)to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment - Attmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications 25° (6.4 mm) Expansion joint maximum 25° (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor > Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse - Steer angle sensor encoder ✓ Steer angle sensor encoder ✓ Travel direction Forward & Reverse Drive Unit - Wheel 10° (254 mm) diax 4" (101.5 mm)W – Poly Drive Unit - Wheel 10° (254 mm) diax 4" (101.5 mm)W – Poly Drive Unit - XB & K Cb rushless Brake | Luthium Battery 44AM LIFE PQ. Lead Acid Battery SSB AH TPL Automatic Charging Up to 300 amp Manual Charging During off Shift/maintenance Speed - Forward IS FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward IS FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 0 to 104* F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications - Waximum abrupt elevation change, smoothed Expansion joint maximum 25° (6.4 mm) Grade rating 25% (6.4 mm) - Grade rating 25% (6.4 mm) - Coefficient of friction between wheels and floor - Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-F is Steering accuracy 4 +5° (12.7 mm) - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Travel direction - Travel direction - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Travel direction - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 +5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Travel direction - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Travel direction - Travel direction - Steering accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Common accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Common accuracy 4 + .5° (12.7 mm) - Detailed Specifications - Common accuracy 4 + .5° (12.9 mm) / 0 + .000 + .000 + . | | |
| Lead Acid Battery 558 AH TPPL Automatic Charging Up to 300 amp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment - Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25° (6.4 mm) Azimosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Orade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse - Steering accuracy +/5° (12.7 mm) Guide loss Error generated within 6″ (152 mm)of loss path Stopping accuracy +/5° (12.7 mm) Detailed Specifications - Travel direction Forward & Reverse Drive Unit Wheel 10° (254 mm) dia x 4° (101.5 mm)W – Poly Drive Unit Wheel 10° (| Lead Acid Battery 558 AH TPPL Automatic Charging Up to 300 amp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment - Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Steer angle sensor encoder ✓ Steer angle sensor encoder ✓ Steering accuracy +/5" (12.7 mm) Outor 5.0 (12.7 mm) Detailed Specifications - Travel direction Forward & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W – Poly Drive type - Motor 3.8 kw AC brushless Brake Spring accuracy 4" (120 mm) Steer off forks to load wheel center raised / lowered </td <td></td> <td></td> | | |
| Automatic ChargingUp to 300 ampManual ChargingDuring off shift/maintenanceSpeed- Forward15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments- Backward15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) incrementsEnvironmentAtmosphere0 to 104° F (0 to 40° C), 25% to 95% non-condensingDust/water proofNoFloor SpecificationsMaximum abrupt elevation change, smoothed+/25° (6.4 mm)Expansion joint maximum.25° (6.4 mm)Carder rating3%Coefficient of friction between wheels and floorFloor ConductivityStatic dissipative, less than 3.5 x 10° ΩRadio communicationsWi-F15Lasser Guidance Forward & ReverseSteer angle sensor encoder×'Steering accuracy+/5° (12.7 mm)Octailed SpecificationsFror generated within 6° (152 mm)of loss pathStopping accuracy+/5° (12.7 mm)Detailed SpecificationsForward & ReverseDrive Unit -Wheel 10° (254 mm) dia x 4° (101.5 mm)W - PolyDrive Unit -Ak w Cb rushlessBrakeSpring accuracy if (152 mm) diameter x 3° (76 mm)W - PolyLoad wheels in forks3.5° (69 mm) diameter x 3° (76 mm)W - PolyLoad wheels in forks3.5° (89 mm) diameter x 3° (76 mm)W - PolyLoad wheels in forks3.5° (89 mm) diameter x 3° (76 mm)W - PolyLoad wheels in forks3.5° (89 mm) diameter x 3° (76 mm)W - PolyLoad wheels in forks3.5° (89 mm) diameter x 3° (76 mm)W - PolyLoad wheels in f | Automatic Charging Up to 300 mp Manual Charging During off shift/maintenance Speed - - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (025 MPM) increments - Minosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/ 25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >=0.6 Static dissipative, less than 3.5 x 10° Ω Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-F15 Laser Guidance Forward & Reverse Static dissipative, less than 3.5 x 10° Ω Steer angle sensor encoder ✓ Steer angle sensor encoder ✓ Travel direction Forward & Reverse Drive Unit Wheel 10° (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit Wheel 10° (254 mm) dia x 4" (101.5 mm)W – Poly Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Rear wheels Casters 6" (152 mm) dia meter x 3" (76 mm)W – Poly Load wheels in forks | | |
| Manual Charging During off shift/maintenance Speed - Forward - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 360 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment - Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25″ (6.4 mm) Expansion joint maximum .25″ (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse ✓ Steering accuracy +/5″ (12.7 mm) Guide loss Error generated within 6″ (152 mm)of loss path Stopping accuracy +/5″ (12.7 mm) Detailed Specifications Forward & Reverse Drive Unit- Wheel 10° (254 mm) dia x 4″ (101.5 mm)W – Poly Drive Unit- Wheel 10° (254 mm) dia x 4″ (101.5 mm)W – Poly Drive Unit- S.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor <td< td=""><td>Manual Charging During off shift/maintenance Speed - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Marximment 0 to 104' F (0 to 40' C), 25% to 95% non-condensing Maximum abrupt elevation change, smoothed +/- 25'' (6.4 mm) Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10' Ω Radio communications Wi-F15 Laser Guidance Forward & Reverse Static dissipative, less than 3.5 x 10' Ω Steer angle sensor encoder ✓ Steer angle sensor encoder ✓ Travel direction Forward & Reverse Drive Unit Forward & Reverse Drive Unit Wheel 10'' (254 mm) dia x 4'' (101.5 mm)W - Poly Prive Unit Wheel 10'' (254 mm) dia x 4'' (101.5 mm)W - Poly Motor 3.8 kw AC brushless Brake Spring acturated (fail safe) Steer angle (S00 wheels in forks 3.5''' (23 mm) diameter x 3'' (75 mm)W - Poly Load wheels in forks 3.5''' (23 mm) Longer forks for double pallet handling Fork Width 6.7''' (170 mm) Fork Height raised / lowered <</td><td></td><td>Unito 300 amp</td></td<> | Manual Charging During off shift/maintenance Speed - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments - Marximment 0 to 104' F (0 to 40' C), 25% to 95% non-condensing Maximum abrupt elevation change, smoothed +/- 25'' (6.4 mm) Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10' Ω Radio communications Wi-F15 Laser Guidance Forward & Reverse Static dissipative, less than 3.5 x 10' Ω Steer angle sensor encoder ✓ Steer angle sensor encoder ✓ Travel direction Forward & Reverse Drive Unit Forward & Reverse Drive Unit Wheel 10'' (254 mm) dia x 4'' (101.5 mm)W - Poly Prive Unit Wheel 10'' (254 mm) dia x 4'' (101.5 mm)W - Poly Motor 3.8 kw AC brushless Brake Spring acturated (fail safe) Steer angle (S00 wheels in forks 3.5''' (23 mm) diameter x 3'' (75 mm)W - Poly Load wheels in forks 3.5''' (23 mm) Longer forks for double pallet handling Fork Width 6.7''' (170 mm) Fork Height raised / lowered < | | Unito 300 amp |
| Speed - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment Atmosphere 0 to 104 ° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications Travel direction Forward & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W – Poly Drive type Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Rear wheels Casters 6" (152 mm) diameter x 3" (76 mm)W – Poly | Speed - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (109 MPM), 1 FPM (.025 MPM) increments Environment - O to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Maximum abrupt elevation change, smoothed +/. 25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Specifications Wi-Fi 5 Laser Guidance Forward & Reverse - Steer angle sensor encoder - Steering accuracy +/. 5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/. 5" (12.7 mm) Detailed Specifications - Travel direction Forward & Reverse Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (252 mm) diameter x 3" (76 mm)W – Poly Motor 3.8 kw AC brushless Brake Spring acturated (fail safe) Steer of horks to load wheel center raised / lowered 3.4" (252 mm) / diameter x 3" (76 mm)W – Poly Load wheels in forks 3.5" (89 mm) diameter x | | |
| - Forward 15 FPM (4.5 MPM)(to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM)(to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment 4tmosphere 0 to 104" F (0 to 40" C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Azimum abrupt elevation change, smoothed +/25" (6.4 mm) Expansion joint maximum .25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10" Ω Radio communications Wi-Fi5 Laser Guidance Forward & Reverse 5 Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (254 mm) diameter x 3" (76 mm)W – Poly Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless | - Forward 15 FPM (4.5 MPM) to 360 FPM (109 MPM), 1 FPM (.025 MPM) increments - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications 4/-25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Steering accuracy +/5" (12.7 mm) Guidance Forward & Reverse - Steering accuracy +/5" (12.7 mm) Detailed Specifications For yand & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W - Poly Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W - Poly Drive Unit - Wheels 10° (254 mm) diameter x 3" (76 mm)W - Poly Drive type - Motor 3.8 kw AC brushless Brake Spring accutated (fail safe) Steer Motor A.7 seconds Ac brushless - Brake Spring actuated (fail safe) Steer Motor <td< td=""><td></td><td>burning on shine/maintenance</td></td<> | | burning on shine/maintenance |
| - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Expansion joint maximum 25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >-0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse Steer angle sensor encoder Steer angle sensor encoder ✓ Stopping accuracy +/5" (12.7 mm) Outide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Otrive loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Dirive type Travel direction Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive type Exer Motor Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless | - Backward 15 FPM (4.5 MPM) to 90 FPM (27.5 MPM), 1 FPM (.025 MPM) increments Environment Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/ Maximum abrupt elevation change, smoothed +/ Expansion joint maximum 25° (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-F15 Laser Guidance Forward & Reverse - Steer angle sensor encoder ✓ Steering accuracy +/5° (12.7 mm) Detailed Specifications - Travel direction Forward & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10° (254 mm) diameter x 3" (76 mm)W – Poly Drive Unit - A kw AC brushless Brake Spring acturated (fail safe) Steer Motor A S kw AC brushless Rear wheels in forks 3.5" (235 mm) diameter x 3" (76 mm)W – Poly Load wheels in forks 3.5" (235 mm) / 40° (1016 mm) | - | 15 FPM (4.5 MPM)to 360 FPM (109 MPM), 1 FPM (025 MPM) increments |
| Environment 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Expansion joint maximum 2.5" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse ✓ Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications Travel direction Travel direction Forward & Reverse Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive type Motor Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Rear wheels Casters 6" (152 | Environment O to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications +/25" (6.4 mm) Maximum abrupt elevation change, smoothed +/25" (6.4 mm) Expansion joint maximum .25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10° Ω Radio communications WI-Fi 5 Laser Guidance Forward & Reverse 5 Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications Forward & Reverse Travel direction Forward & Reverse Drive Unit - Wheel 10° (254 mm) dia x 4" (101.5 mm)W - Poly Drive type 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor 3.8 km AC brushless Casters 6" (152 mm) diameter x 3" (76 mm)W - Poly Load wheels in forks 3.5" (89 mm) diameter x 3" (76 mm)W - Poly Cot sto to load wheel center raised / lowered 3.4" (295 mm)/40" (1016 mm) | | |
| Atmosphere 0 to 104° F (0 to 40° C), 25% to 95% non-condensing Dust/water proof No Floor Specifications ** Maximum abrupt elevation change, smoothed +*. 25" (6.4 mm) Expansion joint maximum .25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 × 10° Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse • Steer angle sensor encoder ✓ Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications • Travel direction Forward & Reverse Drive Unit - Wheel 10" (254 mm) diax 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (254 mm) diameter x 3" (76 mm)W – Poly Drive type • • Motor 3.8 kw AC brushless Brake Spring actuated (fail safe) Steer Motor AC brushless Rear wheels Casters 6" (152 mm) diameter x 3" (76 mm)W – Poly <td>Atmosphere 0 to 104" F (0 to 40° C), 25% to 95% non-condensing Dustywater proof No Floor Specifications +/25" (6.4 mm) Maximum abrupt elevation change, smoothed +/25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10" Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse - Steer angle sensor encoder ✓ Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications Forward & Reverse Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Chrushless Brake Spring actuated (fail safe) Steer Motor Ac Strushless Rear wheels Casters 6" (152 mm) diameter x 3" (76 mm)W – Poly Load wheels in forks 3.5" (89 mm) diameter x 6" (152 mm)W – Dylaon" A Poly Fork Length 4.4" (1219 mm) Longer forks to double pal</td> <td></td> <td></td> | Atmosphere 0 to 104" F (0 to 40° C), 25% to 95% non-condensing Dustywater proof No Floor Specifications +/25" (6.4 mm) Maximum abrupt elevation change, smoothed +/25" (6.4 mm) Grade rating 3% Coefficient of friction between wheels and floor >= 0.6 Floor Conductivity Static dissipative, less than 3.5 x 10" Ω Radio communications Wi-Fi 5 Laser Guidance Forward & Reverse - Steer angle sensor encoder ✓ Steering accuracy +/5" (12.7 mm) Guide loss Error generated within 6" (152 mm)of loss path Stopping accuracy +/5" (12.7 mm) Detailed Specifications Forward & Reverse Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Wheel 10" (254 mm) dia x 4" (101.5 mm)W – Poly Drive Unit - Chrushless Brake Spring actuated (fail safe) Steer Motor Ac Strushless Rear wheels Casters 6" (152 mm) diameter x 3" (76 mm)W – Poly Load wheels in forks 3.5" (89 mm) diameter x 6" (152 mm)W – Dylaon" A Poly Fork Length 4.4" (1219 mm) Longer forks to double pal | | |
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M 8 K - P J Pallet Jack

 TWO LOAD CAPACITY OPTIONS

 4,500 lbs
 8,000 lbs

 (2041 kg)
 (3628 kg)

 TWO FORK LENGTH OPTIONS

 48" (1219 mm)
 96" (2438 mm)*

THREE CONTROLS OPTIONS Standalone SAM SmartPanel

NAVIGATION Natural Feature Navigation Laser - Inertial



^{*} For 96" (2438 mm) forks, consult engineering



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* For any applications greater than these specifications, please contact Engineering.