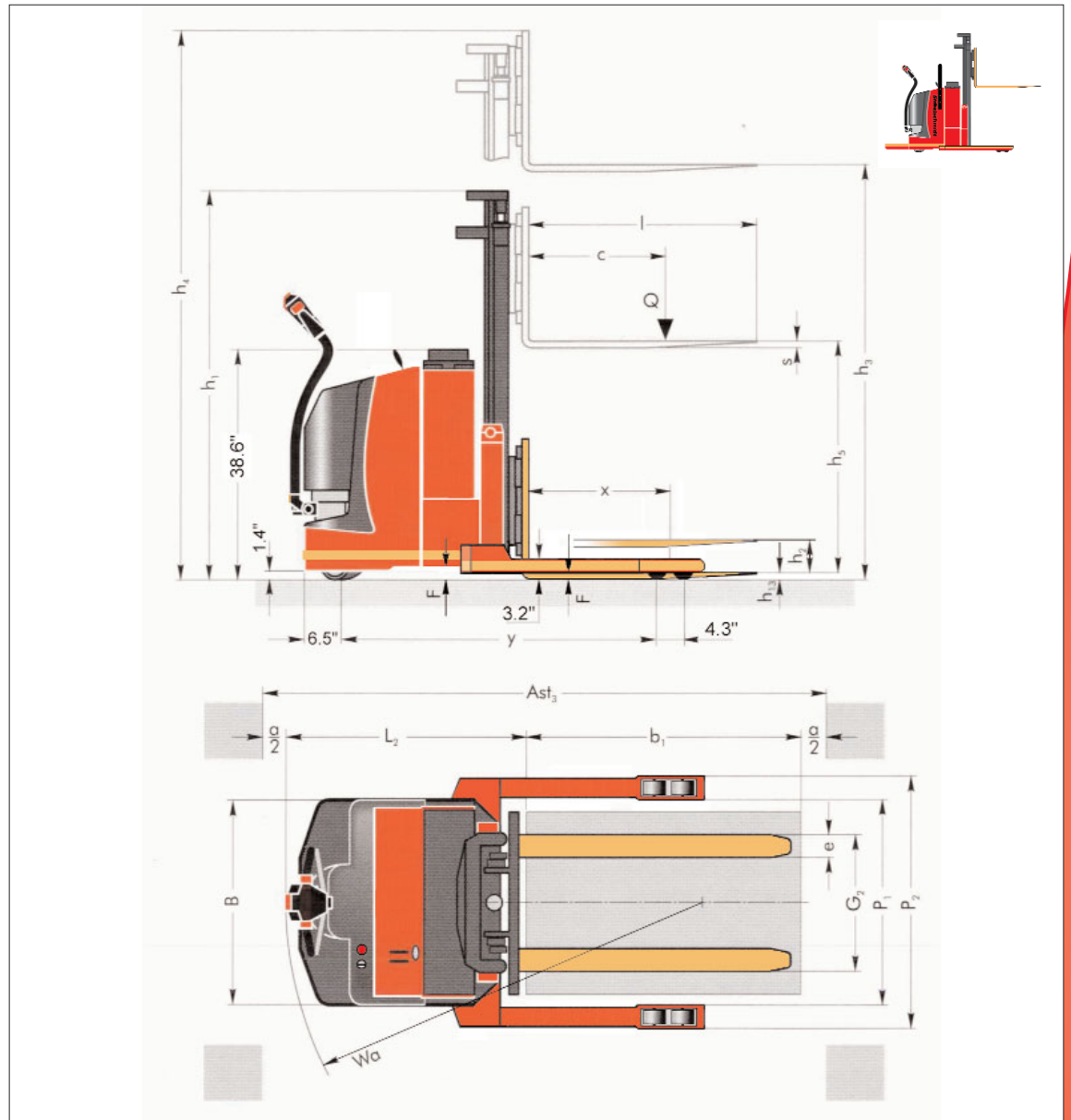




Sichelschmidt
Explosion proof forklift equipment

EX Straddle Stacker Truck
d-500-XP/ASM - CI, DI, Gr C&D



| Type of mast | All models | Model: d-525-XP/ASM | | | Models: d-530-XP/ASM & d-535-XP/ASM | | |
|---------------------------------------|-----------------------|-------------------------|----------------------------|-----------------|-------------------------------------|----------------------------|-----------------|
| | h1 Mast closed height | h3 Fork elevated height | h4 Overall extended height | h2/h5 Free Lift | h3 Fork elevated height | h4 Overall extended height | h2/h5 Free Lift |
| DFSM (Two stage, no free lift) | 67.9 | 98.4 | 123.4 | 5.9 | 95.5 | 120.7 | 5.9 |
| | 77.8 | 118.1 | 143.1 | 5.9 | 115.1 | 140.4 | 5.9 |
| | 87.6 | 137.8 | 162.8 | 5.9 | 134.8 | 160.0 | 5.9 |
| DFFM (Two stage, with free lift) | 67.9 | 98.4 | 123.4 | 42.9 | 95.5 | 120.7 | 42.7 |
| | 77.8 | 118.1 | 143.1 | 52.7 | 115.1 | 140.4 | 52.5 |
| | 87.6 | 137.8 | 162.8 | 62.6 | 134.8 | 160.0 | 62.4 |
| TFFM (Three stage, with free lift) | 67.9 | 144.5 | 165.0 | 48.6 | 140.3 | 160.9 | 46.6 |
| | 77.8 | 174.0 | 194.5 | 56.5 | 169.9 | 190.4 | 56.5 |

Sichelschmidt LLC
105 West Dewey Avenue
Bldg. B, unit 9
Wharton, NJ 07885
Tel: 973-442-7878
Fax: 973-442-1874
www.sichelschmidt.com

| Details of dimensions and design | | | | Specifications according to model and capacity | | |
|----------------------------------|-------------------|--|--|--|--------------|--------------|
| Designations | 1 | Manufacturer | | Sichelschmidt | | |
| | 2 | Model | model number | d-525-XP/ASM | d-530-XP/ASM | d-535-XP/ASM |
| | 3 | EX Certification | testing lab. / hazardous area rating | NRTL - Class 1, Divisions 1 & 2, Groups C & D | | |
| | 4 | Mast type | | DFSM / DFFM / TFFM | | |
| | 5 | Capacity | Q = lifting load lb | 2500 | 3000 | 3500 |
| | 6 | Load center | c = distance inch | 24 | 24 | 24 |
| | 7 | Drive | electric (battery) | 24V electric AC | | |
| | 8 | Steering | hand walk behind / sit down driver | hand walk behind | | |
| | 9 | Tires | V = solid rubber, Vulko = vulkollan, CSE = super elastic | Vulko | | |
| | 10 | Wheels (x=driven) | drive wheel (caster wheel) / load wheels | 1(2) / 4 | | |
| | Dimensions | 11 | Carriage type | ITA | Class II | |
| 12 | | Mast specifications | h5 = free lift inch | see front for mast specifications | | |
| 13 | | | h3 = fork elevated height inch | see front for mast specifications | | |
| 14 | | | h2 = normal free lift inch | see front for mast specifications | | |
| 15 | | | h5 = special free lift inch | see front for mast specifications | | |
| 16 | | | h1 = mast overall collapsed height inch | see front for mast specifications | | |
| 17 | | h4 = mast overall extended height inch | see front for mast specifications | | | |
| 18 | | Tilt | lifting frame, forward / backward degrees | | | |
| 19 | | Fork specifications | h13 = fork lowered height inch | 1.8 | 2.0 | |
| 20 | | | s = fork thickness inch | 1.4 | 1.6 | |
| 21 | | | e = fork width inch | 4.2 | | |
| 22 | | | l = fork length inch | 42 | | |
| 23 | | | Plating | Non / Brass / Stainless steel | Brass plated | |
| 24 | | General specifications | L2 = truck length incl. fork heel inch | 41.4 | 41.8 | |
| 25 | | | H3 = step height (driver standing platform) inch | on request | | |
| 26 | | | P1 = base leg opening inch | 43 - 50 | | |
| 27 | | | P2 = base leg overall width inch | 51.6 - 58.6 | | |
| 28 | | | B = tractor width inch | 35.4 | | |
| 30 | | H1 = overhead guard height inch | | | | |
| 30 | | G2 = max. fork spread (manual adjustable) inch | 29.5 | | | |
| 31 | | Turning radius | Wa inch | 69.0 | 69.7 | |
| 32 | | Load distance | x from the center of front axle inch | | | |
| 33 | | Mast reach | x1 inch | 26.0 | 25.6 | |
| 34 | | Aisle requirements | Ast with a load size of 40" wide x 48" long inch | 100.0 | 100.6 | |
| Performance | 35 | Stability | to technical rules yes / no | yes | | |
| | 36 | Speed / performance | travel with load (<i>adjustable</i>) miles/hr | 3.5 | | |
| | 37 | | travel without load (<i>adjustable</i>) miles/hr | 3.7 | | |
| | 38 | | lifting with load (<i>adjustable</i>) inch/sec | 0.6 | | |
| | 39 | | lifting without load (<i>adjustable</i>) inch/sec | 0.9 | | |
| | 40 | | lowering with load (<i>adjustable</i>) inch/sec | 1.6 | | |
| | 41 | | lowering without load (<i>adjustable</i>) inch/sec | 1.1 | | |
| | 42 | Gradient | with load % | 10 | 9 | |
| 43 | without load % | | 14 | 14 | | |
| Wgt. | 44 | Truck weight | incl. 24V/400AH battery lb | 3400 | 3460 | 3465 |
| | 45 | Axle load max. | front with load lb | | | |
| 46 | back with load lb | | | | | |
| Running gear | 47 | Wheel specifications | front / rear no. of | 1 + 2 / 4 | | |
| | 48 | | drive wheel dimensions inch | 10.24 dia. x 3.35 | | |
| | 49 | | load wheel dimensions inch | 3.35 dia. x 3.15 | | |
| | 50 | | caster wheel dimensions inch | 4.92 dia. x 2.36 | | |
| | 51 | Wheel base | y inch | 57.4 | | |
| | 52 | Track | S = center of tires front to back inch | 24.6 / 47.3 - 53.3 | | |
| | 53 | Ground clearance | F = with load at the lowest point inch | 1.4 | | |
| | 54 | | F = with load at wheel base center inch | 2.0 | | |
| Drive | 55 | Brakes | service / parking / holding brake | regenerative / automatic | | |
| | 56 | | electric / mechanical | electric | | |
| | 57 | Battery information | type / container # (must be EX C1D1) | PzS container 137 / 138 | | |
| | 58 | | Volt / AH | 24 V / 300AH or 400AH | | |
| | 59 | battery weight lb | 695 (300AH) / 850 (400AH) | | | |
| | 60 | Electric motors | drive motor hp | 1.5 | | |
| | 61 | | hydraulic motor hp | 4.3 | | |
| | 62 | Working pressure | for forklift attachment lb ft/inch ² | +/- 1740 | | |
| | 63 | Gears | type of speed change | frequency converter | | |
| | 63 | | # gears / speed change | stepless | | |
| 64 | Transmission | type | bevel gear | | | |