



# ERP 300-360EFS/EF

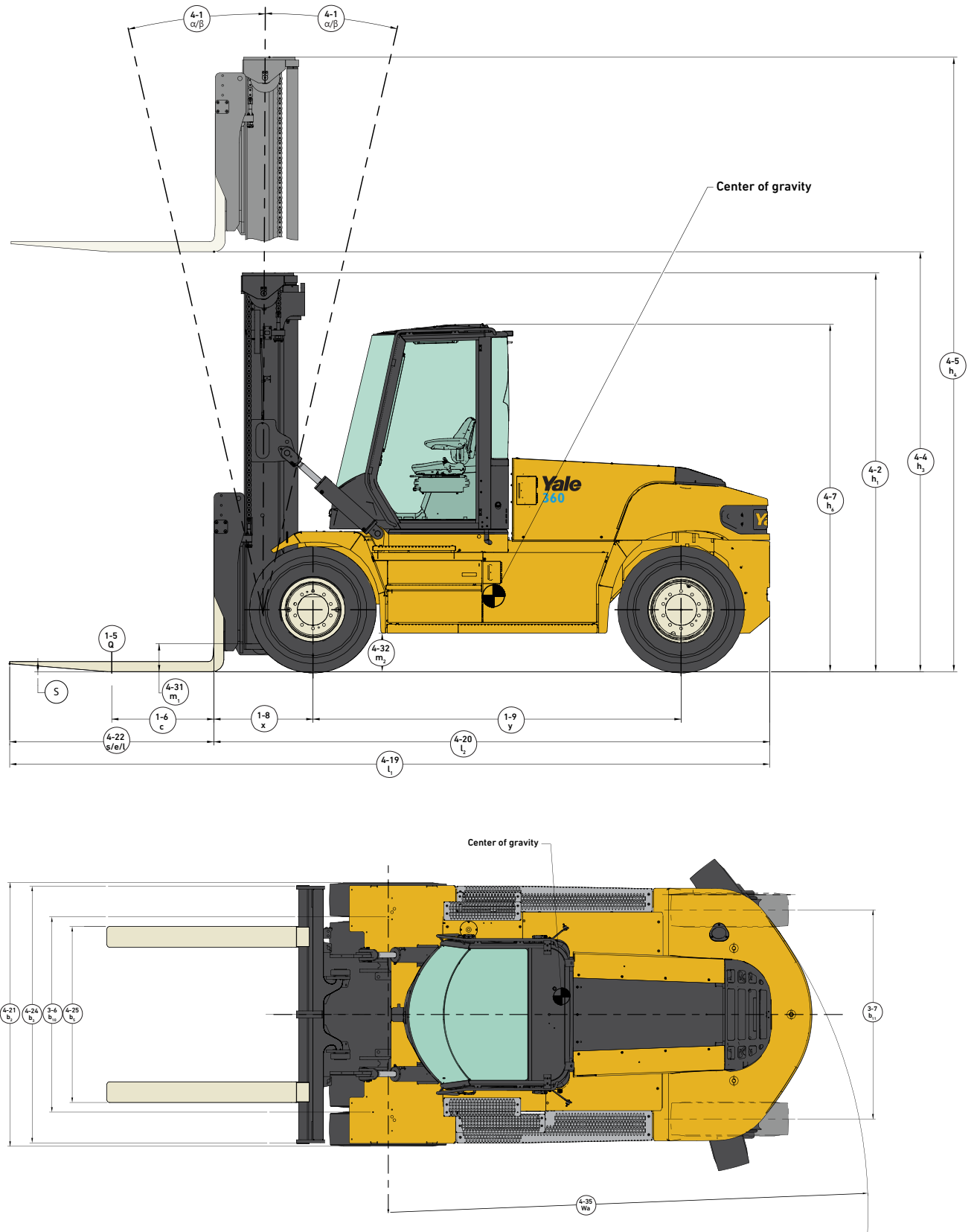
SPEC SHEET

High capacity pneumatic  
tire integrated lithium-ion  
forklift

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30,000-36,000 lbs.

# TRUCK DIMENSIONS



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

ERP300EFS GENERAL SPECIFICATIONS

						Yale ERP300EFS Electric Seated				
GENERAL	1-1	Manufacturer								
	1-2	Model designation								
	1-3	Powertrain / drivetrain								
	1-4	Operator type								
	1-5	Rated load capacity	lb	kg)(	Q	30,000			13,608	
	1-6	Load center	in	mm	c <sub>1</sub>	24			610	
	1-8	Load distance	in	mm	x	35.0			889	
	1-9	Wheelbase	in	mm	y	114			2,900	
	WEIGHTS	2-1	Total truck weight without load <sup>(1)</sup>	lb	kg		41,046			18,618
2-2		Axle loading with load, front / rear	lb	kg		64,571	6,473	29,289	2,936	
2-3		Axle loading without load, front / rear	lb	kg		19,068	21,976	8,649	9,968	
WHEELS	3-1	Tire type	Type	Type					Pneumatic	
	3-2	Tire size, front							12.00-20 20PR	
	3-3	Tire size, rear							12.00-20 20PR	
	3-5	Number of tires, front / rear ( X driven )	#	#					x4/2	
	3-6	Tread width, front	in	mm	b <sub>10</sub>	72.5			1,842	
	3-7	Tread width, rear	in	mm	b <sub>11</sub>	79.4			2,018	
	DIMENSIONS	4-1	Mast tilt, forward / back	°	°	α/β				15°F / 12°B
4-2		Height of mast lowered	in	mm	h <sub>1</sub>	141			3,568	
4-3		Freelift	in	mm	h <sub>2</sub>	0			0	
4-4		Lift height (top of fork)	in	mm	h <sub>3</sub>	147			3,750	
4-4-1		Lift height (bottom of fork)	in	mm		144			3,660	
4-5		Height, extended	in	mm	h <sub>4</sub>	213			5,398	
4-7		Height to top of operator compartment (open cab)	in	mm	h <sub>6</sub>	121			3,083	
4-7-1		Height, top of operator comp (closed cab)	in	mm	h <sub>6</sub>	122			3,110	
4-7-2		Height, top of operator comp (closed cab w/ airco)	in	mm	h <sub>6</sub>	122			3,110	
4-7-3		Height, top of operator comp (closed cab w/ strobe light)	in	mm	h <sub>6</sub>	126			3,205	
4-7-4		Height, top of operator comp (closed cab w/ work lights)	in	mm	h <sub>6</sub>	127			3,229	
4-7-5		Height, top of operator comp (closed cab w/ airco & strobe)	in	mm		127			3,235	
4-8		Seat height to seat point index (SIP)	in	mm	h <sub>2</sub>	75			1,903	
4-12		Tow coupler height	in	mm		27			689	
4-19		Overall length	in	mm	l <sub>1</sub>	258			6,544	
4-20		Length to load face	in	mm	l <sub>2</sub>	186			4,714	
4-21		Overall width of truck	in	mm	b <sub>2</sub>	98			2,490	
4-22		Fork dimension	in	mm	s/e/l	3.5 / 8 / 72			90 / 200 / 1,830	
4-23		Fork carriage type	Type	Type					Standard pin type carriage	
4-24		Carriage width	in	mm	b <sub>3</sub>	98.3			2,496	
4-25-1		Fork spread, min (in-in)	in	mm	b <sub>5</sub>	5.3			134	
4-25-2		Fork spread, max (out-out)	in	mm	b <sub>5</sub>	92.8			2,356	
4-30		Sideshift	in	mm	b <sub>8</sub>	0			0	
4-31		Ground clearance, under mast with load	in	mm	m <sub>1</sub>	9.6			245	
4-32		Ground clearance, center of wheelbase	in	mm	m <sub>2</sub>	13.4			341	
4-34		Minimum aisle width (add load length & clearance)	in	mm	Ast	200			5,069	
4-35		Outside turning radius	in	mm	Wa	165			4,180	
4-36		Inner turning radius	in	mm		57.2			1,454	
<b>SINGLE POWERTAIN</b>										
PERFORMANCE		5-1	Travel speed, with / without load <sup>(1)</sup>	mph	km/h		15	15	25	25
		5-2	Lifting speed, with / without load	ft/min	m/s		71	79	0.36	0.40
		5-3	Lowering speed, with / without load	ft/min	m/s		106	94	0.54	0.48
		5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	lb	kN		5,300	6,500	30	33
		5-6	Drawbar pull - max, with / without load <sup>(3)</sup>	lb	kN		12,600	13,700	63	65
		5-7	Gradeability - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	%	%		10			18
		5-8	Gradeability - max, with / without load <sup>(2)</sup>	%	%		20			31
	ELECTRIC	6-1	Drive motor rating, S2 60 min	kW	kW					46
6-2		Lift motor rating at S3 15%	kW	kW					165	
6-3		Battery type	Type	Type					Li-ion	
6-4-1		Battery capacity - 2 battery packs	kWh						139	
		Battery voltage / nominal capacity - 2 battery packs	V / Ah			363			384	
6-4-2		Battery capacity - 3 battery packs	kWh						N/A	
		Battery voltage / nominal capacity - 3 battery packs	V / Ah						N/A	
6-5-1	Battery weight - 2 battery packs	lb	kg		2,727			1,237		
6-5-2	Battery weight - 3 battery packs	lb	kg					N/A		
DRIVE	8-1	Type of drive unit	Type / #	Type / #					AC Electric	
	8-3	Wheel drive / drive axle manufacturer / type	Type	Type					Kessler / D81	
	8-4	Service brake	Type	Type					Oil immersed (wet) disc	
	8-5	Parking brake	Type	Type					Spring apply, dry disc on drive axle	
MISC	10-1	Working pressure for attachments	psi	MPa		2,828			19.5	
	10-2	Oil volume for attachments	gpm	l/m		26.4			100	
	10-3	Hydraulic oil tank, capacity	gal	l		28.8			109	
	10-5	Steering design	Type	Type					Hydraulic Power Steering	
	10-6	Number of steering rotations	#	#					5.0	
	10-8	Towing coupling, type DIN	Type	Type					Yes / Pin	

<sup>(1)</sup> Laden/Unladen travel speed limited to 15.5 mph (25 km/h) from the factory

<sup>(2)</sup> Peak power

ERP330EFS GENERAL SPECIFICATIONS

GENERAL	1-1	Manufacturer				Yale				
	1-2	Model designation				ERP330EFS				
	1-3	Powertrain / drivetrain				Electric				
	1-4	Operator type				Seated				
	1-5	Rated load capacity	lb	kg	Q	33,000		14,969		
	1-6	Load center	in	mm	c <sub>1</sub>	24		610		
	1-8	Load distance	in	mm	x	35.0		889		
	1-9	Wheelbase	in	mm	y	114		2,900		
	WEIGHTS	2-1	Total truck weight without load <sup>(1)</sup>	lb	kg		42,084		19,089	
2-2		Axle loading with load, front / rear	lb	kg		69,219	5,867	31,397	2,661	
2-3		Axle loading without load, front / rear	lb	kg		19,068	22,919	8,649	10,396	
WHEELS	3-1	Tire type	Type	Type		Pneumatic				
	3-2	Tire size, front				12.00-20 20PR				
	3-3	Tire size, rear				12.00-20 20PR				
	3-5	Number of tires, front / rear ( X driven )	#	#		x4/2				
	3-6	Tread width, front	in	mm	b <sub>10</sub>	72.5		1,842		
	3-7	Tread width, rear	in	mm	b <sub>11</sub>	79.4		2,018		
	DIMENSIONS	4-1	Mast tilt, forward / back	°	°	α/β	15°F / 12°B			
4-2		Height of mast lowered	in	mm	h <sub>1</sub>	141		3,568		
4-3		Freelift	in	mm	h <sub>2</sub>	0		0		
4-4		Lift height (top of fork)	in	mm	h <sub>3</sub>	147		3,750		
4-4-1		Lift height (bottom of fork)	in	mm		144		3,660		
4-5		Height, extended	in	mm	h <sub>4</sub>	213		5,398		
4-7		Height to top of operator compartment (open cab)	in	mm	h <sub>6</sub>	121		3,083		
4-7-1		Height, top of operator comp (closed cab)	in	mm	h <sub>6</sub>	122		3,110		
4-7-2		Height, top of operator comp (closed cab w/ airco)	in	mm	h <sub>6</sub>	122		3,110		
4-7-3		Height, top of operator comp (closed cab w/ strobe light)	in	mm	h <sub>6</sub>	126		3,205		
4-7-4		Height, top of operator comp (closed cab w/ work lights)	in	mm	h <sub>6</sub>	127		3,229		
4-7-5		Height, top of operator comp (closed cab w/ airco & strobe)	in	mm		127		3,235		
4-8		Seat height to seat point index (SIP)	in	mm	h <sub>2</sub>	75		1,903		
4-12		Tow coupler height	in	mm		27		689		
4-19		Overall length	in	mm	l <sub>1</sub>	258		6,544		
4-20		Length to load face	in	mm	l <sub>2</sub>	186		4,714		
4-21		Overall width of truck	in	mm	b <sub>2</sub>	98		2,490		
4-22		Fork dimension	in	mm	s/e/l	3.5 / 8 / 72		90 / 200 / 1,830		
4-23		Fork carriage type	Type	Type		Standard pin type carriage				
4-24		Carriage width	in	mm	b <sub>3</sub>	98.3		2,496		
4-25-1		Fork spread, min (in-in)	in	mm	b <sub>5</sub>	5.3		134		
4-25-2		Fork spread, max (out-out)	in	mm	b <sub>5</sub>	92.8		2,356		
4-30		Sideshift	in	mm	b <sub>8</sub>	0		0		
4-31		Ground clearance, under mast with load	in	mm	m <sub>1</sub>	9.6		245		
4-32		Ground clearance, center of wheelbase	in	mm	m <sub>2</sub>	13.4		341		
4-34		Minimum aisle width (add load length & clearance)	in	mm	Ast	200		5,069		
4-35		Outside turning radius	in	mm	Wa	165		4,180		
4-36		Inner turning radius	in	mm		57.2		1,454		
<b>SINGLE POWERTAIN</b>										
PERFORMANCE		5-1	Travel speed, with / without load <sup>(1)</sup>	mph	km/h		15	15	25	25
		5-2	Lifting speed, with / without load	ft/min	m/s		71	79	0.36	0.40
		5-3	Lowering speed, with / without load	ft/min	m/s		106	94	0.54	0.48
		5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	lb	kN		5,200	6,400	30	33
		5-6	Drawbar pull - max, with / without load <sup>(3)</sup>	lb	kN		12,400	13,700	62	65
		5-7	Gradeability - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	%	%		9		17	
		5-8	Gradeability - max, with / without load <sup>(2)</sup>	%	%		19		30	
	ELECTRIC	6-1	Drive motor rating, S2 60 min	kW	kW		46			
6-2		Lift motor rating at S3 15%	kW	kW		165				
6-3		Battery type	Type	Type		Li-ion				
6-4-1		Battery capacity - 2 battery packs	kWh					139		
&		Battery voltage / nominal capacity - 2 battery packs	V / Ah			363		384		
6-4-2		Battery capacity - 3 battery packs	kWh					N/A		
&		Battery voltage / nominal capacity - 3 battery packs	V / Ah					N/A		
6-5-1		Battery weight - 2 battery packs	lb	kg		2,727		1,237		
6-5-2	Battery weight - 3 battery packs	lb	kg		N/A					
DRIVE	8-1	Type of drive unit	Type / #	Type / #		AC Electric				
	8-3	Wheel drive / drive axle manufacturer / type	Type	Type		Kessler / D81				
	8-4	Service brake	Type	Type		Oil immersed (wet) disc				
	8-5	Parking brake	Type	Type		Spring apply, dry disc on drive axle				
	MISC	10-1	Working pressure for attachments	psi	MPa		2,828		19.5	
10-2		Oil volume for attachments	gpm	l/m		26.4		100		
10-3		Hydraulic oil tank, capacity	gal	l		28.8		109		
10-5		Steering design	Type	Type		Hydraulic Power Steering				
10-6		Number of steering rotations	#	#		5.0				
10-8		Towing coupling, type DIN	Type	Type		Yes / Pin				

<sup>(1)</sup> Laden/Unladen travel speed limited to 15.5 mph (25 km/h) from the factory

<sup>(2)</sup> Peak power

ERP300EF GENERAL SPECIFICATIONS

GENERAL	1-1	Manufacturer				Yale			
	1-2	Model designation				ERP300EF			
	1-3	Powertrain / drivetrain				Electric			
	1-4	Operator type				Seated			
	1-5	Rated load capacity	lb	kg	Q	30,000		13,608	
	1-6	Load center	in	mm	c <sub>1</sub>	24		610	
	1-8	Load distance	in	mm	x	35.0		889	
	1-9	Wheelbase	in	mm	y	130		3,300	
	WEIGHTS	2-1	Total truck weight without load <sup>(1)</sup>	lb	kg		39,628		17,975
2-2		Axle loading with load, front / rear	lb	kg		64,181	5,448	29,112	2,471
2-3		Axle loading without load, front / rear	lb	kg		20,556	19,070	9,324	8,650
WHEELS	3-1	Tire type	Type	Type		Pneumatic			
	3-2	Tire size, front				12.00-20 20PR			
	3-3	Tire size, rear				12.00-20 20PR			
	3-5	Number of tires, front / rear ( X driven )	#	#		x4/2			
	3-6	Tread width, front	in	mm	b <sub>10</sub>	72.5		1,842	
	3-7	Tread width, rear	in	mm	b <sub>11</sub>	79.4		2,018	
	DIMENSIONS	4-1	Mast tilt, forward / back	°	°	α/β	15°F / 12°B		
4-2		Height of mast lowered	in	mm	h <sub>1</sub>	141		3,568	
4-3		Freelift	in	mm	h <sub>2</sub>	0		0	
4-4		Lift height (top of fork)	in	mm	h <sub>3</sub>	147		3,750	
4-4-1		Lift height (bottom of fork)	in	mm		144		3,660	
4-5		Height, extended	in	mm	h <sub>4</sub>	213		5,398	
4-7		Height to top of operator compartment (open cab)	in	mm	h <sub>6</sub>	121		3,083	
4-7-1		Height, top of operator comp (closed cab)	in	mm	h <sub>6</sub>	122		3,110	
4-7-2		Height, top of operator comp (closed cab w/ airco)	in	mm	h <sub>6</sub>	122		3,110	
4-7-3		Height, top of operator comp (closed cab w/ strobe light)	in	mm	h <sub>6</sub>	126		3,205	
4-7-4		Height, top of operator comp (closed cab w/ work lights)	in	mm	h <sub>6</sub>	127		3,229	
4-7-5		Height, top of operator comp (closed cab w/ airco & strobe)	in	mm		127		3,235	
4-8		Seat height to seat point index (SIP)	in	mm	h <sub>2</sub>	75		1,903	
4-12		Tow coupler height	in	mm		27		689	
4-19		Overall length	in	mm	l <sub>1</sub>	268		6,814	
4-20		Length to load face	in	mm	l <sub>2</sub>	196		4,984	
4-21		Overall width of truck	in	mm	b <sub>2</sub>	98		2,490	
4-22		Fork dimension	in	mm	s/e/l	3.5 / 8 / 72		90 / 200 / 1,830	
4-23		Fork carriage type	Type	Type		Standard pin type carriage			
4-24		Carriage width	in	mm	b <sub>3</sub>	98.3		2,496	
4-25-1		Fork spread, min (in-in)	in	mm	b <sub>5</sub>	5.3		134	
4-25-2		Fork spread, max (out-out)	in	mm	b <sub>5</sub>	92.8		2,356	
4-30		Sideshift	in	mm	b <sub>8</sub>	0		0	
4-31		Ground clearance, under mast with load	in	mm	m <sub>1</sub>	9.6		245	
4-32		Ground clearance, center of wheelbase	in	mm	m <sub>2</sub>	13.4		341	
4-34		Minimum aisle width (add load length & clearance)	in	mm	Ast	215		5,462	
4-35	Outside turning radius	in	mm	Wa	180		4,573		
4-36	Inner turning radius	in	mm		70.0		1,778		
<b>SINGLE POWERTAIN</b>									
PERFORMANCE	5-1	Travel speed, with / without load <sup>(1)</sup>	mph	km/h		15	15	25	25
	5-2	Lifting speed, with / without load	ft/min	m/s		71	79	0.36	0.40
	5-3	Lowering speed, with / without load	ft/min	m/s		106	94	0.54	0.48
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	lb	kN		5,400	6,500	31	33
	5-6	Drawbar pull - max, with / without load <sup>(3)</sup>	lb	kN		12,600	13,800	63	65
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	%	%		10		19	
	5-8	Gradeability - max, with / without load <sup>(2)</sup>	%	%		20		35	
	ELECTRIC	6-1	Drive motor rating, S2 60 min	kW	kW		46		
6-2		Lift motor rating at S3 15%	kW	kW		165			
6-3		Battery type	Type	Type		Li-ion			
6-4-1		Battery capacity - 2 battery packs	kWh					139	
&		Battery voltage / nominal capacity - 2 battery packs	V / Ah			363		384	
6-4-2		Battery capacity - 3 battery packs	kWh					209	
&		Battery voltage / nominal capacity - 3 battery packs	V / Ah			363		576	
DRIVE	6-5-1	Battery weight - 2 battery packs	lb	kg		2,937		1,332	
	6-5-2	Battery weight - 3 battery packs	lb	kg		3,867		1,754	
MISC	8-1	Type of drive unit	Type / #	Type / #		AC Electric			
	8-3	Wheel drive / drive axle manufacturer / type	Type	Type		Kessler / D81			
	8-4	Service brake	Type	Type		Oil immersed (wet) disc			
	8-5	Parking brake	Type	Type		Spring apply, dry disc on drive axle			
	10-1	Working pressure for attachments	psi	MPa		2,828		19.5	
10-2	Oil volume for attachments	gpm	l/m		26.4		100		
10-3	Hydraulic oil tank, capacity	gal	l		28.8		109		
10-5	Steering design	Type	Type		Hydraulic Power Steering				
10-6	Number of steering rotations	#	#				5.0		
10-8	Towing coupling, type DIN	Type	Type		Yes / Pin				

<sup>(1)</sup> Laden/Unladen travel speed limited to 15.5 mph (25 km/h) from the factory

<sup>(2)</sup> Peak power

ERP330EF GENERAL SPECIFICATIONS

GENERAL	1-1	Manufacturer				Yale				
	1-2	Model designation				ERP330EF				
	1-3	Powertrain / drivetrain				Electric				
	1-4	Operator type				Seated				
	1-5	Rated load capacity	lb	kg	Q	33,000		14,969		
	1-6	Load center	in	mm	c <sub>1</sub>	24		610		
	1-8	Load distance	in	mm	x	35.0		889		
	1-9	Wheelbase	in	mm	y	130		3,300		
	WEIGHTS	2-1	Total truck weight without load <sup>(1)</sup>	lb	kg		40,841		18,525	
2-2		Axle loading with load, front / rear	lb	kg		68,350	5,490	31,003	2,490	
2-3		Axle loading without load, front / rear	lb	kg		20,364	20,477	9,237	9,288	
WHEELS	3-1	Tire type	Type	Type		Pneumatic				
	3-2	Tire size, front				12.00-20 20PR				
	3-3	Tire size, rear				12.00-20 20PR				
	3-5	Number of tires, front / rear ( X driven )	#	#		x4/2				
	3-6	Tread width, front	in	mm	b <sub>10</sub>	72.5		1,842		
	3-7	Tread width, rear	in	mm	b <sub>11</sub>	79.4		2,018		
	DIMENSIONS	4-1	Mast tilt, forward / back	°	°	α/β	15°F / 12°B			
4-2		Height of mast lowered	in	mm	h <sub>1</sub>	141		3,568		
4-3		Freelift	in	mm	h <sub>2</sub>	0		0		
4-4		Lift height (top of fork)	in	mm	h <sub>3</sub>	147		3,750		
4-4-1		Lift height (bottom of fork)	in	mm		144		3,660		
4-5		Height, extended	in	mm	h <sub>4</sub>	213		5,398		
4-7		Height to top of operator compartment (open cab)	in	mm	h <sub>6</sub>	121		3,083		
4-7-1		Height, top of operator comp (closed cab)	in	mm	h <sub>6</sub>	122		3,110		
4-7-2		Height, top of operator comp (closed cab w/ airco)	in	mm	h <sub>6</sub>	122		3,110		
4-7-3		Height, top of operator comp (closed cab w/ strobe light)	in	mm	h <sub>6</sub>	126		3,205		
4-7-4		Height, top of operator comp (closed cab w/ work lights)	in	mm	h <sub>6</sub>	127		3,229		
4-7-5		Height, top of operator comp (closed cab w/ airco & strobe)	in	mm		127		3,235		
4-8		Seat height to seat point index (SIP)	in	mm	h <sub>2</sub>	75		1,903		
4-12		Tow coupler height	in	mm		27		689		
4-19		Overall length	in	mm	l <sub>1</sub>	268		6,814		
4-20		Length to load face	in	mm	l <sub>2</sub>	196		4,984		
4-21		Overall width of truck	in	mm	b <sub>2</sub>	98		2,490		
4-22		Fork dimension	in	mm	s/e/l	3.5 / 8 / 72		90 / 200 / 1,830		
4-23		Fork carriage type	Type	Type		Standard pin type carriage				
4-24		Carriage width	in	mm	b <sub>3</sub>	98.3		2,496		
4-25-1		Fork spread, min (in-in)	in	mm	b <sub>5</sub>	5.3		134		
4-25-2		Fork spread, max (out-out)	in	mm	b <sub>5</sub>	92.8		2,356		
4-30		Sideshift	in	mm	b <sub>8</sub>	0		0		
4-31		Ground clearance, under mast with load	in	mm	m <sub>1</sub>	9.6		245		
4-32		Ground clearance, center of wheelbase	in	mm	m <sub>2</sub>	13.4		341		
4-34		Minimum aisle width (add load length & clearance)	in	mm	Ast	215		5,462		
4-35		Outside turning radius	in	mm	Wa	180		4,573		
4-36		Inner turning radius	in	mm		70.0		1,778		
<b>SINGLE POWERTAIN</b>										
PERFORMANCE		5-1	Travel speed, with / without load <sup>(1)</sup>	mph	km/h		15	15	25	25
		5-2	Lifting speed, with / without load	ft/min	m/s		71	79	0.36	0.40
		5-3	Lowering speed, with / without load	ft/min	m/s		106	94	0.54	0.48
		5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	lb	kN		5,300	6,500	30	33
		5-6	Drawbar pull - max, with / without load <sup>(3)</sup>	lb	kN		12,500	13,700	62	65
		5-7	Gradeability - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	%	%		9		18	
		5-8	Gradeability - max, with / without load <sup>(2)</sup>	%	%		19		34	
	ELECTRIC	6-1	Drive motor rating, S2 60 min	kW	kW		46			
6-2		Lift motor rating at S3 15%	kW	kW		165				
6-3		Battery type	Type	Type		Li-ion				
6-4-1		Battery capacity - 2 battery packs	kWh					139		
&		Battery voltage / nominal capacity - 2 battery packs	V / Ah			363		384		
6-4-2		Battery capacity - 3 battery packs	kWh					209		
&		Battery voltage / nominal capacity - 3 battery packs	V / Ah			363		576		
DRIVE	6-5-1	Battery weight - 2 battery packs	lb	kg		3,289		1,492		
	6-5-2	Battery weight - 3 battery packs	lb	kg		3,867		1,754		
MISC	8-1	Type of drive unit	Type / #	Type / #		AC Electric				
	8-3	Wheel drive / drive axle manufacturer / type	Type	Type		Kessler / D81				
	8-4	Service brake	Type	Type		Oil immersed (wet) disc				
	8-5	Parking brake	Type	Type		Spring apply, dry disc on drive axle				
	10-1	Working pressure for attachments	psi	MPa		2,828		19.5		
10-2	Oil volume for attachments	gpm	l/m		26.4		100			
10-3	Hydraulic oil tank, capacity	gal	l		28.8		109			
10-5	Steering design	Type	Type		Hydraulic Power Steering					
10-6	Number of steering rotations	#	#				5.0			
10-8	Towing coupling, type DIN	Type	Type		Yes / Pin					

<sup>(1)</sup> Laden/Unladen travel speed limited to 15.5 mph (25 km/h) from the factory

<sup>(2)</sup> Peak power



ERP360EF GENERAL SPECIFICATIONS

						Yale				
GENERAL	1-1	Manufacturer				ERP360EF				
	1-2	Model designation				Electric				
	1-3	Powertrain / drivetrain				Seated				
	1-4	Operator type								
	1-5	Rated load capacity	lb	kg	Q	36,000		16,329		
	1-6	Load center	in	mm	c <sub>1</sub>	24		610		
	1-8	Load distance	in	mm	x	35.0		889		
	1-9	Wheelbase	in	mm	y	130		3,300		
	WEIGHTS	2-1	Total truck weight without load <sup>(1)</sup>	lb	kg		42,979		19,495	
2-2		Axle loading with load, front / rear	lb	kg		68,573	5,997	31,104	2,720	
2-3		Axle loading without load, front / rear	lb	kg		20,633	22,346	9,359	10,136	
WHEELS	3-1	Tire type	Type	Type		Pneumatic				
	3-2	Tire size, front				12.00-20 20PR				
	3-3	Tire size, rear				12.00-20 20PR				
	3-5	Number of tires, front / rear ( X driven )	#	#		x4/2				
	3-6	Tread width, front	in	mm	b <sub>10</sub>	72.5		1,842		
	3-7	Tread width, rear	in	mm	b <sub>11</sub>	79.4		2,018		
	DIMENSIONS	4-1	Mast tilt, forward / back	°	°	α/β	15°F / 12°B			
4-2		Height of mast lowered	in	mm	h <sub>1</sub>	141		3,568		
4-3		Freelift	in	mm	h <sub>2</sub>	0		0		
4-4		Lift height (top of fork)	in	mm	h <sub>3</sub>	147		3,750		
4-4-1		Lift height (bottom of fork)	in	mm		144		3,660		
4-5		Height, extended	in	mm	h <sub>4</sub>	213		5,398		
4-7		Height to top of operator compartment (open cab)	in	mm	h <sub>6</sub>	121		3,083		
4-7-1		Height, top of operator comp (closed cab)	in	mm	h <sub>6</sub>	122		3,110		
4-7-2		Height, top of operator comp (closed cab w/ airco)	in	mm	h <sub>6</sub>	122		3,110		
4-7-3		Height, top of operator comp (closed cab w/ strobe light)	in	mm	h <sub>6</sub>	126		3,205		
4-7-4		Height, top of operator comp (closed cab w/ work lights)	in	mm	h <sub>6</sub>	127		3,229		
4-7-5		Height, top of operator comp (closed cab w/ airco & strobe)	in	mm		127		3,235		
4-8		Seat height to seat point index (SIP)	in	mm	h <sub>2</sub>	75		1,903		
4-19		Overall length	in	mm		268		6,814		
4-12		Tow coupler height	in	mm	l <sub>1</sub>	27		689		
4-20		Length to load face	in	mm	l <sub>2</sub>	196		4,984		
4-21		Overall width of truck	in	mm	b <sub>2</sub>	98		2,490		
4-22		Fork dimension	in	mm	s/e/l	3.5 / 8 / 72		90 / 200 / 1,830		
4-23		Fork carriage type	Type	Type		Standard pin type carriage				
4-24		Carriage width	in	mm	b <sub>3</sub>	98.3		2,496		
4-25-1		Fork spread, min (in-in)	in	mm	b <sub>5</sub>	5.3		134		
4-25-2		Fork spread, max (out-out)	in	mm	b <sub>5</sub>	92.8		2,356		
4-30		Sideshift	in	mm	b <sub>8</sub>	0		0		
4-31		Ground clearance, under mast with load	in	mm	m <sub>1</sub>	9.6		245		
4-32		Ground clearance, center of wheelbase	in	mm	m <sub>2</sub>	13.4		341		
4-34		Minimum aisle width (add load length & clearance)	in	mm	Ast	215		5,462		
4-35		Outside turning radius	in	mm	Wa	180		4,573		
4-36		Inner turning radius	in	mm		70.0		1,778		
<b>SINGLE POWERTAIN</b>										
PERFORMANCE		5-1	Travel speed, with / without load <sup>(1)</sup>	mph	km/h		15	15	25	25
		5-2	Lifting speed, with / without load	ft/min	m/s		71	79	0.36	0.40
		5-3	Lowering speed, with / without load	ft/min	m/s		106	94	0.54	0.48
		5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	lb	kN		5,000	6,400	30	33
		5-6	Drawbar pull - max, with / without load <sup>(3)</sup>	lb	kN		12,200	13,600	62	65
		5-7	Gradeability - 1 mph (1.6 km/h), with / without load <sup>(2)</sup>	%	%		8		17	
		5-8	Gradeability - max, with / without load <sup>(2)</sup>	%	%		18		32	
	ELECTRIC	6-1	Drive motor rating, S2 60 min	kW	kW		46			
6-2		Lift motor rating at S3 15%	kW	kW		165				
6-3		Battery type	Type	Type		Li-ion				
6-4-1		Battery capacity - 2 battery packs	kWh			139				
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&		Battery voltage / nominal capacity - 3 battery packs	V / Ah			363		576		
DRIVE	6-5-1	Battery weight - 2 battery packs	lb	kg		3,774		1,712		
	6-5-2	Battery weight - 3 battery packs	lb	kg		3,867		1,754		
MISC	8-1	Type of drive unit	Type / #	Type / #		AC Electric				
	8-3	Wheel drive / drive axle manufacturer / type	Type	Type		Kessler / D81				
	8-4	Service brake	Type	Type		Oil immersed (wet) disc				
	8-5	Parking brake	Type	Type		Spring apply, dry disc on drive axle				
	10-1	Working pressure for attachments	psi	MPa		2,828		19.5		
MISC	10-2	Oil volume for attachments	gpm	l/m		26.4		100		
	10-3	Hydraulic oil tank, capacity	gal	l		28.8		109		
	10-5	Steering design	Type	Type		Hydraulic Power Steering				
	10-6	Number of steering rotations	#	#		5.0				
	10-8	Towing coupling, type DIN	Type	Type		Yes / Pin				

<sup>(1)</sup> Laden/Unladen travel speed limited to 15.5 mph (25 km/h) from the factory

<sup>(2)</sup> Peak power





## BATTERY CHARGER SPECIFICATIONS

Input voltage	Charge rate (kW)	Enclosure size						Charger plug cable length		Operating range		Manufacturer
		Height		Width		Thickness						
		in	mm	in	mm	in	mm	ft	m	F	C	
480V, 3 Phase, 60Hz	10	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	Borg Warner
480V, 3 Phase, 60Hz	36	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	Borg Warner
480V, 3 Phase, 60Hz	45	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	Borg Warner
480V, 3 Phase, 60Hz	75	65	1654	72	1822	20	503	25	7.62	-4° to 122°	-20° to 50°	Borg Warner
480V, 3 Phase, 60Hz	90	65	1654	72	1822	20	503	25	7.62	-4° to 122°	-20° to 50°	Borg Warner

Wall power cable is not included. The charger has an enclosure rating of IP54 and is equipped with emergency stop and anti-arc.

The battery run time and battery charge time tables are a helpful guide to visualize the truck run time with different batteries in different applications.

- **Heavy** – high throughput, typically runs full capacity, runs either attachments or has high lifts
- **Medium** – high throughput, runs near capacity without attachments or high lifts
- **Light** – lower throughput, runs less than rated capacity without attachments or high lifts

Note: Run time is from 100% to lift-lock out. Charge time is from lift-lock out to 100%.

(Charts are a guide only and not a replacement for a site survey and full power study.)

### BATTERY TIME TO FULL CHARGE

Battery capacity (kWh)	Charger power (kW)	Time to full charge (minutes)
68.7	50	82
137.4	50	165
137.4	80	103
137.4	90	92
206.1	50	247
206.1	80	155
206.1	90	137
274.8	50	330
274.8	80	206
274.8	90	183

### BATTERY EXPECTED RUN TIME (HOURS)

Battery capacity (kWh)	Light application (14.5 kW/h)	Normal application (21.8 kW/h)	Heavy application (29 kW/h)
137.4	9.5	6.3	4.7
206.1	14.2	9.5	7.1
274.8	19.0	12.6	9.5

## FEATURES LIST

PERFORMANCE	STD.	OPT.	HANDLING CONTINUED	STD.	OPT.
Two 350V integrated lithium-ion batteries with battery management system	●		80" (2040mm) high load backrest		●
One additional 350V lithium-ion battery pack		●	98" (2500mm) high load stabilizer (for lumber applications)		●
Traction motor rated 62 hp (46 kW) / peak 145 hp (108 kW)	●		72" long x 3.5" thick x 7.9" wide (1830mm x 90mm x 200mm) forks*	●	
Liquid cooling system for motors and controllers	●		96" long x 3.9" thick x 8" wide (2435 mm x 100 mm x 200 mm) forks**		
Performance modes selectable in Integrated Performance Display	●		Pin type forks (various sizes)		●
Powertrain protection system	●		Pin type forks for lumber applications		●
Kessler D61 drive axle with wet disc brakes	●		Hook type quick disconnect DFSSFP forks (various sizes)		●
DRIVE	STD.	OPT.	ERGONOMICS	STD.	OPT.
Travel speed limiter - unconditional and customer adjustable		●	Open operator compartment (without doors & screens)	●	
Travel speed limiter - loaded (adjustable)		●	Enclosed operator cabin		●
12.00 - 20 20PR Trelleborg Pneumatic Bias Ply drive and steer tires	●		Manual tilt operator compartment for service	●	
12.00 - R20 Michelin XZM Radial drive and steer tires		●	Powered tilt operator compartment for service		●
12.00 - R20 Trelleborg Radial drive and steer tires		●	Isolated cabin mounting for low noise and vibration	●	
12.00 - 20 Pneumatic Shaped Solid drive and steer tires		●	Operator presence system	●	
LIFT	STD.	OPT.	Mechanical suspension seat	●	
Hydraulic motor rated 99 hp (74 kW) / peak 223 hp (166 kW)	●		Air suspension seat		●
On-demand load sensing hydraulic system	●		Deluxe air suspension seat		●
Variable lap mast for low roller forces	●		Low backrest seat	●	
2-stage non free-lift mast	●		High backrest seat		●
2-stage full free-lift mast		●	Armrest on left side	●	
3-stage full free-lift mast		●	Cloth seat cover		●
Mast tilt - 5° forward / 6° back		●	Vinyl seat cover	●	
Mast tilt - 5° forward / 12° back		●	Seat heating		●
Mast tilt - 15° forward / 10° back		●	Seat ventilation		●
Mast tilt - 15° forward / 12° back	●		2-point high visibility seatbelt	●	
Mast tilt - 20.5° forward / 7° back		●	Lateral seat sliding mechanism		●
Mast tilt indicator - mechanical		●	Floor mat	●	
Hydraulic accumulator		●	Coat hook	●	
Pressure compensated lowering		●	Front, top and rear wipers		●
Hydraulic system temperature protection with performance de-rate		●	"H"-pattern front wiper (enclosed operator cabin)		●
HANDLING	STD.	OPT.	"I"-pattern front wiper (enclosed operator cabin)		●
98.3" (2496mm) pin type carriage with mechanical fork locks	●		Laminated glass operator compartment front window		●
98.3" (2496mm) pin type carriage with simultaneous and independent fork positioner		●	Tinted operator compartment windows (doors, rear and top window)		
98.3" (2496mm) pin type apron-style sideshift carriage		●	Tinted operator compartment top window		●
98.4" (2500mm) pin type apron-style sideshift carriage with simultaneous fork positioner		●	Armoured glass rain top		●
98.3" (2496mm) pin type apron-style sideshift carriage with simultaneous and independent fork positioner		●	Lexan top window		●
98.3" (2498mm) QD Hook type dual function sideshift carriage with simultaneous and independent fork positioner	●		Plexiglass shield in front of front window		●
98.3" (2498mm) QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		●	Wire mesh installed on top of operator compartment		●
72" (1824mm) high load backrest		●	Vertical steel bar front window guard		●
			Operator shield wire mesh		●
			7" integrated performance display	●	
			Accutouch mini levers hydraulic control integrated in Control Arm	●	
			Joystick hydraulic control integrated in Control Arm		●
			Steering wheel without spinner knob	●	
			Steering wheel with spinner knob		●
			Directional control lever on steering column	●	
			Foot Directional Control Pedal		●

## FEATURES LIST CONTINUED

ERGONOMICS CONTINUED	STD.	OPT.
Directional control on mini-levers or joystick		●
Park brake - push button applied	●	
Park brake - automatically applied		●
Heater with adjustable speed fan (Enclosed operator cabin)		●
Telescoping & tilting steering column	●	
USB outlet inside armrest	●	
24-12 volt DC converter with 1 socket and 2 USB outlets	●	
24-12 volt DC converter with 2 sockets and 2 USB outlets		●
Air conditioning		●
Automatic climate control		●
Reading light		●
Sun shades on top and rear		●
Sun visors front window		●
Cloth trainer seat with 2-point seatbelt		●
Recirculation fan		●
Additional recirculation fan		●
Accessory mounting bracket on cab front right pillar		●
Document holder on cab front right pillar		●
Heated top- and/or rear window		●
Radio preparation with 2 speakers and antenna		●
VISIBILITY	STD.	OPT.
Steel bars on top of cab (Open operator compartment)	●	
Top window with armored glass (Enclosed operator cabin)	●	
Steel bars under armored glass top window (Enclosed operator cabin)		●
Interior wide angle mirrors	●	
Exterior mirrors mounted to cab		●
Rear view camera system		●
Radar object detection system		●
High performance LED work lights		●
Two head lights mounted on front fenders		●
Four mast mounted work lights		●
Four cabin mounted work lights		●
Two rearward work lights mounted on the cabin		●
LED stop/tail/brake lights	●	
Turn signals, hazard & marker lights (LED)		●
OPERATION	STD.	OPT.
Air horn 112 dBA		●
Electric horn 105 dBA	●	
Visible alarm – Amber strobe light, ignition activated		●
Audible alarm – Reverse direction activated 82–102 dB(A), self-adjusting (6)		●
Audible alarm – reverse direction white noise		●
Forward / reverse motion alarm		●
Blue LED spotlight – rear / front and rear		●
Tire pressure monitoring system		●
Air conditioning shut-off with open door		●
Lockable battery disconnect switch	●	
Operator password (display) for Truck Start	●	
Seatbelt Interlock for truck start		●
Power distribution group with fuses	●	

OPERATION CONTINUED	STD.	OPT.
Fuses below 30 amps replaced by electric circuit breakers		●
Yale Vision™ wireless asset management system	●	
Yale Vision™ wireless asset management - access / verification		●
Yale Vision™ wireless asset management - monitoring		●
Auto greasing system for basic truck & outer mast		●
24 volt electrical system	●	
Steer wheel lug nut protection		●
Front and/or rear mud guards		●
Lifting eyes - 2 front and 2 rear		●
APPEARANCE	STD.	OPT.
Second capacity plate		●
Yale gold paint base truck	●	
Special paint base truck		●
Operator compartment special paint (complete cabin)		●
Hazard warning striping on counterweight		●
SUPPLEMENTAL	STD.	OPT.
Literature package	●	
Operator's manual	●	
12 Months / 2,000 Hours Manufacturer's Warranty, 24 Months/4,000 Hours Manufacturer's Powertrain Warranty, 60 Months / 10,000 Hours / 270,000 Ahr Factory Installed Integrated Li-Ion Battery Warranty	●	

Other options available through Special Products Engineering Department (SPED). Contact Yale for details.

# 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.