



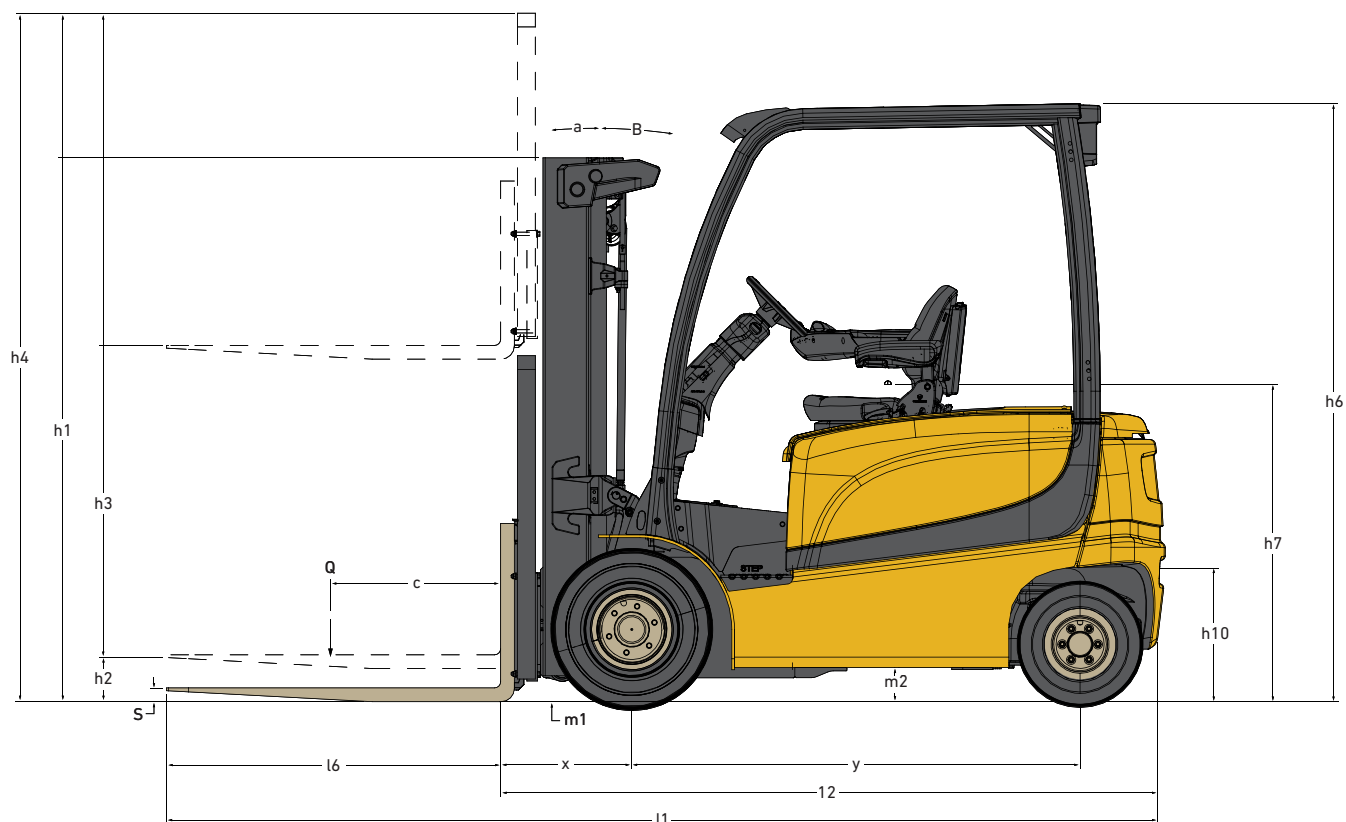
# ERP 45-70N

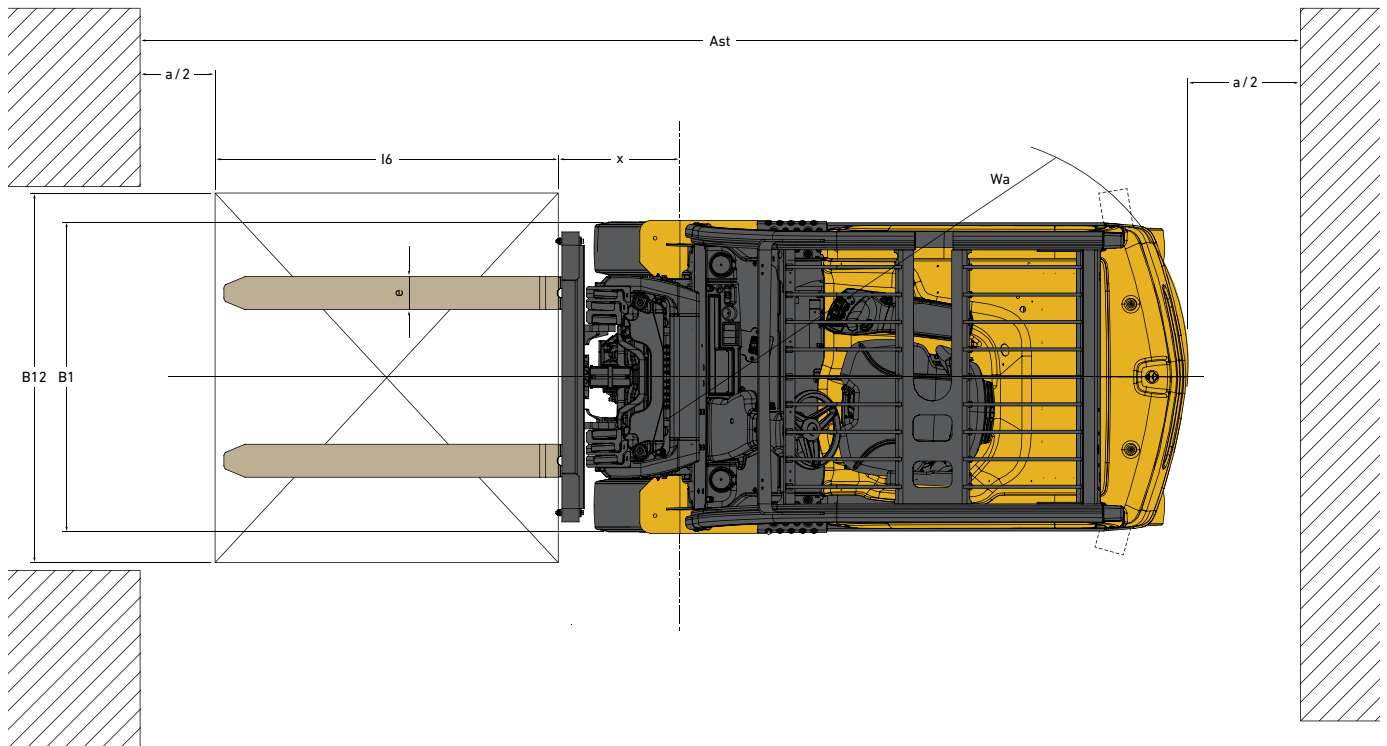
SPEC SHEET

Pneumatic tire electric  
counterbalanced forklift

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4,500-7,000 lbs.





## GENERAL SPECIFICATIONS

GENERAL	1-1	Manufacturer			Yale				
	1-2	Model designation			ERP45N	ERP50N	ERP50N	ERP60N	ERP70N
	1-2-1	Model			Standard				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG			Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker			Seated				
	1-5	Rated capacity/rated load	Q	lb (kg)	4500 (2041)	5000 (2268)	5500 (2495)	6000 (2722)	7000 (3175)
	1-6	Load center distance	c	in (mm)	24 (609)				
	1-8	Load distance, center of drive axle to fork	x	in (mm)	16.7 (424)			17.1 (434)	
	1-9	Wheelbase	y	in (mm)	64.5 (1636)		70.1 (1780)		
WEIGHT	2-1	Service weight <sup>(1)</sup>		lb (kg)	9989 (4531)	10,211 (4642)	11,931 (5412)	12,145 (5509)	12,668 (5746)
	2-2	Axle loading loaded, front/rear <sup>(1)</sup>		lb (kg)	12,253 / 2145 (5558 / 973)	13,783 / 1960 (6252 / 889)	14,394 / 3046 (6529 / 1382)	16,378 / 2378 (7429 / 1079)	17,895 / 2491 (8117 / 1130)
	2-3	Axle loading unloaded, front/rear <sup>(1)</sup>		lb (kg)	5039 / 4949 (2286 / 2245)	5110 / 5123 (2318 / 2324)	5976 / 5955 (2711 / 2701)	6239 / 5906 (2830 / 2679)	6063 / 6605 (2750 / 2996)
WHEELS	3-1	Tires, front/rear			Super Elastic				
	3-2	Tire size, front		in	23 × 9 - 10			23 × 10 - 12	
	3-3	Tire size, rear		in	18 × 7 - 8				
	3-5	Number of wheels, front/rear (X = driven)			2x / 2				
	3-6	Tread, front *	b <sub>10</sub>	in (mm)	38.3 (972)			38.7 / 41.5 (983 / 1054)	
	3-7	Tread, rear	b <sub>11</sub>	in (mm)	38.3 (973)				
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward	α / β	(o)	5 / 5				
	4-2	Height, mast lowered	h <sub>1</sub>	in (mm)	84.3 (2140)			88.3 (2240)	
	4-3	Free lift <sup>(2)</sup>	h <sub>2</sub>	in (mm)	3.9 (100)				
	4-4	Lift <sup>(2)</sup>	h <sub>3</sub>	in (mm)	126.9 (3220)			127.2 (3228)	
	4-5	Height, mast extended <sup>(3)</sup>	h <sub>4</sub>	in (mm)	176.5 (4480)			177.2 (4498)	
	4-7	Height of overhead guard <sup>(4)</sup>	h <sub>6</sub>	in (mm)	86.4 (2193)				
	4-8	Seat height relating to SIP/stand height <sup>(5)</sup>	h <sub>7</sub>	in (mm)	46.4 (1177)				
	4-12	Coupling height	h <sub>10</sub>	in (mm)	19.1 (484)				
	4-19	Overall length	l <sub>1</sub>	in (mm)	132.8 (3371)		138.5 (3515)	138.9 (3525)	141.5 (3591)
	4-20	Length to face of forks <sup>(6)</sup>	l <sub>2</sub>	in (mm)	93.4 (2371)		99.1 (2515)	99.5 (2525)	102.1 (2591)
	4-21	Overall width *	b <sub>1</sub>	in (mm)	46.7 / 51 (1185 / 1296)			48.1 / 51 (1223 / 1296)	
	4-22	Fork dimensions DIN ISO 2331	s/e/l	in (mm)	1.6 × 3.9 × 42 (40 × 100 × 1067)			2 × 4.7 × 42 (50 × 120 × 1067)	
	4-23	Fork carriage ISO 2328, class/type A, B			II A			III A	
	4-24	Fork carriage width <sup>(7)</sup>	b <sub>3</sub>	in (mm)	42 (1067)				
	4-31	Ground clearance, loaded, below mast	m <sub>1</sub>	in (mm)	3.9 (98)				
	4-32	Ground clearance, center of wheelbase	m <sub>2</sub>	in (mm)	5.4 (137)				
	4-33	Load dimensions b <sub>12</sub> × l <sub>6</sub> crossways	b <sub>12</sub> /l <sub>6</sub>	in (mm)	47.2 × 39.4 (1200 × 1000)				
	4-34-1	Right Angle Stack for pallets 40 in × 48 in (1000 × 1200 mm)	Ast	in (mm)	144 (3654)		149.5 (3795)	149.9 (3805)	152.5 (3871)
	4-34-2	Right Angle Stack for pallets 31 in × 48 in (800 × 1200 mm)	Ast	in (mm)	149.7 (3799)		155.4 (3943)	155.7 (3953)	158.3 (4019)
	4-35	Turning radius	Wa	in (mm)	77.1 (1958)		82.8 (2102)		85.5 (2169)
	4-36	Internal turning radius	b <sub>13</sub>	in (mm)	4.8 (123)		5.3 (134)		
	4-41	90° intersecting aisle with pallet 48 in long × 40 in wide		in (mm)	78.5 (1993)		81 (2056)	81.6 (2072)	82.8 (2102)
	4-42	Step height (from ground to running board) <sup>(9)</sup>		in (mm)	27.9 / 31.9 (708 / 810)				
	4-43	Step height (between intermediate steps between running board and floor)		in (mm)	18.7 (475)				

## GENERAL SPECIFICATIONS *Continued*

PERFORMANCE	5-1	Travel speed, loaded/unloaded <sup>(10)</sup>		mph (km/h)	11.2 / 11.2 (18 / 18)		10.6 / 11.2 (17 / 18)	9.9 / 11.2 (16 / 18)
	5-1-1	Travel speed, loaded/unloaded, backwards		mph (km/h)	11.2 / 11.2 (18 / 18)		10.6 / 11.2 (17 / 18)	9.9 / 11.2 (16 / 18)
	5-2	Lift speed, loaded/unloaded		ft/min (m/s)	112.2 / 124 (0.57 / 0.63)	104.3 / 124 (0.53 / 0.63)	84.6 / 110.2 (0.43 / 0.56)	70.9 / 110.2 (0.36 / 0.56)
	5-3	Lowering speed, loaded/unloaded		ft/min (m/s)	133.9 / 120.1 (0.68 / 0.61)	135.8 / 120.1 (0.69 / 0.61)	124 / 104.3 (0.63 / 0.53)	126 / 104.3 (0.64 / 0.53)
	5-5	Drawbar pull, loaded / unloaded, 60 minute rating **		LBF (N)	1736 / 1855 (7720 / 8250)	1257 / 1288 (5590 / 5730)	1596 / 1731 (7100 / 7700)	1529 / 1641 (6800 / 7300)
	5-6	Maximum drawbar pull, loaded / unloaded, 5 minute rating ***		LBF (N)	3912 / 4112 (17400 / 18290)	3889 / 4078 (17300 / 18140)	3777 / 3957 (16800 / 17600)	3709 / 3889 (16500 / 17300)
	5-7	Gradeability, loaded / unloaded, 30 minute rating **** <sup>(11)</sup>		%	13 / 21	13 / 21	11 / 19	10 / 17
	5-8	Maximum gradability, loaded / unloaded, *** <sup>(11)</sup>		%	25 / 31	24 / 31	22 / 32	19 / 29
	5-9	Acceleration time, loaded/unloaded, 15m <sup>(10)</sup>		s	5.3 / 4.7	5.4 / 4.8	5.5 / 4.9	5.5 / 5.0
	5-10	Service brake			Hydraulic			
ELECTRIC	6-1	Drive motor rating S2 60 min		Hp (kW)	2 × 12.1 (9.0)			
	6-2	Lift motor rating at S3 15%		Hp (kW)	27.8 (20.7)			
	6-5	Battery weight (min/max)		lb (kg)	3263 / 3607 (1480 / 1636)	3902 / 4312 (1770 / 1956)		
	6-6	Energy consumption according to DIN EN 16796 <sup>(12)</sup>		(kWh/h)	6.0	6.1	6.5	7.2
OTHER	8-1	Drive control			Induction			
	10-1	Operating pressure for attachments		bar	180			
	10-2	Oil volume for attachments <sup>(13)</sup>		gal/min (l/min)	3 (10)			
	10-3	Hydraulic oil tank, capacity		gal (l)	8.7 (33.1)			
	10-7	Sound pressure level at the driver's seat <sup>(14)</sup>		dB (A)	67			
	10-8	Towing coupling, type DIN			Pin			

<sup>(1)</sup> Max. battery.

<sup>(2)</sup> Bottom of forks.

<sup>(3)</sup> Add 26.2 in (666 mm) with class II load backrest. Add 23 in (583 mm) with class III load backrest.

<sup>(4)</sup> h6 subject to +/- 0.20 in (5 mm) tolerance. Add 1 in (20 mm) with cab option. Add 4 in (104 mm) for battery side removal option. Add 124 mm for battery side removal with cab option.

<sup>(5)</sup> Full suspension in compressed position specified. Add 1.5 in (40 mm) for nominal position. Add 4 in (104 mm) for battery side removal option.

<sup>(6)</sup> With sideshift carriage add 1.3 in (34 mm) for ERP45N & ERP50N, 1.4 in (36 mm) for ERP60N & ERP70N.

<sup>(7)</sup> Add 1 in (28 mm) with load backrest.

<sup>(8)</sup> Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 4 in (100 mm) to the total clearance (dimension a) for extra operating margin at the rear of the truck.

<sup>(9)</sup> Vertical/horizontal battery removal.

<sup>(10)</sup> HiP Performance settings.

<sup>(11)</sup> Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

<sup>(12)</sup> eLo Performance settings.

<sup>(13)</sup> Maximum flow set through dash display.

<sup>(14)</sup> LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

\* Standard / Wide tread

\*\* 60 minute rating

\*\*\* 5 minute rating

\*\*\*\* 30 minute rating

Spec sheet truck based on: 128 in (3260 mm) (ERP45-50N) / 129 in (3278 mm) (ERP60-70N) TOF 2 stage LFL Mast with standard carriage, 38.5 in (1000 mm) forks with manual levers. Including optional Noise Reduction Package.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

## GENERAL SPECIFICATIONS

GENERAL	1-1	Manufacturer			Yale				
	1-2	Model designation			ERP45N	ERP50N	ERP50N	ERP60N	ERP70N
	1-2-1	Model			Enhanced				
	1-3	Drive: electric (battery or mains), diesel, gasoline, LPG			Electric (battery)				
	1-4	Operator type: hand, pedestrian, standing, seated, order-picker			Seated				
	1-5	Rated capacity/rated load	Q	lb (kg)	4500 (2041)	5000 (2268)	5500 (2495)	6000 (2722)	7000 (3175)
	1-6	Load center distance	c	in (mm)	24 (609)				
	1-8	Load distance, center of drive axle to fork	x	in (mm)	16.7 (424)			17.1 (434)	
	1-9	Wheelbase	y	in (mm)	64.5 (1636)		70.1 (1780)		
WEIGHT	2-1	Service weight <sup>(1)</sup>		lb (kg)	9989 (4531)	10,211 (4642)	11,931 (5412)	12,145 (5509)	12,668 (5746)
	2-2	Axle loading loaded, front/rear <sup>(1)</sup>		lb (kg)	12,253 / 2145 (5558 / 973)	13,783 / 1960 (6252 / 889)	14,394 / 3046 (6529 / 1382)	16,378 / 2378 (7429 / 1079)	17,895 / 2491 (8117 / 1130)
	2-3	Axle loading unloaded, front/rear <sup>(1)</sup>		lb (kg)	5039 / 4949 (2286 / 2245)	5110 / 5123 (2318 / 2324)	5976 / 5955 (2711 / 2701)	6239 / 5906 (2830 / 2679)	6063 / 6605 (2750 / 2996)
WHEELS	3-1	Tires, front/rear			Super Elastic				
	3-2	Tire size, front		in	23 × 9 - 10			23 × 10 - 12	
	3-3	Tire size, rear		in	18 × 7 - 8				
	3-5	Number of wheels, front/rear (X = driven)			2x / 2				
	3-6	Tread, front *	b <sub>10</sub>	in (mm)	38.3 (972)			38.7 / 41.5 (983 / 1054)	
	3-7	Tread, rear	b <sub>11</sub>	in (mm)	38.3 (973)				
DIMENSIONS	4-1	Tilt of mast / fork carriage forward / backward	α / β	(o)	5 / 5				
	4-2	Height, mast lowered	h <sub>1</sub>	in (mm)	84.3 (2140)			88.3 (2240)	
	4-3	Free lift <sup>(2)</sup>	h <sub>2</sub>	in (mm)	3.9 (100)				
	4-4	Lift <sup>(2)</sup>	h <sub>3</sub>	in (mm)	126.9 (3220)			127.2 (3228)	
	4-5	Height, mast extended <sup>(3)</sup>	h <sub>4</sub>	in (mm)	176.5 (4480)			177.2 (4498)	
	4-7	Height of overhead guard <sup>(4)</sup>	h <sub>6</sub>	in (mm)	86.4 (2193)				
	4-8	Seat height relating to SIP/stand height <sup>(5)</sup>	h <sub>7</sub>	in (mm)	46.4 (1177)				
	4-12	Coupling height	h <sub>10</sub>	in (mm)	19.1 (484)				
	4-19	Overall length	l <sub>1</sub>	in (mm)	132.8 (3371)		138.5 (3515)	138.9 (3525)	141.5 (3591)
	4-20	Length to face of forks <sup>(6)</sup>	l <sub>2</sub>	in (mm)	93.4 (2371)		99.1 (2515)	99.5 (2525)	102.1 (2591)
	4-21	Overall width *	b <sub>1</sub>	in (mm)	46.7 / 51 (1185 / 1296)			48.1 / 51 (1223 / 1296)	
	4-22	Fork dimensions DIN ISO 2331	s/e/l	in (mm)	1.6 × 3.9 × 42 (40 × 100 × 1067)			2 × 4.7 × 42 (50 × 120 × 1067)	
	4-23	Fork carriage ISO 2328, class/type A, B			II A			III A	
	4-24	Fork carriage width <sup>(7)</sup>	b <sub>3</sub>	in (mm)	42 (1067)				
	4-31	Ground clearance, loaded, below mast	m <sub>1</sub>	in (mm)	3.9 (98)				
	4-32	Ground clearance, center of wheelbase	m <sub>2</sub>	in (mm)	5.4 (137)				
	4-33	Load dimensions b <sub>12</sub> × l <sub>6</sub> crossways	b <sub>12</sub> /l <sub>6</sub>	in (mm)	47.2 × 39.4 (1200 × 1000)				
	4-34-1	Right Angle Stack for pallets 40 in × 48 in (1000 × 1200 mm)	Ast	in (mm)	144 (3654)		149.5 (3795)	149.9 (3805)	152.5 (3871)
	4-34-2	Right Angle Stack for pallets 31 in × 48 in (800 × 1200 mm)	Ast	in (mm)	149.7 (3799)		155.4 (3943)	155.7 (3953)	158.3 (4019)
	4-35	Turning radius	Wa	in (mm)	77.1 (1958)		82.8 (2102)		85.5 (2169)
	4-36	Internal turning radius	b <sub>13</sub>	in (mm)	4.8 (123)		5.3 (134)		
	4-41	90° intersecting aisle with pallet 48 in long × 40 in wide		in (mm)	78.5 (1993)		81 (2056)	81.6 (2072)	82.8 (2102)
	4-42	Step height (from ground to running board) <sup>(9)</sup>		in (mm)	27.9 / 31.9 (708 / 810)				
	4-43	Step height (between intermediate steps between running board and floor)		in (mm)	18.7 (475)				

## GENERAL SPECIFICATIONS Continued

PERFORMANCE	5-1	Travel speed, loadewd/unloaded <sup>(10)</sup>		mph (km/h)	12.4 / 12.4 (20 / 20)		12.1/12.4 (19.5/20)	11.2/12.4 (18/20)
	5-1-1	Travel speed, loaded/unloaded, backwards		mph (km/h)	12.4 / 12.4 (20 / 20)		12.1/12.4 (19.5/20)	11.2/12.4 (18/20)
	5-2	Lift speed, loaded/unloaded		ft/min (m/s)	120.1 / 133.9 (0.61 / 0.68)	112.2 / 133.9 (0.57 / 0.68)	94.5 / 122 (0.48 / 0.62)	78.7 / 122 (0.40 / 0.62)
	5-3	Lowering speed, loaded/unloaded		ft/min (m/s)	133.9 / 120.1 (0.68 / 0.61)	135.8 / 120.1 (0.69 / 0.61)	124 / 104.3 (0.63 / 0.53)	126 / 104.3 (0.64 / 0.53)
	5-5	Drawbar pull, loaded / unloaded, 60 minute rating **		LBF (N)	3124.8 / 3259.7 (13900 / 14500)	3102.4 / 3237.2 (13800 / 14400)	3034.9 / 3192.3 (13500 / 14200)	2990 / 3147.3 (13300 / 14000)
	5-6	Maximum drawbar pull, loaded / unloaded, 5 minute rating ***		LBF (N)	4226.4 / 4451.2 (18800 / 19800)	4203.9 / 4428.7 (18700 / 19700)	4159 / 4383.8 (18500 / 19500)	4114 / 4338.8 (18300 / 19300)
	5-7	Gradeability, loaded / unloaded, 30 minute rating **** <sup>(11)</sup>		%	24 / 31	23 / 31	21 / 32	18 / 29
	5-8	Maximum gradability, loaded / unloaded, *** <sup>(11)</sup>		%	28 / 31	27 / 31	24 / 32	21 / 29
	5-9	Acceleration time, loaded/unloaded, 15m <sup>(10)</sup>		s	5.2 / 4.6	5.3 / 4.7	5.4 / 4.8	5.5 / 4.9
	5-10	Service brake			Hydraulic			
ELECTRIC	6-1	Drive motor rating S2 60 min		Hp (kW)	2 × 16.1 (12.0)			
	6-2	Lift motor rating at S3 15%		Hp (kW)	28.8 (21.5)			
	6-5	Battery weight (min/max)		lb (kg)	3263 / 3607 (1480 / 1636)	3902 / 4312 (1770 / 1956)		
	6-6	Energy consumption according to DIN EN 16796 <sup>(12)</sup>		(kWh/h)	5.6	5.7	6.05	6.5
OTHER	8-1	Drive control			PM Motor			
	10-1	Operating pressure for attachments		bar	180			
	10-2	Oil volume for attachments <sup>(13)</sup>		gal/min (l/min)	3 (10)			
	10-3	Hydraulic oil tank, capacity		gal (l)	8.7 (33.1)			
	10-7	Sound pressure level at the driver's seat <sup>(14)</sup>		dB (A)	67			
	10-8	Towing coupling, type DIN			Pin			

<sup>(1)</sup> Max. battery.

<sup>(2)</sup> Bottom of forks.

<sup>(3)</sup> Add 26.2 in (666 mm) with class II load backrest. Add 23 in (583 mm) with class III load backrest.

<sup>(4)</sup> h6 subject to +/- 0.20 in (5 mm) tolerance. Add 1 in (20 mm) with cab option. Add 4 in (104 mm) for battery side removal option. Add 124 mm for battery side removal with cab option.

<sup>(5)</sup> Full suspension in compressed position specified. Add 1.5 in (40 mm) for nominal position. Add 4 in (104 mm) for battery side removal option.

<sup>(6)</sup> With sideshift carriage add 1.3 in (34 mm) for ERP45N & ERP50N, 1.4 in (36 mm) for ERP60N & ERP70N.

<sup>(7)</sup> Add 1 in (28 mm) with load backrest.

<sup>(8)</sup> Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 4 in (100 mm) to the total clearance (dimension a) for extra operating margin at the rear of the truck.

<sup>(9)</sup> Vertical/horizontal battery removal.

<sup>(10)</sup> HiP Performance settings.

<sup>(11)</sup> Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

<sup>(12)</sup> eLo Performance settings.

<sup>(13)</sup> Maximum flow set through dash display.

<sup>(14)</sup> LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053.

\* Standard / Wide tread

\*\* 60 minute rating

\*\*\* 5 minute rating

\*\*\*\* 30 minute rating

Spec sheet truck based on: 128 in (3260 mm) (ERP45-50N) / 129 in (3278 mm) (ERP60-70N) TOF 2 stage LFL Mast with standard carriage, 38.5 in (1000 mm) forks with manual levers. Including optional Noise Reduction Package.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

## CLASS 2 MAST

PNEUMATIC SHAPED SOLID TIRES	Maximum Fork Lift (mm)	Maximum Fork Lift (in)	Lowered Height (mm)	Lowered Height (in)	Extended Height without LBR (mm)	Extended Height without LBR (in)	Extended Height with 1220 LBR (mm)	Extended Height with 1220 LBR (in)	Free Lift Height Top of Forks (mm)	Free Lift Height Top of Forks (in)	Back tilt (°)	ERP45N	ERP50N
												Capacities (lbs) @ 24in Load Centre	Capacities (lbs) @ 24in Load Centre
2-STAGE LIMITED FREE LIFT	3260	128	2140	84	3813	150	4480	176	140	6	5	4500	5000
	3360	132	2190	86	3913	154	4580	180	140	6	5	4500	5000
	3460	136	2240	88	4013	158	4680	184	140	6	5	4500	5000
	3660	144	2340	92	4213	166	4880	192	140	6	5	4500	5000
	3760	148	2390	94	4313	170	4980	196	140	6	5	4500	5000
	4500	177	2840	112	5053	199	5720	225	140	6	5	4500	5000
	5500	216	3440	135	6053	238	6720	265	140	6	5	4350	4650
2-STAGE FULL FREE LIFT	3240	127	2090	82	3802	150	4460	176	1528	60	5	4500	5000
	3340	131	2140	84	3902	154	4560	180	1578	62	5	4500	5000
	3440	135	2190	86	4002	158	4660	183	1628	64	5	4500	5000
	3540	139	2240	88	4102	161	4760	187	1678	66	5	4500	5000
	3640	143	2290	90	4202	165	4860	191	1728	68	5	4500	5000
	3840	151	2390	94	4402	173	5060	199	1828	72	5	4500	5000
3-STAGE FULL FREE LIFT	4650	183	2040	80	5203	205	5870	231	1487	59	5	4500	4950
	4800	188	2090	82	5353	211	6020	237	1537	61	5	4500	4950
	4950	194	2140	84	5503	217	6170	243	1587	62	5	4500	4900
	5100	200	2240	88	5653	223	6320	249	1687	66	5	4500	4850
	5700	224	2490	98	6253	246	6920	272	1937	76	5	4250	4550
	6450	253	2790	110	7003	276	7670	302	2237	88	5	3850	4150

## CLASS 3 MAST

PNEUMATIC SHAPED SOLID TIRES	Maximum Fork Lift (mm)	Maximum Fork Lift (in)	Lowered Height (mm)	Lowered Height (in)	Extended Height without LBR (mm)	Extended Height without LBR (in)	Extended Height with 1220 LBR (mm)	Extended Height with 1220 LBR (in)	Free Lift Height Top of Forks (mm)	Free Lift Height Top of Forks (in)	Back tilt (°)	ERP60N	ERP70N
												Capacities (lbs) @ 24in Load Centre	Capacities (lbs) @ 24in Load Centre
2-STAGE LIMITED FREE LIFT	2880	113	2040	80	3519	139	4098	161	150	6	5	6000	7000
	2980	117	2090	82	3619	142	4198	165	150	6	5	6000	7000
	3080	121	2140	84	3719	146	4298	157	150	6	5	6000	7000
	3180	125	2190	86	3819	150	4398	161	150	6	5	6000	7000
	3280	129	2240	88	3919	154	4498	165	150	6	5	6000	7000
	3380	133	2290	90	4019	158	4598	181	150	6	5	6000	7000
	3480	137	2340	92	4119	162	4698	173	150	6	5	6000	7000
	3580	140	2390	94	4219	166	4798	177	150	6	5	6000	7000
	3680	144	2540	100	4319	170	4898	193	150	6	5	6000	7000
2-STAGE FULL FREE LIFT	3000	118	2040	80	3633	143	4224	166	1411	56	5	6000	7000
	3100	122	2090	82	3733	147	4324	170	1461	58	5	6000	7000
	3200	125	2140	84	3833	151	4424	174	1511	59	5	6000	7000
	3300	129	2190	86	3933	155	4524	178	1561	61	5	6000	7000
	3400	133	2240	88	4033	159	4624	182	1611	63	5	6000	7000
	3500	137	2290	90	4133	163	4724	186	1661	65	5	6000	7000
	3600	141	2340	92	4233	167	4824	190	1711	67	5	6000	7000
3-STAGE FULL FREE LIFT	4470	175	2090	82	5085	200	5688	224	1473	58	5	6000	7000
	4620	181	2140	84	5235	206	5838	230	1523	60	5	6000	6900
	4770	187	2240	88	5385	212	5988	236	1623	64	5	6000	6850
	4920	193	2290	90	5535	218	6138	242	1673	66	5	5900	6850
	5070	199	2340	92	5685	224	6288	248	1723	68	5	5850	6700
	5220	205	2390	94	5835	230	6438	253	1773	70	5	5800	6650
	5370	211	2490	98	5985	236	6588	259	1873	74	5	5750	6550
	5520	217	2540	100	6135	242	6738	265	1923	76	5	5650	6500
	5820	229	2640	104	6435	253	7038	277	2023	80	5	5500	6300







## FEATURES LIST

PERFORMANCE	STD	OPT
80 Volt	●	
Standard performance	●	
Standard performance: low noise		●
Enhanced performance		●
Enhanced performance: low noise		●
Standard construction – operating temperatures +32°F to +120°F	●	
Cooler/freezer package – operating temperatures –20°F to +120°F		●
Belly screen		●
System monitor – hydraulic – low fluid level indicator – hydraulic filter service indicator	●	
Battery removal without rollers – lift out	●	
Hinged door		●
Removable panels		●
Side extraction (using fork pockets)		●
Side extraction (using rollers)		●
DC to DC converter – primary – for factory installed options – 25 amps/300 watts @ 12 volts	●	
DC to DC converter – auxiliary – for customer installed accessories – 25 amps/300 watts @ 12 volts		●
Without battery	●	
Battery options		●
Without charger	●	
Charger options		●
DRIVE	STD	OPT
Seat side directional control		●
Foot directional control (FDC)	●	
Tyres – pneumatic shaped solid (PSS)	●	
Tyres – pneumatic shaped solid (PSS) – non marking		●
Tyres – pneumatic		●
Standard tread width	●	
Wide tread width		●
Tilt steering column – infinitely adjustable within a 26 degree range – gas-spring assisted	●	
Telescopic steering column with infinitely adjustable tilt and tilt memory		●
Steering wheel with integral spinner knob	●	
Steering wheel without spinner knob		●
On demand hydrostatic power assist steering	●	
LIFT	STD	OPT
2 Stage limited free lift mast – Class II/III	●	
2 Stage full free lift mast – Class II/III		●
3 Stage full free lift mast – Class II/III		●
5° Forward / 5° back mast tilt	●	
5° Forward / 4° back mast tilt		●
5° Forward / 6° back mast tilt		●
10° Forward / 5° back mast tilt		●

HANDLING	STD	OPT
With tilt cylinder boots		●
Hook type carriage – 42" (1067mm)	●	
Hook type integral sideshift carriage – 42" (1067mm)		●
Hook type integral sideshift carriage with fork positioner – 42" (1067mm)		●
Hook type standard carriage – 48" (1220mm)		●
Hook type integral sideshift carriage – 48" (1220mm)		●
Hook type integral sideshift carriage with fork positioner – 48" (1220mm)		●
Hook type standard carriage – 54" (1372mm)		●
Hook type integral sideshift carriage – 54" (1372mm)		●
Without load backrest	●	
48" (1220mm) high load backrest		●
Hook type standard taper forks	●	
Hook type polished and full bottom tapered forks		●
3 function (1 auxiliary) hydraulic control valve	●	
4 function (2 auxiliary) hydraulic control valve		●
Mechanical lever hydraulic controls – seat side	●	
Accutouch mini-lever hydraulic controls – seat side		●
Joystick hydraulic controls		●
Clamping function		●
Return to set tilt function		●
Without hose group	●	
3 Function hose group (1 auxiliary)		●
4 Function hose group (2 auxiliary)		●
Auxiliary extension tubes		●
Auxiliary extension tubes with quick disconnect		●
Hydraulic accumulator – 1.0 Quart – piston type		●
Load weight indicator		●
VISIBILITY	STD	OPT
Audible alarm – reverse direction activated – factory set to 87 dB(A) – manually adjustable to 87, 97 or 102 dB(A)		●
Visible alarm – amber LED strobe – keyswitch activated – does not increase truck height		●
Forward and reverse activated audible alarm (self-adjusting 82–102 dB(A))		●
Without lights	●	
LED work lights		●
LED rear lights		●
LED rear lights – stop/tail/reverse		●
LED rear lights – stop/tail/reverse/turn		●
Blue LED pedestrian awareness spot light – front and rear		●
Red LED pedestrian awareness spot light – front and rear		●
Travel speed alarm		●
Travel speed indicator		●

## FEATURES LIST

ERGONOMICS	STD	OPT
Aftermarket cabin kit ready dash	●	
5" (127mm) color touchscreen display	●	
86.3" (2193mm) overhead guard – grid style	●	
90.4" (2297mm) overhead guard – grid style		●
Cab panels – front and top		●
Steel Modular Cab with PVC doors		●
Cab – full steel		●
Heater and defroster – 1500 watts with digital thermostat		●
Air conditioning		●
LED dome/reading light		●
Mirror – single panoramic – overhead guard mounted		●
Mirrors – dual side view – mounted on the left and right side of overhead guard		●
12-volt auxiliary power supply		●
Fire extinguisher – 2.5 lb. dry chemical		●
Rear drive handle with horn button		●
Full suspension vinyl seat – value	●	
Full suspension vinyl seat		●
Full suspension cloth seat		●
Air ride full suspension vinyl seat		●
Air ride full suspension cloth seat		●
Full suspension vinyl seat – low profile		●
Non-suspension vinyl seat		●
Non-suspension cloth seat		●
Seat belt – black – no-cinch with ELR (Emergency Locking Retractor)	●	
Seat belt – high-visibility (red) – no-cinch with ELR (Emergency Locking Retractor)		●
Seat belt – high-visibility (red) – no-cinch with ELR (Emergency Locking Retractor) and start interlock		●

OPERATION	STD	OPT
Key switch start	●	
Keyless with operator password		●
Keyless toggle start with remote auxiliary key switch		●
Keyless toggle start with auxiliary key switch		●
Traction speed limiter pre-set to (2, 4, 5, 6, 8)mph		●
Front mud guards – forward of drive tires – protects attachment and load from drive tire debris		●
Dynamic Stability System	●	
Speed reduction in corners		●
Yale Reliant™		●
SUPPLEMENTAL	STD	OPT
24 Months / 4,000 hours manufacturer's warranty	●	
36 Months / 6,000 hours extended warranty		●
Extended protection plans		●
Literature package	●	
UL classification Type "E"	●	
UL classification Type "EE" – includes UL label		●
Yale Vision™ Telemetry	●	

† NOTE: Performance specifications/ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale® dealer.

†† All values are nominal values and are subject to tolerances. For further information on this dimension, please contact your local Yale® dealer.

††† Values may vary with alternative configurations.

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. See truck dimensions for batteries chart.

RL = Rated Load, NL = No Load

# About Yale



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

## MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government


Health & pharma

Home centers & durables

Retail & e-commerce

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Trucks may be shown with optional equipment and/or features not available in all regions. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale® Dealer if any of the information shown is critical to your application.

CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.