

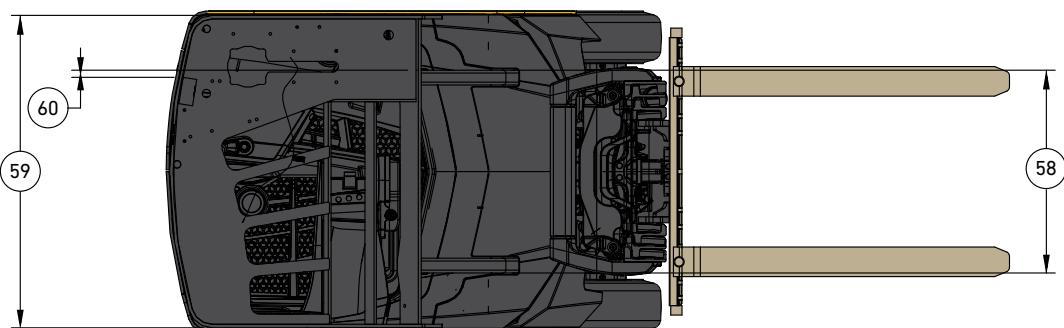


# ESC 30-40N

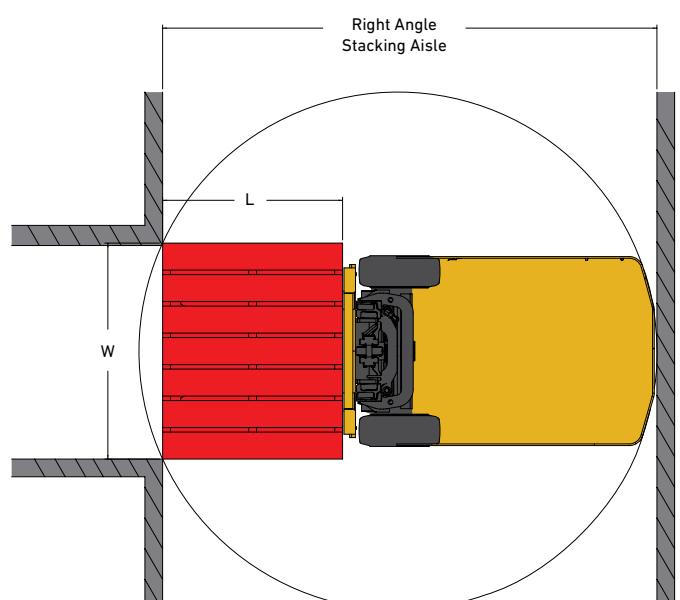
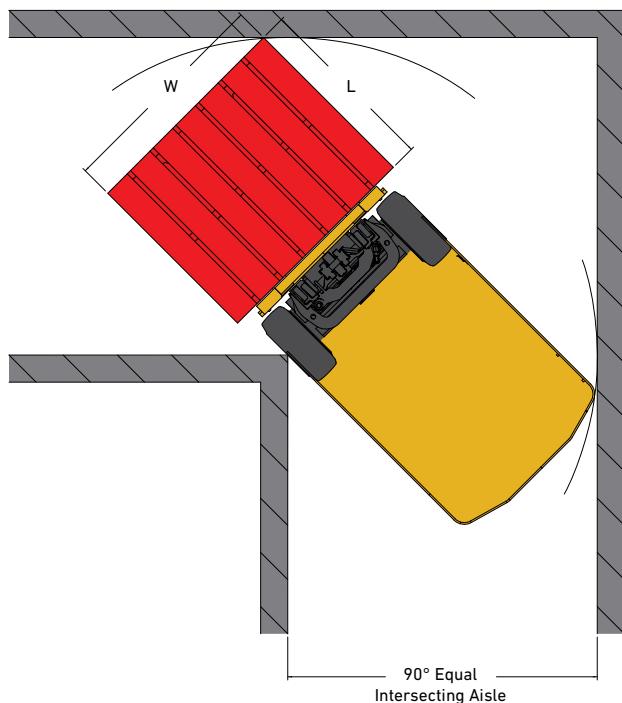
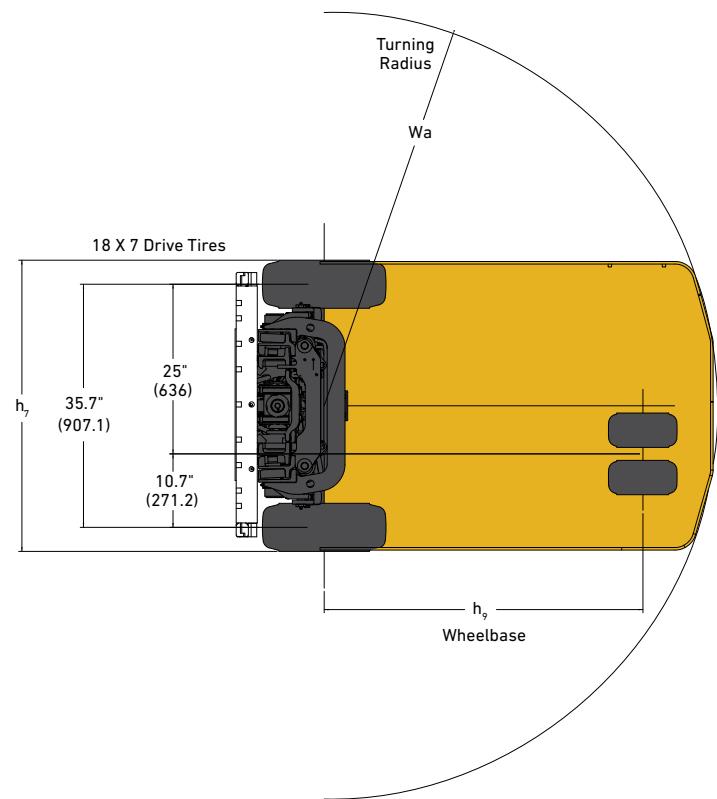
SPEC SHEET

3-wheel stand-up electric  
counterbalanced forklift

3,000-4,000 lbs.



TRUCK DIMENSIONS - ESC30-40N



## GENERAL SPECIFICATIONS – ESC30N

GENERAL	1 Manufacturer	Yale		
	2 Model designation	ESC30N	ESC30N	
	3 Power: battery, diesel, LPG, electric mains		Battery	
	4 Operation: manual, pedestrian, stand, sit, seat		Stand	
	5 Load capacity/rated load (max battery)	lb	3000	
	6 Load center	in (mm)	24 (609)	
	7 Unladen weight (no battery)	lb (kg)	6800 (3084)	7020 (3184)
	8 Axle loading, laden drive/steer (max battery)	lb (kg)	9742 / 2156 (4419 / 978)	10065 / 2252 (4565 / 1021)
	9 Axle loading, unladen drive/steer (max battery)	lb (kg)	3731 / 5166 (1692 / 2343)	4199 / 5118 (1904 / 2321)
TIRES	10 Tires: P=pneumatic, C=cushion, SC=super cushion, PSS=pneumatic shape solid		C	
	11 Tires size: drive	(in)	18x7x12-1/8	
	12 Tires size: steer	(in)	10x5x6-1/2	
	13 Number of wheels, front/rear (x = driven)		2x / 2	
DIMENSIONS	14 Overall collapsed height of mast, lowered (from ground)	h1	See Mast Table	
	15 Free lift (carriage travel)	h2	See Mast Table	
	16 Max lift height (MFH)	h3	See Mast Table	
	17 Height of mast (extended – highest point)	h4	See Mast Table	
	18 Overhead guard height – standard / optional	h5	in (mm)	88" (2237) / 83" (2108)
	19 OHG inside clearance (floor to underside of OHG) standard OHG – Std / optional OHG – Opt	h6	in (mm)	Std 88" – 78.5" (1995) Opt 83" – 73.4" (1865)
	20 Overall length (1067mm forks) without outr with integral sideshift Δ	l1	in (mm)	105.7" (2686) w/o ISS 107" (2718) w/ISS
	21 Length to face of forks (head length) without outr with integral sideshift Δ	l2	in (mm)	63.7" (1619) w/o ISS 65" (1651) w/ISS
	22	Drive axle to face of forks, w/o ISS		2-Stg: 13.3" (337.6), 14.6" (370) w/ISS
	22a	Load distance – LD (Add 1.28" (32.4mm) for 2/3-stage masts w/ISS)	LD	3-Stg: 13.3" (338), 14.6" (370) w/ISS
	22b	(Add 1.09" (27.8mm) for 4-stage mast w/ISS)		4-Stg: 17.5" (445), 18.6" (473) w/ISS
	23 Overall chassis width	h7	in (mm)	42.7" (1085)
	24 Fork dimensions		in (mm)	1.5 x 4 x 42 (38 x 102 x 1067)
	25 Fork adjustment range (outside measurement)	h8	in (mm)	8" – 33" (203 – 838)
	26 Tilt range fwd/bkwd standard (optional)		Deg	5F / 5B (10F / 5B)
	27 Wheelbase	h9	in (mm)	40 (1014)
	28 Ground clearance, laden, below mast	m1	in (mm)	3.5 (90)
	29 Ground clearance at center of wheelbase	m2	in (mm)	4 (102)
	30 Grade clearance	%		44% (38% worn tire)
	31 Gradeability (operating grade)	%		42% (36% worn tire)
	32 RAS aisle width with pallets 48" long (parallel to forks), zero clearance (turning radius + load distance + load length) w/integral sideshift Δ	Ast	in (mm)	113.9 (2893)
	33 Equal aisle, 90° intersecting aisle*		in (mm)	68.6 (1743)
	34 Turning radius Δ	Wa	in (mm)	51.3 (1304)
	35 Ground to top of frame side panel (vert)	h10	in (mm)	55 (1396)
	36 Ground to battery compartment floor (top of rollers)	h11	in (mm)	7.5 (190)
	37 Battery compartment height (from top of rollers)	h12	in (mm)	31.1 (790)
	38 Battery compartment width (across truck)	h13	in (mm)	38.9 (988)
	39 Battery compartment length (fore/aft)	h14	in (mm)	14.25 (362)
	40 Step height	h15	in (mm)	9.3 (237)
	41 Ground to top of forks	h16	in (mm)	1.5 (40)
PERFORMANCE	42 Max travel speed empty / laden (extended shift: OFF, forks trailing)		mph (km/h)	8.0 / 8.0 (12.9/12.9)
	43 Max travel speed empty / laden (extended shift: OFF, forks fwd)		mph (km/h)	8.0 / 8.0 (12.9/12.9)
	44 Lifting speed empty / laden	Standard – Std High performance – HP	ft/min (m/s)	84/63 (0.43/0.32) – Std 118/77 (0.6/0.39) – HP
	45 Lowering speed empty / laden		ft/min (m/s)	98 / 102 (0.5/0.52)
	46 Sound level (drive by)	(dB)		63
	47 Hydraulic system operating pressure	psi (bar)		2600 (179)
	48 Park brake type			Spring apply (electric release)
MOTOR & BATTERY	49 Service brake type			Foot – pedal (regen)
	50 Drive motor, rating (60 min rating)	hp (kW)		6 (4.5)
	51 Lifting motor, rating (5 min rating)	hp (kW)		17.7 (13.2) – 15min
	52 Battery voltage	V		36V
	53 Battery – type			Lead acid   Thin plate pure lead◊   Lithium-ion◊
OTHER	54 Battery weight (min / max)	lb (kg)	1700-2100 (771-953)	1980-2300 (898-1043)
	55 Battery dimensions (W x H x L)	in	38.56" W x 13.4" L x 31" H	38.56" W x 15.6" L x 31" H
	56 3rd function flow/pressure	gpm / psi	12.0 – 26.0 L/min (3.2–6.9 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)	
	57 4th function flow/pressure	gpm / psi	12.0 – 36.5 L/min (3.2–9.6 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)	
	58 Front leg width	in (mm)	27 (685)	
	59 Canopy width	in (mm)	41.6 (1056)	
	60 Rear leg offset**	in (mm)	1.25 (32)	

Specifications, unless otherwise listed, are for a standard truck without optional equipment.

◊ Optional with Yale Power Key

RL = rated load, NL = no load

\* Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

Δ External mounted operator sensing system egress option will increase length of truck by 1.9" (48mm)

RAS = Turn radius + load distance + load length + clearance

\*\* Rear leg dimension does not include optional equipment such as work lights, visible alarms or Telemetry, which may reduce clearance.

## GENERAL SPECIFICATIONS – ESC30N-ESC35N

GENERAL	1 Manufacturer	Yale				
	2 Model designation	ESC30N	ESC35N			
	3 Power: battery, diesel, LPG, electric mains	Electric/36 volts				
	4 Operation: manual, pedestrian, stand, sit, seat	Stand				
	5 Load capacity/rated load (max battery)	lb	3000	3500		
	6 Load center	in (mm)	24 (609)			
	7 Unladen weight (no battery)	lb (kg)	6470 (2935)	6990 (3171)		
	8 Axle loading, laden drive/steer (max battery)	lb (kg)	10098 / 2064 (4580 / 936)	11063 / 2124 (5018 / 963)		
	9 Axle loading, unladen drive/steer (max battery)	lb (kg)	4363 / 4800 (1979 / 2177)	4371 / 5316 (1983 / 2411)		
TIRES	10 Tires: P=pneumatic, C=cushion, SC=super cushion, PSS=pneumatic shape solid	C				
	11 Tire size: drive	(in)	18x7x12-1/8			
	12 Tire size: steer	(in)	10x5x6-1/2			
	13 Number of wheels, front/rear (x = driven)		2x / 2			
DIMENSIONS	14 Overall collapsed height of mast, lowered (from ground)	h1	See Mast Table			
	15 Free lift (carriage travel)	h2	See Mast Table			
	16 Max lift height (MFH)	h3	See Mast Table			
	17 Height of mast (extended – highest point)	h4	See Mast Table			
	18 Overhead guard height – standard / optional	h5	in (mm)	88" (2237) / 83" (2108)		
	19 OHG inside clearance (floor to underside of OHG) standard OHG – Std / Optional OHG – Opt	h6	in (mm)	Std 88" – 78.5" (1995) Opt 83" – 73.4" (1865)		
	20 Overall length (1067mm forks) without outr with integral sideshift Δ	l1	in (mm)	109.8" (2788) w/o ISS 111.0" (2820) w/ISS		
	21 Length to face of forks (head length) without outr with integral sideshift Δ	l2	in (mm)	67.8" (1721) w/o ISS 69.0" (1753) w/ISS		
	22 Drive axle to face of forks, w/o ISS	LD	in (mm)	2-Stg: 13.3" (337.6), 14.6" (370) w/ISS		
	22a Load distance – LD (Add 1.28" (32.4mm) for 2/3-stage masts w/ISS)			3-Stg: 13.3" (337.6), 14.6" (370) w/ISS		
	22b (Add 1.09" (27.8mm) for 4-stage mast w/ISS)			4-Stg: 17.5" (445), 18.6" (473) w/ISS		
	23 Overall chassis width	h7	in (mm)	42.7" (1085)		
	24 Fork dimensions	in (mm)				
	25 Fork adjustment range (outside measurement)	h8	in (mm)	8" - 33" (203 – 838)		
	26 Tilt range fwd/bkwd standard (optional)	Deg				
	27 Wheelbase	h9	in (mm)	43.9 (1116)		
	28 Ground clearance, laden, below mast	m1	in (mm)	3.5 (90)		
	29 Ground clearance at center of wheelbase	m2	in (mm)	4 (102)		
	30 Grade clearance	%				
	31 Gradeability (operating grade)	%				
	32 RAS aisle width with pallets 48" long (parallel to forks), zero clearance (turning radius + load distance + load length) w/integral sideshift Δ	As	in (mm)	117.7 (2990)		
	33 Equal aisle, 90° intersecting aisle*Δ	in (mm)				
	34 Turning radius Δ	Wa	in (mm)	69.6 (1768)   69.6 (1768)		
	35 Ground to top of frame side panel (vert)	h10	in (mm)	55.1 (1399)   55 (1396)		
	36 Ground to battery compartment floor (top of rollers)	h11	in (mm)	7.5 (190)		
	37 Battery compartment height (from top of rollers)	h12	in (mm)	31.1 (790)		
	38 Battery compartment width (across truck)	h13	in (mm)	38.9 (988)		
	39 Battery compartment length (fore/aft)	h14	in (mm)	18.3 (464)		
	40 Step height	h15	in (mm)	9.3 (237)		
	41 Ground to top of forks	h16	in (mm)	1.5 (40)		
PERFORMANCE	42 Max travel speed empty / laden (extended shift: OFF, forks trailing)	mph (km/h)				
	43 Max travel speed empty / laden (extended Shift: OFF, forks fwd)	mph (km/h)				
	44 Lifting speed empty / laden	Standard – Std High performance – HP	ft/min (m/s)	84/63 (0.43/0.32) – Std		
	44a			118/77 (0.6/0.39) – HP		
	45 Lowering speed empty / laden	ft/min (m/s)				
	46 Sound level (drive by)	(dB)				
	47 Hydraulic system operating pressure	psi (bar)				
	48 Park brake type	Spring apply (electric release)				
	49 Service brake type	Foot – pedal (regen)				
MOTOR & BATTERY	50 Drive motor, rating (60 min rating)	hp (kW)	6 (4.5)			
	51 Lifting motor, rating (5 min rating)	hp (kW)	17.7 (13.2) – 15min			
	52 Battery voltage	V	36V			
	53 Battery – type	Lead acid   Thin plate pure lead◊   Lithium-ion◊				
	54 Battery weight (min / max)	lb (kg)	2300-2700 (1043-1225)			
OTHER	55 Battery dimensions (W x H x L)	in	38.56" W x 17.9" L x 31" H			
	56 3rd function flow/pressure	gpm / psi	12.0 – 26.0 L/min (3.2–6.9 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)			
	57 4th function flow/pressure	gpm / psi	12.0 – 36.5 L/min (3.2–9.6 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)			
	58 Front leg width	in (mm)	27 (685)			
	59 Canopy width	in (mm)	41.6 (1056)			
	60 Rear leg offset**	in (mm)	1.25 (32)			

Specifications, unless otherwise listed, are for a standard truck without optional equipment.

◊ Optional with Yale Power Key

RL = rated load, NL = no load

\* Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

Δ External mounted operator sensing system egress option will increase length of truck by 1.9" (48mm)

RAS = Turn radius + load distance + load length + clearance

\*\* Rear leg dimension does not include optional equipment such as work lights, visible alarms or Telemetry, which may reduce clearance.

## GENERAL SPECIFICATIONS – ESC35N-ESC40N

GENERAL	1	Manufacturer	Yale		
	2	Model designation	ESC40N	ESC35N	ESC40N
	3	Power: battery, diesel, LPG, electric mains	Battery		
	4	Operation: manual, pedestrian, stand, sit, seat	Stand		
TIRES	5	Load capacity/Rated Load (max battery)	lb	4000	3500
	6	Load center	in (mm)	24 (609)	
	7	Unladen weight (no battery)	lb (kg)	7040 (3193)	6780 (3075)
	8	Axle loading, laden drive/steer (max battery)	lb (kg)	11794 / 1940 (5350 / 880)	11156 / 2168 (5060 / 983)
	9	Axle loading, unladen drive/steer (max battery)	lb (kg)	4147 / 5588 (1881 / 2535)	4635 / 5189 (2102 / 2354)
	10	Tires: P=pneumatic, C=cushion, SC=super cushion, PSS=pneumatic shape solid	C		
	11	Tire size: drive	(in)	18x7x12-1/8	
	12	Tire size: steer	(in)	10x5x6-1/2	
	13	Number of wheels, front/rear (x = driven)		2x / 2	
DIMENSIONS	14	Overall collapsed height of mast, lowered (from ground)	h1	See Mast Table	
	15	Free lift (carriage travel)	h2	See Mast Table	
	16	Max lift height (MFH)	h3	See Mast Table	
	17	Height of mast (extended – highest point)	h4	See Mast Table	
	18	Overhead guard height – standard / optional	h5	in (mm)	88" (2237) / 83" (2108)
	19	OHG inside clearance (floor to underside of OHG) standard OHG – Std / optional OHG – Opt	h6	in (mm)	Std 88" – 78.5" (1995) Opt 83" – 73.4" (1865)
	20	Overall length (1067mm forks) without our with integral sideshift $\Delta$	l1	in (mm)	112.2" (2851) w/o ISS 113.5" (2883) w/ISS
	21	Length to face of forks (head length) without our with integral sideshift $\Delta$	l2	in (mm)	70.2" (1784) w/o ISS 71.5" (1816) w/ISS
	22	Drive axle to face of forks, w/o ISS	LD	in (mm)	2-Stg: 13.3" (337.6), 14.6" (370) w/ISS
	22a	Load distance – LD (Add 1.28" (32.4mm) for 2/3-stage masts w/ISS)			3-Stg: 13.3" (337.6), 14.6" (370) w/ISS
	22b	(Add 1.09" (27.8mm) for 4-stage mast w/ISS)			4-Stg: 17.5" (445), 18.6" (473) w/ISS
	23	Overall chassis width	h7	in (mm)	42.7" (1085)
	24	Fork dimensions		in (mm)	1.5 x 4 x 42 (38 x 102 x 1067)
	25	Fork adjustment range (outside measurement)	h8	in (mm)	8" – 33" (203 – 838)
	26	Tilt range fwd/bkwd standard (optional)		Deg	5F / 5B (10F / 5B)
	27	Wheelbase	h9	in (mm)	46.4 (1179)
	28	Ground clearance, laden, below mast	m1	in (mm)	3.5 (90)
	29	Ground clearance at center of wheelbase	m2	in (mm)	4 (102)
	30	Grade clearance		%	41% (36% worn tire)
	31	Gradeability (operating grade)		%	35.8% (34.6% worn tire)
	32	RAS Aisle width with pallets 48" long (parallel to forks), zero clearance (turning radius + load distance + load length) w/integral sideshift $\Delta$	Ast	in (mm)	35.8% (34.6% worn tire)
	33	Equal aisle, 90° intersecting aisle* $\Delta$		in (mm)	120 (3048)
	34	Turning radius $\Delta$	Wa	in (mm)	70.4 (1788)
	35	Ground to top of frame side panel (vert)	h10	in (mm)	57.4 (1458)
	36	Ground to battery compartment floor (top of rollers)	h11	in (mm)	55 (1396)
	37	Battery compartment height (from top of rollers)	h12	in (mm)	7.5 (190)
	38	Battery compartment width (across truck)	h13	in (mm)	31.1 (790)
	39	Battery compartment Length (fore/aft)	h14	in (mm)	38.9 (988)
	40	Step height	h15	in (mm)	20.8 (527)
	41	Ground to top of forks	h16	in (mm)	(w/ 3" spacer for 18" battery)
PERFORMANCE	42	Max travel speed empty / laden (extended shift: OFF, forks trailing)		mph (km/h)	9.3 (237)
	43	Max travel speed empty / laden (extended shift: OFF, forks fwd)		mph (km/h)	8.0 / 8.0 (12.9/12.9)
	44	Lifting speed empty / laden	Standard – Std High performance – HP	ft/min (m/s)	8.0 / 8.0 (12.9/12.9)
	44a				84/63 (0.43/0.32) – Std 118/77 (0.6/0.39) – HP
	45	Lowering speed empty / laden		ft/min (m/s)	98 / 102 (0.5/0.52)
	46	Sound level		(dB)	63
	47	Hydraulic system operating pressure		psi (bar)	2600 (179)
	48	Park brake type			Spring apply (electric release)
	49	Service brake type			Foot – pedal (regen)
MOTOR & BATTERY	50	Drive motor, rating (60 min rating)		hp (kW)	6 (4.5)
	51	Lifting motor, rating (5 min rating)		hp (kW)	17.7 (13.2) – 15min
	52	Battery voltage		V	36V
	53	Battery – type			Lead acid   Thin plate pure lead◊   Lithium-ion◊
	54	Battery weight (min / max)	lb (kg)	2300-2700 (1043-1225)	2500-3050 (1152-1383)
OTHER	55	Battery dimensions (W x H x L)	in	38.56" W x 17.9" L x 31" H	38.56" W x 20.4" L x 31" H
	56	3rd function flow/pressure		gpm / psi	12.0–26.0 L/min (3.2–6.9 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)
	57	4th function flow/pressure		gpm / psi	12.0–36.5 L/min (3.2–9.6 gal/min), 152 bar (2200 psi) – 206 bar (3000 psi)
	58	Front leg width	in (mm)		27 (685)
	59	Canopy width	in (mm)		41.6 (1056)
	60	Rear leg offset**	in (mm)		1.25 (32)

Specifications, unless otherwise listed, are for a standard truck without optional equipment.

◊ Optional with Yale Power Key

RL = rated load, NL = no load

\* Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

◊ External mounted operator sensing system egress option will increase length of truck by 1.9" (48mm)

RAS = Turn radius + load distance + load length + clearance

\*\* Rear leg dimension does not include optional equipment such as work lights, visible alarms or Telemetry, which may reduce clearance.

### MAST DIMENSIONS - ESC30-40N

Max fork height (T.O.F.) in. (mm)	Overall lowered height in. (mm)	Extended height w/LBR in. (mm)	Extended height w/o LBR in. (mm)	Free lift height w/LBR in. (mm)	Free lift height w/o LBR in. (mm)
<b>2-STAGE LIMITED FREE LIFT (LFL) MAST</b>					
132 (3360)	86 (2186)	181 (4597)	152 (3855)	0 (0)	0 (0)
140 (3560)	90 (2286)	189 (4797)	160 (4055)	0 (0)	0 (0)
<b>2-STAGE FULL FREE LIFT (LFL) MAST TRUCKERS MAST</b>					
79 (2026)	61 (1536)	129 (3263)	100 (2521)	0 (0)	0 (0)
<b>2-STAGE FULL FREE LIFT (FFL)</b>					
133 (3390)	86 (2186)	183 (4627)	153 (3885)	39 (998)	68 (1730)
141 (3590)	90 (2286)	191 (4827)	161 (4085)	43 (1098)	72 (1830)
<b>3-STAGE (FFL) MAST</b>					
187 (4750)	82 (2086)	236 (5987)	207 (5245)	35 (898)	64 (1630)
192 (4900)	84 (2136)	242 (6137)	213 (5395)	37 (948)	66 (1680)
198 (5050)	88 (2236)	248 (6287)	219 (5545)	41 (1048)	70 (1780)
222 (5650)	98 (2486)	272 (6887)	242 (6145)	51 (1298)	79 (2030)
228 (5800)	100 (2536)	278 (7037)	248 (6295)	53 (1348)	81 (2080)
246 (6250)	108 (2736)	295 (7487)	266 (6745)	60 (1548)	89 (2280)
<b>4-STAGE (FFL) MAST</b>					
240 (6098)*	84 (2136)*	289 (7335)*	260 (6593)*	39 (998)*	68 (1730)*
264 (6709)*	92 (2336)*	313 (7946)*	284 (7204)*	47 (1198)*	75 (1930)*
276 (7010)†	96 (2436)†	325 (8247)†	296 (7505)†	51 (1298)†	79 (2030)†
288 (7314)†	100 (2536)†	337 (8551)†	308 (7809)†	55 (1398)†	83 (2130)†

\* Available on 3000 / 3500 / 4000 lb trucks with 18.3" or 20.8" battery compartment only

† Available on 3500 / 4000 lb trucks with 20.8" battery compartment only

### BATTERY & COMPARTMENT SPECIFICATIONS – ESC30-40N

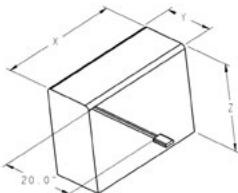
Truck model	Compartment dim.			Battery dim - max			Volts	No. of cells	Plates per cell	Max capacity	Weight	
	Width	Length	Height	"X"	"Y"	"Z"				6 Hr rate	Min	Max
	in. (mm)				in. (mm)					amp hr (kwh)	lb. (kg)	
ESC30N standard 14.25" compartment	38.9 (988)	14.25 (362)	31.1 (790)	38.5 (978)	13.9 (352)	31 (787)	36	18	11	775 (27.1)	1700 (771)	2100 (953)
ESC30N standard 16.26" compartment	38.9 (988)	16.26 (413)	31.1 (790)	38.5 (978)	15.9 (403)	31 (787)	36	18	13	930 (32.5)	1980 (898)	2300 (1043)
ESC30N standard 18.3" compartment	38.9 (988)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)
ESC35N standard 18.3" compartment	38.9 (988)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)
ESC35N optional 20.8" compartment	38.9 (988)	20.8 (528)	31.1 (790)	38.5 (978)	20.4 (518)	31 (787)	36	18	17	1240 (43.3)	2500 (1152)	3050 (1383)
ESC40N standard 20.8" compartment	38.9 (988)	20.8 (528)	31.1 (790)	38.5 (978)	20.4 (518)	31 (787)	36	18	17	1240 (43.3)	2695 (1222)	3050 (1383)
ESC40N optional 18.3" compartment*	38.9 (988)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)

Battery compartment length is measured from front to rear.  
Battery compartment width is measured across the truck.

Battery connector: 350 Amp / 36 Volt.

Battery lead: Length 20" (508 mm) "B" position.

\* 20.8" battery compartment with a 3.0" spacer to accommodate an 18" battery.



## FEATURES LIST

PERFORMANCE	STD	OPT
AC transistor controlled hydraulics	●	
36-volt (includes 350 amp gray battery connector)	●	
4 independent fully programmable performance modes – Programmable traction speed and acceleration, lift and lower speeds	●	
Dynamic Stability System (DSS)		●
AC transistor controlled hydraulics – high performance lift		●
Return to set tilt		●
DRIVE	STD	OPT
Park brake (spring applied, electrically released)	●	
Drive tires – 18" x 7" x 12.1" – smooth rubber black (67 durometer) (ESC30N-ESC35N)	●	
Drive tires – 18" x 7" x 12.1" – polyurethane (92 durometer) (ESC40N)	●	
Steer tires – 10" x 5" x 6.5" – polyurethane – smooth (92 durometer)	●	
Various drive & steer tire types		●
LIFT	STD	OPT
2 stage – limited free lift mast	●	
38.5" (977mm) wide – class II – hook type carriage	●	
48" high load backrest extension	●	
Tilt (5° fwd, 5° back)	●	
2 stage – full free lift mast		●
3 stage – full free lift mast		●
4 stage – full free lift mast		●
Integral sideshift		●
Integral sideshifting fork positioner		●
36" high load backrest extension		●
Tilt (10° fwd, 5° back)		●
Reduced speed tilt		●
Tilt interlock		●
Hydraulic attachment extension tubes with and without quick disconnect fittings		●
Mast lift limit without override		●
Mast lift limit with override		●
Load weight display		●
Fork height display		●
Hydraulic accumulator (SPED)		●
Various load backrest heights (SPED)		●

HANDLING	STD	OPT
Forks: 1.5" x 4.0" (38 mm x 102 mm) 42"(1067 mm) class II, hook type – standard taper	●	
Multifunction control handle with simultaneous hydraulic functions (fully proportional)	●	
Various fork lengths and types (polished and full bottom taper)		●
ERGONOMICS	STD	OPT
Sidestance operator compartment with fixed armrest and multifunction control handle	●	
Steer system – hydraulic with fixed steer tiller position	●	
Yale Smart Operator sensing system	●	
Low profile anti-fatigue floor mat	●	
Operator floor – fixed cushion	●	
Low step height	●	
Padded operator compartment	●	
Knee and hip pads		●
Operator floor – fixed ultra cushion		●
Yale Smart Ride® floor (full suspension floor)		●
Sidestance operator compartment with adjustable armrest and multifunction control handle		●
Operator overhead fan		●
Dual LED head lights (mast mounted or overhead guard mounted)		●
LED work lights (upward-facing – height activated), mast-mounted		●
Rear LED worklight		●
Operator desktop LED light		●
OPERATION	STD	OPT
Standard construction	●	
UL Classification 'E'	●	
Sidestance operator controls	●	
Key switch start	●	
Automotive steering	●	
Static strap	●	
Electronic horn	●	
Sealed battery rollers	●	
88" drive in rack overhead guard	●	
Power disconnect button	●	
2.8" touchscreen display	●	
83" drive in rack overhead guard		●

## FEATURES LIST

OPERATION (CONTINUED)	STD	OPT
Keyless start		●
7" touchscreen display		●
Battery gate interlock		●
Washdown package for food		●
UL Classification "EE"		●
SubZero freezer construction (operating temperatures -40°F to 120°F) with rubber floormat		●
Heated multifunction control handle		●
Rotary joystick		●
Audible back-up and motion alarms (various functions)		●
Visible amber strobe light – continuous activated (Various Functions)		●
Blue LED spotlight, front/rear and/or continuous/directionally activated		●
Red line zone lights – left/right side and/or rear – continuous operation		●
Awareness lights – signature lights		●
Automatic light sensor		●
Fire extinguisher		●
RF terminal bracket		●
RF handheld scanner holder		●
Work accessories mount		●
Clip board		●
Dual USB charger port		●
12V aux power receptacle		●
12V power supply: key-activated		●
12V power supply: continuous power		●
Truck voltage pwr supply: key-activated		●
Truck voltage pwr supply: continuous power		●
Storage utility tray		●
OSS externally-mounted egress sensor		●
Less OHG <sup>1</sup>		●
Rear operator compartment door (SPED) <sup>2</sup>		●
Yale Vision™ <sup>3</sup>	●	
Yale Reliant™		●
Pedestrian awareness camera (SPED)		●

ENERGY SYSTEM	STD	OPT
Lead acid	●	
Power Key™		●
SUPPLEMENTAL	STD	OPT
12 month / unlimited hours full truck warranty	●	
36 month / 6,000 hour powertrain warranty	●	
Lifetime frame warranty	●	
Operating manual	●	
Parts manuals		●

<sup>1</sup> Requires dealer/customer verification confirming that the application meets ANSI/ITSDF B56.1 Section 4.5.1.4. A truck without an overhead guard cannot be used where there is risk of stacked loads falling on the driver. Contact Applications Engineering for additional details. NOTE: Special Chassis mounted headlights, work light and strobe light options are available for trucks that are not fitted with an overhead guard.

<sup>2</sup> Doors are intended to protect the operator from objects that may enter the operator's compartment but they may also slow the operator's egress in emergency situations. A review of the forklift's intended environment should be conducted before selecting a door as optional equipment.

<sup>3</sup> Level 1 Telemetry is standard on the units with 84 months Communication Fee included, Level 2 and Level 3 are Optional, including additional Communication Timing Limits.

# About Yale®



Yale Lift Truck Technologies is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 1 to 16 tonne and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

## 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.