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|---|--|--|---|--|---|---|----------------------------|
| Kardex Shuttle VLM Model | : SHUTTLE-01-500-3050x864x6750 | | | | | | |
| Quantity of Units | : 1 | | | | | | |
| Overall Unit Height | : 6750 mm | 22 feet, 1.75 in. | | | | | |
| Required Room Height | : 6770 mm | 22 feet, 2.52 in. | | | | | |
| The required room height (unit height + 20mm /0.79") is the absolute minimum measure. Possible floor / ceiling unevenness and slope must be considered therein. | | | | | | | |
| Overall Unit Width | : 3380 mm | 133.07 in. | | | | | |
| Unit Depth | : 3073 mm | 120.98 in. | | | | | |
| Add Extraction Table Depth | : n/a mm | | | | | | |
| Overall Unit Depth | : 3073 mm | | | | | | |
| 1st Front MASTER access - table height (TH1) | : Floor @ 0 mm = table height 833 mm | Floor @ 0 in. = table height 32.8 in. | | | | | |
| 2nd Front Access - table height (TH2) | : N/A | | | | | | |
| Add Rear Access - table height (TH3) | : N/A | | | | | | |
| Unit Weight without Trays | : 3126 kg. (6892 lbs.) | (Per unit) | TOTAL UNIT LOAD (Unit Capacity): 70000 kg. (154322 lbs.) | | | | |
| Dead Weight of configured Trays | : 6448 kg. (14215 lbs.) | (Per Unit) | Unit Capacity minus Dead Weight of configured Trays: 63552 kg. (140107 lbs.) | | | | |
| Unit Weight with Configured Trays (empty) | : 9574 kg. (21107 lbs.) | (Per Unit) | Payload: Max. Tray Capacity x Qty. of trays configured/unit: 52520 kg. (115786 lbs.) | | | | |
| Total unit weight (w/configured Trays loaded) | : 62094 kg. (136893 lbs.) | (Maximum per Unit) | Gross Load (Payload + dead weight of trays)/unit as configured: 58968 kg. (130001 lbs.) | | | | |
| Average Qty. Trays / Unit | Tray Type | Clear Width x Depth | Maximum Load/Tray kg. lbs. | Capacity/Sq.Ft. lbs. | Access Height / Lower Edge of tray bottom TH1 mm + mm = (in.) | Retrieval position /Upper edge of tray bottom TH1 mm + mm = (in.) | |
| 0 | Light | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | 120 265 | 9.4 | 833 + 21 (33.62 in.) | 833 + 22.5 (33.68 in.) |
| 0 | Medium | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | 205 452 | 15.9 | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | Strong | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | 265 584 | 20.6 | 833 + 21 (33.62 in.) | 833 + 23.5 (33.72 in.) |
| 0 | 66-1-Medium-100 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | 470 1036 | 36.5 | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 75-2-Medium-100 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 104 | 75-3-Medium-100 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | 505 1113 | 39.3 | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 100-3-Medium-100 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 100-3-Medium-110 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 100-2-Medium-100 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 100-2-Medium-110 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 100-2-Medium-130 | 3050 mm x 863.6 mm | 120.08 in. x 34 in. | - - | - | 833 + 21 (33.62 in.) | 833 + 23 (33.7 in.) |
| 0 | 121-4-Medium-100 | 3010 mm x 863.6 mm | 118.5 in. x 34 in. | - - | - | 833 + 66 (35.39 in.) | 833 + 68 (35.47 in.) |
| 0 | 121-4-Medium-110 | 3010 mm x 863.6 mm | 118.5 in. x 34 in. | - - | - | 833 + 66 (35.39 in.) | 833 + 68 (35.47 in.) |
| 0 | 121-4-Medium-120 | 3010 mm x 863.6 mm | 118.5 in. x 34 in. | - - | - | 833 + 66 (35.39 in.) | 833 + 68 (35.47 in.) |
| 0 | 121-4-Medium-130 | 3010 mm x 863.6 mm | 118.5 in. x 34 in. | - - | - | 833 + 66 (35.39 in.) | 833 + 68 (35.47 in.) |
| Minimum Tray Spacing | : 100 mm / 3.94 in. | on 25 mm / 0.98 in. increments | | Depends on unit drive and Tray Type selection | | | |
| Maximum Product Height | : 727 mm / 28.62 in. | | | | Depends on Tray Type selection | | |
| Clearance Required Above Product | : 20 mm / 0.78 in. | | | | | | |
| Storage Surface Area Net Offered / Unit | : 273.92 | Avg. Sq. Meters of Surface Area | 2.948 | Avg. Sq. Ft. of Surface Area | | | |
| Max. Useable Cube w/Trays installed Net / Unit | : 20.56 | Approx. Cubic Meter | 726 | Approx. Cubic Feet | | | |
| Useable Cube @ 80% Tray Utilization / Unit | : 16.45 | Approx. Cubic Meter | 581 | Approx. Cubic Feet | | | |
| Vertical Lifting Speed (@ 100% load) | : 57.61 | meters/min. | 189.00 | ft./min. | | | |
| Vertical Lifting Speed if Extractor is w/o a Tray | : 90.01 | meters/min. | 295.30 | ft./min. | | | |
| Horizontal Extractor (Storage/Removal) Speed | : 0.60 | meters/sec. | 23.62 | in./sec. | | | |
| Pick Performance (Average Qty.) | : 94 | Trays/hour (does not consider operator picking time) | | | | | |
| | | Complete Cycle (Storage + Retrieval) | | Single Cycle (Tray Retrieval only) | | | |
| Average Access Time | : 38 | Seconds | | 20 Seconds | | | |
| Maximum Access Time | : 45 | Seconds | | 23 Seconds | | | |
| Calculation of access times is based on: 1) Speed adjustment lift (vertical) at 100%; extractor (horizontal) at 100%. Note: 100% extractor speed is not recommended for some storage goods. All delivered units have a pre-defined setting of 70%. 2) Shutter door is set to "only closed during lift travel," i.e. tray positioned in access opening is in "fingerhold." Note: This setting is only possible with units equipped with 1 access opening. With the setting "always closed," the access times will increase by ~6 seconds. 3) Options chosen on POF: automatic extraction or pneumatic tray locking will affect times outlined above. | | | | 4) If "Speed and Control" Functions, including weight management, will not be used the 'Complete Cycle' times outlined can be reduced by 5 seconds ▼ | | | |
| For very tall units which contain a large number of trays, the average and maximum access times can increase as a result of the required internal computing time of the controller during the return of stock. With time-critical units (e.g. high performance order picking units or robot handling with cycle times) a prior consultation with the factory is recommended. | | | | | | | |
| Power | : 480 / 3 / 60 (Volts / Phase / Hz) | | | | | | |
| Maximum Power Consumption | : 15 kVA | | | | | | |
| Connection Voltage - Recommended mains fuse | : 30 Amp Per Machine | | | | | | |
| Connection Voltage - Mains current (FLA) | : 20.9 Amp Per Machine | | | | | | |
| Typical Energy Consumption / STORAGE (5 cycles/hr) | : 0.74 KWh | | | | | | |
| Typical Energy Consumption / ORDER PICKING (20 cycles/hr) | : 1.16 KWh | | | | | | |
| Included with this configured Shuttle | | | | | | | |
| Color Panels and Load Profiles | : RAL 7035 Light Grey | | | | | | |
| Color Shutter Door, Cover Under Access Opening | : RAL 230/60/15 Silver Fir Blue | | | | | | |
| Color Access Opening Inside: cover and floor | : RAL 7035 Light Grey | | | | | | |
| Color Shelf Rail Panels | : RAL 7035 Light Grey | | | | | | |
| Side Service Panels | : 1 of 1 units include: One side Swing / one side Fixed (Standard Maintenance and Side Panels) | | | | | | |
| Confirmed : Customer has no lateral access to the unit | | | | | | | |
| External Unit Support | : Self-supported | | | | | | |
| External supports are Only for stand-alone units (not for units positioned side by side)! | | | | | | | |
| Tooth Belt Drive | : Yes | | | | | | |
| Safety Shutter Door System | : Yes, required | | | | | | |
| Overhead Lighting In Access | : LED Lighting 60 Hz | | | | | | |
| Control Type | : TIC Unit Controls | | | | | | |
| Storage Management System | : OPTIC | | | | | | |
| Operator Panel / Mounting Location | : OPTIC / | Outside (Right)/access | | | | | |
| Data interface / USB Port | : Yes | | | | | | |
| Universal 15 A UL power socket (NEMA 5/15 socket) | : No | | | | | | |
| Secure Site Control | : Yes, Virtual Site Control - without license | software license required, and not selected at this time | | | | | |
| Hardware Handshake: | : No | | | | | | |
| Access Ready Lights | : N/A | | | | | | |
| Confirmation Bar | : Yes | | | | | | |
| Display LED Navigator | : Yes (without Legacy Interface) | 1st Front Access Opening | | | | | |
| Light Pointer | : Yes LED SPOT, 40 mm dia. | 1st Front Access Opening | | | | | |
| Position Indicator Light Bar | : No | | | | | | |
| Transport Cart | : No | | | | | | |
| Crane and Support Frame | : No | | | | | | |
| Extraction Table | : No | | | | | | |
| Vertical Photocells to Monitor Extractor Column | : Yes | | | | | | |
| ESD Equipped Trays | : No | | | | | | |
| Height Measurement system MLG2 | : Yes | | | | | | |
| Not included: | : Communication Cable - Cat5 or Cat6 cable | | | | | | |