

HYSTER CHALLENGER

135XL₂, 155XL₂

GENERAL DIMENSIONS	1	Manufacturer	Manufacturer's Name		Hyster Company		Hyster Company		1					
	2	Model	Manufacturer's Designation		H155XL ₂ (GM)		H155XL ₂ (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					
	5	Power Type	Gas-LPG, Diesel		Gas-LPG		Diesel		5					
	6	Operator Type	Stand or Sit		Sit		Sit		6					
	7	Tire Type	Solid, Pneumatic, etc.		Pneumatic	Pneumatic	Pneumatic	Pneumatic	7					
	8	Wheels	Number (X-driven)		4X	2	4X	2	8					
	WEIGHTS	10		2-stg. LFL Lift (Top of Fork)	in.††	212.5	5,400	212.5	5,400	10				
		11		Limited Free-Lift (Top of Fork)	in.††	6.5	165	6.5	165	11				
		12		Opt. Full Free-Lift (TOF) with/wo LBE	in.††	-	-	-	-	12				
		13		Forks	Width/thickness	in.††	6.0	150	2.5	65	6.0	150	2.5	65
14			Tilt angle	Standard Mast- forward/backward	di	5	10	5	10	14				
15				Length to face of forks	in.††	145.9	3,705	145.9	3,705	15				
16			Overall	Width (Standard tires)	in.††	83.1	2,110	83.1	2,110	16				
17			Dimensions	Height, Std. mast lowered	in.††	147.0	3,730	147.0	3,730	17				
18				Height, Std. mast ext. -with/wo LBE	in.††	274.0	6,960	260.0	6,660	274.0	6,960	260.0	6,660	18
19			Turning radius	Minimum (Outside)	in.††	133.4	3,390	133.4	3,390	19				
WHEELS/TIRES	20		Load distance	Center of wheel to face of forks	in.††	23.6	600	23.6	600	20				
	22		Aisle Width	(Add load length for 90 deg. stacking)	in.††	157.0	3,990	157.0	3,990	22				
	23		Stability	Comply with ANSI? *		YES	YES	YES	YES	23				
	24			Travel Speed-Max Fwd (man/pwrshft)	mph km/	14.5	23.3	14.8	23.8	14.5	23.3	14.8	23.8	24
	25		Speeds	Lift Speed-no load/with load	ft./min.††	86.0	0.44	80.0	0.41	86.0	0.44	80.0	0.41	25
	26			Lowering Speed-no load/with load	ft./min.††	104.0	0.53	114.0	0.58	104.0	0.53	114.0	0.58	26
	27		Drawbar pull	Man(Max)/Powershift (1 mph)	lb.	13,200	58,720	8,500	37,810	13,110	58,600	7,360	32,750	27
	28			LPG Data (This line only)	lb.	12,400	55,160	7,700	34,250	-	-	-	-	28
	29		Gradeability	Man(Max)/Powershift (1 mph) no load/with load		24/42	24/25	24/41	24/22	-	-	-	-	29
	30			LPG Data (This line only) No load/with load		24/39	24/28	-	-	-	-	-	-	30
AXLES	30		Total Approx. Wt.	Std. Truck (see "Equipment") ;	lb.	19,950	9,090	19,950	9,000	30				
	31		Axle Loading	Static w/rated load-front/rear	lb.	32,100	14,560	3,270	1,490	32,100	14,560	3,270	1,490	31
	32			Number-front/rear		4	2	4	2	32				
	33		Tires	front		8.25 x 15 - 12 PR		8.25 x 15 - 12 PR		33				
	34			rear		8.25 x 15 - 12 PR		8.25 x 15 - 12 PR		34				
	35		Wheelbase	Distance	in.††	88.0	2,235	88.0	2,235	35				
	36		Tread	Center of tires-front/rear	in.††	72.6	1,845	60.4	1,535	72.6	1,845	60.4	1,535	36
	37		Ground Clearance	No load at lowest point	in.††	6.1	155	6.1	155	37				
	38			center of wheelbase	in.††	10.0	254	10.0	254	38				
	39		Brakes	Service/Parking-Method of Control		Hydraulic	Mechanical	Hydraulic	Mechanical	39				
40			Service/Parking-Method of Operation		Foot	Hand	Foot	Hand	40					
POWERTRAIN	42		Battery	Volts/Ampere hrs.	V/A	12	335	12	670 ††	42				
	46		Internal	Make/Model		GM V6-4.3L		Perkins 1004-4	46					
	47		Combustion	Output-Intermittent per SAE standards Gas/LPG hp. k		93.8	70.0	87.4	65.2	75.0	55.9	47		
	48		Engine	Governed Speed	rpm	2,500		2,500		48				
	49			Cycle/No. of cylinders/displacement	cu.in. cm	4	6	262.0	4,300	4	4	244.0	4,000	49
	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				
	53			Number of Speeds-forward/reverse		4	4	2	2	4	4	2	2	53
	54		Transmission	Type		Manual	Powershift	Manual	Powershift	54				
	55		Relief Pressure	For Attachments	psi/kPa	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