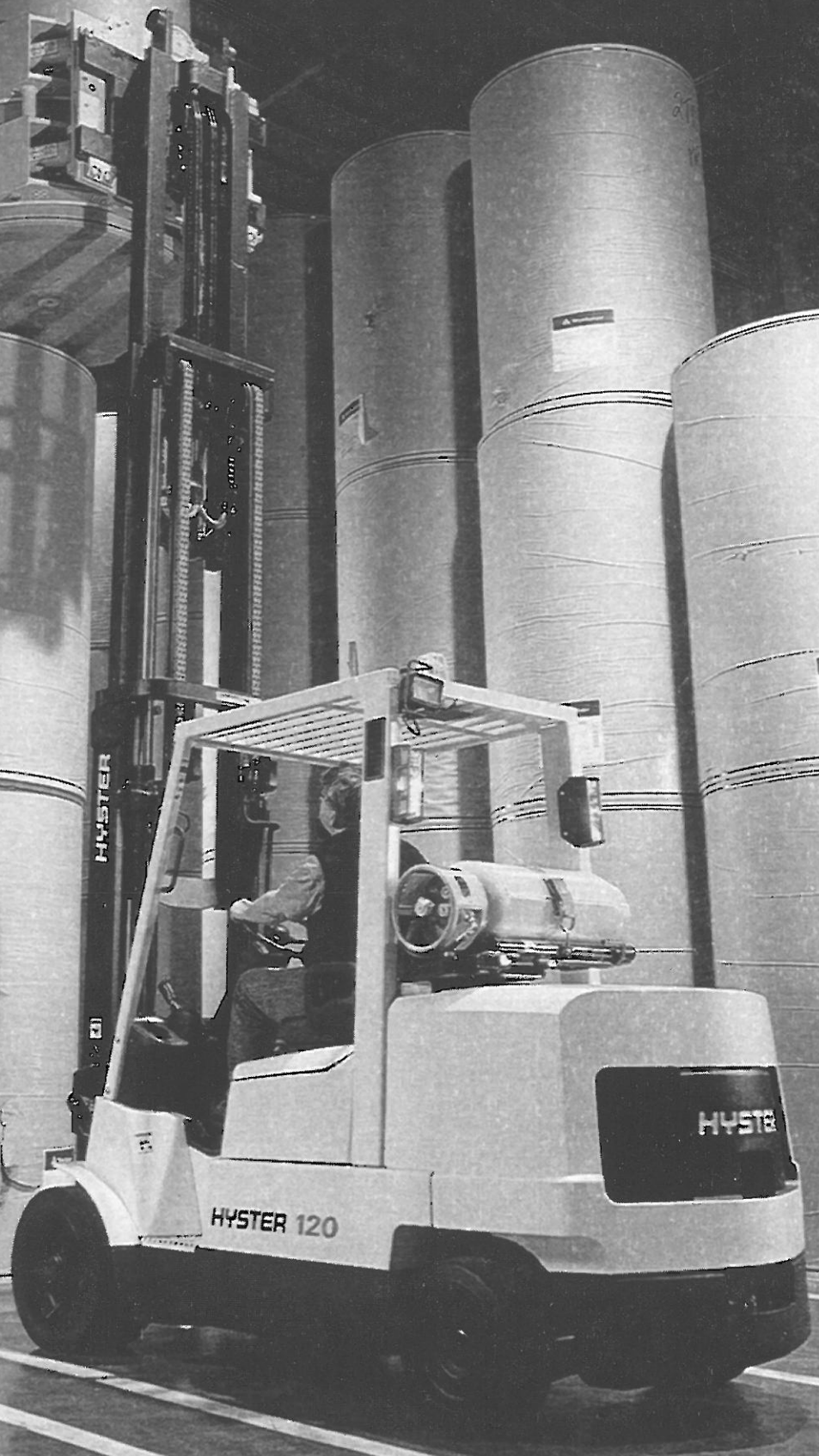


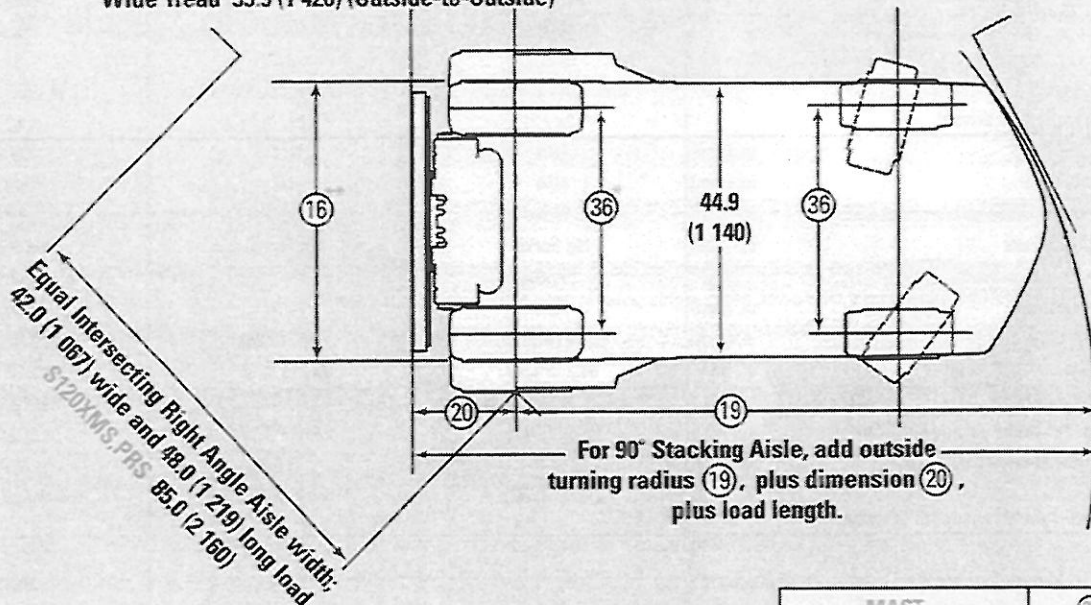
# S120XMS-PRS





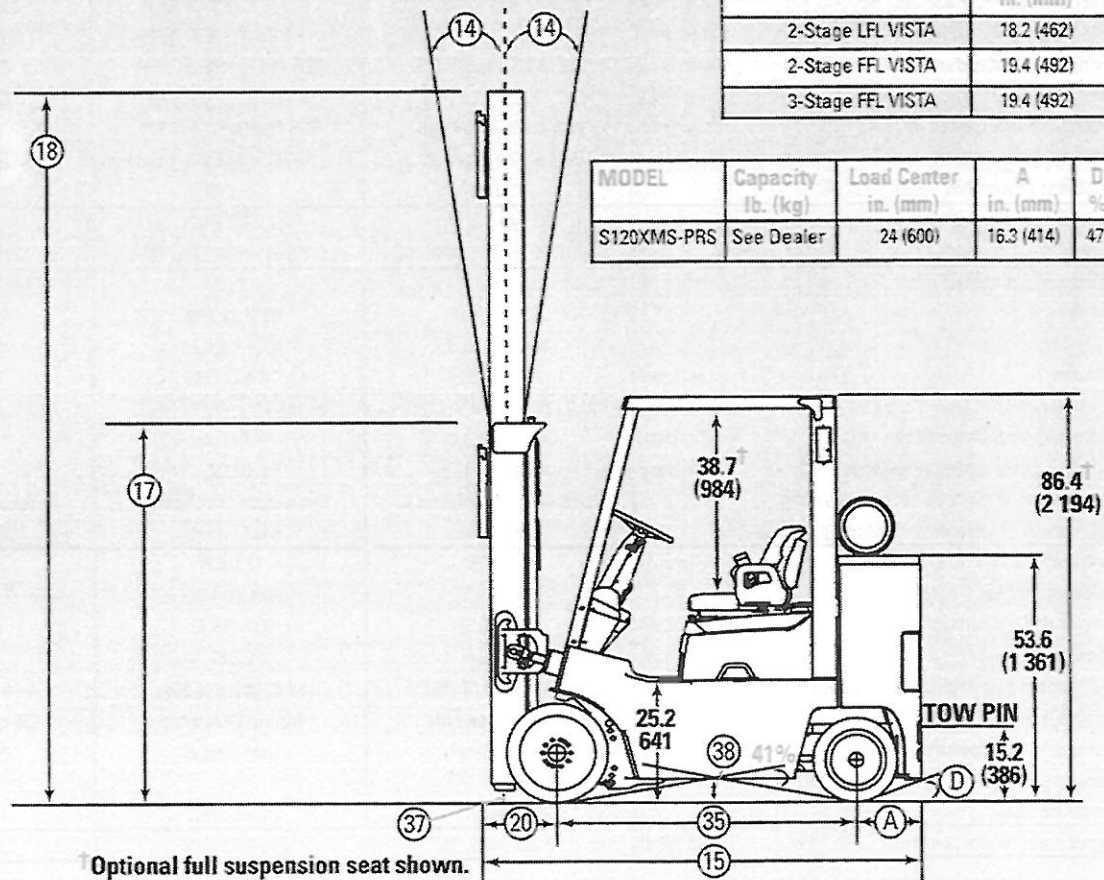
# S120XMS-PRS PAPER ROLL LIFT TRUCK SPECIFICATIONS

- Wide Tread 43.9 (1 115) (Center line to Center line)
- Wide Tread 55.9 (1 420) (Outside-to-Outside)



| MAST              | (20)<br>in. (mm) |
|-------------------|------------------|
| 2-Stage LFL VISTA | 18.2 (462)       |
| 2-Stage FFL VISTA | 19.4 (492)       |
| 3-Stage FFL VISTA | 19.4 (492)       |

| MODEL       | Capacity<br>lb. (kg) | Load Center<br>in. (mm) | A<br>in. (mm) | D<br>% |
|-------------|----------------------|-------------------------|---------------|--------|
| S120XMS-PRS | See Dealer           | 24 (600)                | 16.3 (414)    | 47     |



Circled dimensions correspond to the line numbers on the tabulated chart inside the Technical Guide.  
Dimensions are in inches (millimeters).



# S120XMS-PRS LIFT TRUCK SPECIFICATIONS

| GENERAL        | 1  | Manufacturer                                                |               | Hyster Company                   | Hyster Company                   | Hyster Company                   |
|----------------|----|-------------------------------------------------------------|---------------|----------------------------------|----------------------------------|----------------------------------|
|                | 2  | Model                                                       |               | S120XMS-PRS (GM 4.3L)            | S120XMS-PRS (GM 4.3L)            | S120XMS-PRS (Perkins)            |
|                | 3  | Capacity, rated                                             | lb. (kg)      | Varies According to Clamp Fitted | Varies According to Clamp Fitted | Varies According to Clamp Fitted |
|                | 4  | Load Center                                                 | in. (mm)      | 24.0 (600)                       | 24.0 (600)                       | 24.0 (600)                       |
|                | 5  | Power type                                                  |               | Gas                              | LPG                              | Diesel                           |
|                | 6  | Operator type                                               |               | Sit                              | Sit                              | Sit                              |
|                | 7  | Tire type, front / rear                                     |               | Cushion / Cushion                | Cushion / Cushion                | Cushion / Cushion                |
|                | 8  | Wheels, front / rear (X = driven)                           |               | 2x / 2                           | 2x / 2                           | 2x / 2                           |
| DIMENSIONS     | 10 | 2-stage LFL (TOF)                                           | in. (mm)      | N/A                              | N/A                              | N/A                              |
|                | 11 | Limited free-lift (TOF)                                     | in. (mm)      | N/A                              | N/A                              | N/A                              |
|                | 12 | Optional full free-lift (TOF) with/without LBE              | in. (mm)      | N/A                              | N/A                              | N/A                              |
|                | 13 | Forks, width / thickness                                    | in. (mm)      | No Forks                         | No Forks                         | No Forks                         |
|                | 14 | Tilt angle, forward / backward                              | Deg.          | 5 / 6                            | 5 / 6                            | 5 / 6                            |
|                | 15 | Length to face of forks                                     | in. (mm)      | N/A                              | N/A                              | N/A                              |
|                | 16 | Width, standard tires                                       | in. (mm)      | 52.0 (1 320)                     | 52.0 (1 320)                     | 52.0 (1 320)                     |
|                | 17 | Height, standard mast lowered                               | in. (mm)      | 84.2 (2 138)                     | 84.2 (2 138)                     | 84.2 (2 138)                     |
|                | 18 | Height, std mast extended w/out LBE or attachment           | in. (mm)      | 160.7 (4 082) / 145.9 (3 707)    | 160.7 (4 082) / 145.9 (3 707)    | 160.7 (4 082) / 145.9 (3 707)    |
|                | 19 | Turning radius, minimum outside (truck only)                | in. (mm)      | 93.5 (2 375)                     | 93.5 (2 375)                     | 93.5 (2 375)                     |
|                | 20 | Center of wheel to face of forks                            | in. (mm)      | N/A                              | N/A                              | N/A                              |
|                | 22 | Aisle width<br>(Add load & attachment length for 90° stack) | in. (mm)      | 111.7 (2 837)                    | 111.7 (2 837)                    | 111.7 (2 837)                    |
| PERFORMANCE    | 23 | Stability (Comply with ANSI?)                               |               | YES                              | YES                              | YES                              |
|                | 24 | Travel speed, maximum forward (PS)                          | mph (km/h)    | 11.8 (19.0)                      | 11.8 (19.0)                      | 11.8 (19.0)                      |
|                | 25 | Lift speed, standard mast NL / RL                           | ft/min (m/s)  | 108.0 (0.51) / 105.0 (0.53)      | 108.0 (0.51) / 105.0 (0.53)      | 108.0 (0.51) / 105.0 (0.53)      |
|                |    | Optional 2-stage FFL mast NL / RL                           | ft/min (m/s)  | 101.0 (0.51) / 87.0 (0.44)       | 101.0 (0.51) / 87.0 (0.44)       | 101.0 (0.51) / 87.0 (0.44)       |
|                |    | Optional 3-stage FFL mast NL / RL                           | ft/min (m/s)  | 102.0 (0.52) / 89.0 (0.45)       | 102.0 (0.52) / 89.0 (0.45)       | 102.0 (0.52) / 89.0 (0.45)       |
|                | 26 | Lowering speed, standard mast NL / RL                       | ft/min (m/s)  | 82.0 (0.42) / 100.0 (0.51)       | 82.0 (0.42) / 100.0 (0.51)       | 82.0 (0.42) / 100.0 (0.51)       |
|                |    | Optional 2-stage FFL mast NL / RL                           | ft/min (m/s)  | 63.0 (0.32) / 92.0 (0.47)        | 63.0 (0.32) / 92.0 (0.47)        | 63.0 (0.32) / 92.0 (0.47)        |
|                |    | Optional 3-stage FFL mast NL / RL                           | ft/min (m/s)  | 76.0 (0.39) / 92.0 (0.47)        | 76.0 (0.39) / 92.0 (0.47)        | 76.0 (0.39) / 92.0 (0.47)        |
|                | 27 | Drawbar pull, Powershift, maximum / 1 mph                   | lbf (kN)      | 6,962 (31.0) / 6,222 (27.7)      | 6,520 (29.0) / 5,801 (25.8)      | 5,790 (25.7) / 5,320 (23.7)      |
|                | 28 | Gradeability, Powershift 1 mph NL / RL                      | %             | 25 / 21                          | 25 / 20                          | 23 / 19                          |
| WT.            | 30 | Total approximate weight, excluding clamp                   | lb. (kg)      | 17,240 (7 820)                   | 17,240 (7 820)                   | 17,240 (7 820)                   |
|                | 31 | Axle loading, static, front / rear - RL, excluding clamp    | lb. (kg)      | 15,112 (6 855) / 1,640 (744)     | 15,112 (6 855) / 1,640 (744)     | 15,112 (6 855) / 1,640 (744)     |
| WHEELS & TIRES | 32 | Number tires, front / rear                                  |               | 2 / 2                            | 2 / 2                            | 2 / 2                            |
|                | 33 | Size of tires, front                                        |               | 22 X 12 X 16                     | 22 X 12 X 16                     | 22 X 12 X 16                     |
|                | 34 | Size of tires, rear                                         |               | 18 X 8 X 12.1                    | 18 X 8 X 12.1                    | 18 X 8 X 12.1                    |
|                | 35 | Wheelbase                                                   | in. (mm)      | 70.5 (1 790)                     | 70.5 (1 790)                     | 70.5 (1 790)                     |
|                | 36 | Tread, center of tires, front / rear                        | in. (mm)      | 40.0 (1 015) / 39.5 (1 003)      | 40.0 (1 015) / 39.5 (1 003)      | 40.0 (1 015) / 39.5 (1 003)      |
|                | 37 | Ground clearance, lowest point - NL                         | in. (mm)      | 4.7 (118)                        | 4.7 (118)                        | 4.7 (118)                        |
|                | 38 | Ground clearance, center wheelbase - NL                     | in. (mm)      | 6.0 (152)                        | 6.0 (152)                        | 6.0 (152)                        |
|                | 39 | Brakes, method of control, service / parking                |               | Hydraulic / Mechanical           | Hydraulic / Mechanical           | Hydraulic / Mechanical           |
|                | 40 | Brakes, method of operation, service / parking              |               | Foot / Hand                      | Foot / Hand                      | Foot / Hand                      |
| DRIVE/TRAIN    | 42 | Battery, volts / cold cranking amps                         | V (amps)      | 12 / 475                         | 12 / 475                         | 12 / 900                         |
|                | 46 | Engine make / model                                         |               | GM V6-4.3L                       | GM V6-4.3L                       | Perkins 1004                     |
|                | 47 | Output per SAE standards                                    | hp (kW)       | 93.8 (69.9)                      | 93.8 (69.9)                      | 82.3 (61.4)                      |
|                | 48 | Governed speed - NL                                         | rpm           | 2,500                            | 2,500                            | 2,500                            |
|                | 49 | Cycle / Number of cylinders / Displacement                  | cu. in. (cm³) | 4 / 6 / 260.0 (4 260)            | 4 / 6 / 260.0 (4 260)            | 4 / 4 / 255.5 (4 180)            |
|                | 51 | Clutch type (Powershift)                                    |               | Torque Converter                 | Torque Converter                 | Torque Converter                 |
|                | 52 | Gear change type (Powershift)                               |               | Foot / Hand                      | Foot / Hand                      | Foot / Hand                      |
|                | 53 | Number speeds, forward / reverse                            |               | 1 / 1                            | 1 / 1                            | 1 / 1                            |
|                | 54 | Transmission type                                           |               | Powershift                       | Powershift                       | Powershift                       |
|                | 55 | Relief pressure for attachments                             | psi (kPa)     | 2,250 (15 513)                   | 2,250 (15 513)                   | 2,250 (15 513)                   |

**CERTIFICATION:** These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178 (a) (2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

**NOTE:** Performance specifications are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.



# S120XMS-PRS PAPER ROLL SPECIAL LIFT TRUCK SPECIFICATIONS

## CAPACITY

Model S120XMS-PRS: CAPACITY VARIES ACCORDING TO CLAMP FITTED.

*Not for use in fork applications.*

## STANDARD EQUIPMENT

Complete S120XMS-PRS truck is equipped with:

GM V6-4.3L LPG engine (with fixed LPG bracket); powertrain protection system; 112.0" (2 845 mm) two-stage limited free-lift VISTA® mast; 5° forward / 6° backward tilt; 42.0" (1 067 mm) wide hook-type carriage; three-function direct acting hydraulic control valve; single speed powershift transmission; MONOTROL pedal; One Quart Hydra Smooth accumulator; instrumentation panel including: water temperature gauges, charge circuit light, transmission oil pressure & temperature lights, brake fluid level light and engine coolant light; single pedal inch brake; drum service brakes; 87.0" (2 210 mm) OAH overhead guard; 52.0" (1 321 mm) tread; 22 x 12 x 16 smooth tread drive tires; 18 x 8 x 12.1 smooth tread steer tires; tilt steering wheel; air cleaner; vinyl non-suspension seat; operator restraint system; rear counterweight exhaust; 2 brake lights with back-up lights; operating manual; and UL Classification LP.

### *Optional equipment includes:*

GM V6-4.3L fuel injected gas engine (w/ UL Classification G); Perkins 1004 diesel engine (w/ UL Classification D); EZXchange LP tank bracket; premium monitor group including std instrumentation plus: engine oil pressure gauge, voltmeter, air cleaner restriction light, password protection key system and low fuel level light (LPG); 2 pedal inch brake; radiator screen (N/A with diesel engine); directional control lever; wide tread tires, smooth tread non-marking and lug tread drive and steer tires; cloth or vinyl full suspension seat (N/A w/ lowered OHG); 84.0" (2 134 mm) OAH overhead guard (N/A w/ full susp. seats); high air intake with precleaner; lights: 2 drive, 1 rear drive, 2 brake / tail with back-up lights; amber strobe light; back-up alarm; 8° forward / 5° back tilt; parts manual; various 2 and 3-stage mast heights, UL Classification G, D or LPS.

PICTURE ON THE TOP OF FRONT COVER AND ON PAGE 18 REFLECTS THE S120XM TRUCK EQUIPPED WITH A PAPER-ROLL CLAMP.