

# HYSTER CHALLENGER

## 135XL<sub>2</sub>, 155XL<sub>2</sub>

| GENERAL DIMENSIONS | 1  | Manufacturer                        | Manufacturer's Name                                 |       | Hyster Company           |                  | Hyster Company                |                  | 1  |
|--------------------|----|-------------------------------------|---|-------|--------------------------|------------------|-------------------------------|------------------|----|
|                    | 2  | Model                               | Manufacturer's Designation                          |       | H155XL <sub>2</sub> (GM) |                  | H155XL <sub>2</sub> (Perkins) |                  | 2  |
| PERFORMANCE        | 3  | Capacity                            | Rated Capacity                                      | lb.   | 15,500                   | 7,000            | 15,500                        | 7,000            | 3  |
|                    | 4  | Load Center                         | Distance  | in.†† | 24                       | 600              | 24                            | 600              | 4  |
| WHEELS/TIRES       | 5  | Power Type                          | Gas-LPG, Diesel                                     |       | Gas-LPG                  |                  | Diesel                        |                  | 5  |
|                    | 6  | Operator Type                       | Stand or Sit  |       | Sit                      |                  | Sit                           |                  | 6  |
| WEIGHT             | 7  | Tire Type                           | Solid, Pneumatic, etc.                              |       | Pneumatic                | Pneumatic        | Pneumatic                     | Pneumatic        | 7  |
|                    | 8  | Wheels                              | Number (X-driven)                                   |       | 4X                       | 2                | 4X                            | 2                | 8  |
| DIMENSIONS         | 10 | Forks                               | 2-stg. LFL Lift (Top of Fork)                       |       | 212.5                    | 5400             | 212.5                         | 5400             | 10 |
|                    | 11 | Mast Lift                           | Limited Free-Lift (Top of Fork)                     |       | 6.5                      | 165              | 6.5                           | 165              | 11 |
| PERFORMANCE        | 12 | Forks                               | Opt. Full Free-Lift (TOF) with/wo LBE               |       | -                        |                  | -                             |                  | 12 |
|                    | 13 | Forks                               | Width/thickness                                     | in.†† | 6.0                      | 150              | 2.5                           | 65               | 13 |
| WEIGHT             | 14 | Tilt angle                          | Standard Mast- forward/backward                     |       | 5                        | 10               | 5                             | 10               | 14 |
|                    | 15 | Overall                             | Length to face of forks                             |       | 145.9                    | 3705             | 145.9                         | 3705             | 15 |
| DIMENSIONS         | 16 | Dimensions                          | Width (Standard tires)                              |       | 83.1                     | 2110             | 83.1                          | 2110             | 16 |
|                    | 17 | Dimensions                          | Height, Std. mast lowered                           |       | 147.0                    | 3730             | 147.0                         | 3730             | 17 |
| PERFORMANCE        | 18 | Dimensions                          | Height, Std. mast ext. -with/wo LBE                 |       | 274.0                    | 6960             | 260.0                         | 6660             | 18 |
|                    | 19 | Turning radius                      | Minimum (Outside)                                   |       | 133.4                    | 3390             | 133.4                         | 3390             | 19 |
| WEIGHT             | 20 | Load distance                       | Center of wheel to face of forks                    |       | 23.6                     | 600              | 23.6                          | 600              | 20 |
|                    | 22 | Aisle Width                         | (Add load length for 90 deg. stacking)              |       | 157.0                    | 3990             | 157.0                         | 3990             | 22 |
| PERFORMANCE        | 23 | Stability                           | Comply with ANSI? *                                 |       | YES                      |                  | YES                           |                  | 23 |
|                    | 24 | Speeds                              | Travel Speed-Max Fwd (man/pwrshft)                  |       | 14.5                     | 23.8             | 14.8                          | 23.8             | 24 |
| WEIGHT             | 25 | Speeds                              | Lift Speed-no load/with load                        |       | 86.0                     | 0.44             | 80.0                          | 0.41             | 25 |
|                    | 26 | Speeds                              | Lowering Speed-no load/with load                    |       | 104.0                    | 0.53             | 114.0                         | 0.58             | 26 |
| DIMENSIONS         | 27 | Drawbar pull                        | Man(Max)/Powershift (1 mph)                         |       | 13,200                   | 58,720           | 8,500                         | 37,810           | 27 |
|                    | 28 | Gradeability                        | LPG Data (This line only)                           |       | -                        |                  | -                             |                  | 28 |
| PERFORMANCE        | 28 | Gradeability                        | Man(Max)/Powershift (1 mph) no load/with load       |       | 24/42                    | 24/25            | 24/41                         | 24/22            | 28 |
|                    | 30 | Total Approx. Wt.                   | LPG Data (This line only) No load/with load         |       | 24/39                    | 24/28            | -                             |                  | 30 |
| WEIGHT             | 30 | Static w/rated load-front/rear      | Std. Truck (see "Equipment") ;                      |       | 19,950                   | 9,090            | 19,950                        | 9,090            | 30 |
|                    | 31 | Static w/rated load-front/rear      | lb.   |       | 32,100                   | 14,560           | 3,270                         | 1,490            | 31 |
| DIMENSIONS         | 32 | Number-front/rear                   | 4   |       | 2                        |                  | 4                             |                  | 32 |
|                    | 33 | Tires                               | Size front  |       | 8.25 x 15 - 12 PR        |                  | 8.25 x 15 - 12 PR             |                  | 33 |
| WEIGHT             | 34 | Tires                               | Size rear   |       | 8.25 x 15 - 12 PR        |                  | 8.25 x 15 - 12 PR             |                  | 34 |
|                    | 35 | Wheelbase                           | Distance  |       | 88.0                     | 2,235            | 88.0                          |                  | 35 |
| PERFORMANCE        | 36 | Tread                               | Center of tires-front/rear                          |       | 72.6                     | 1,845            | 60.4                          | 1,535            | 36 |
|                    | 37 | Ground Clearance                    | No load at lowest point                             |       | 6.1                      | 155              | 6.1                           |                  | 37 |
| WEIGHT             | 38 | Clearance                           | center of wheelbase                                 |       | 10.0                     | 254              | 10.0                          |                  | 38 |
|                    | 39 | Brakes                              | Service/Parking-Method of Control                   |       | Hydraulic                | Mechanical       | Hydraulic                     | Mechanical       | 39 |
| PERFORMANCE        | 40 | Brakes                              | Service/Parking-Method of Operation                 |       | Foot                     | Hand             | Foot                          | Hand             | 40 |
|                    | 42 | Battery                             | Volts/Ampere hrs.                                   |       | 12                       | 335              | 12                            | 670 ††           | 42 |
| DIMENSIONS         | 46 | Internal Combustion Engine          | Make/Model  |       | GM V6-4.3L               |                  | Perkins 1004-4                |                  | 46 |
|                    | 47 | Internal Combustion Engine          | Output-Intermittent per SAE standards Gas/LPG hp. k |       | 93.8                     | 70.0             | 87.4                          | 65.2             | 47 |
| WEIGHT             | 48 | Governed Speed                      | rpm   |       | 2,500                    |                  | 2,500                         |                  | 48 |
|                    | 49 | Cycle/No. of cylinders/displacement | cu.in. cm   |       | 4                        | 6                | 244.0                         | 4,000            | 49 |
| PERFORMANCE        | 51 | Clutch                              | Type (Manual/Powershift)                            |       | Oil Clutch               | Torque Converter | Oil Clutch                    | Torque Converter | 51 |
|                    | 52 | Gear Change                         | Type (Manual/Powershift)                            |       | Foot/Hand                | Foot/Hand        | Foot/Hand                     | Foot/Hand        | 52 |
| WEIGHT             | 53 | Transmission                        | Number of Speeds-forward/reverse                    |       | 4                        | 4                | 2                             | 2                | 53 |
|                    | 54 | Transmission                        | Type  |       | Manual                   | Powershift       | Manual                        | Powershift       | 54 |
| PERFORMANCE        | 55 | Relief Pressure                     | For Attachments                                     |       | 2,250                    | 15,500           | 2,250                         | 15,500           | 55 |

\* CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANS with Part III ANSI B56.1 in effect at time of manufacture. Certification of compliance nameplate which is affixed to truck when shipped complete from the factory.

† NOTE: Performance specifications are for truck equipped as described under Specifications are affected by the condition of the vehicle and how it is equipped, as well as applications are critical, the proposed applications should be discussed with your dealer.

†† Two batteries