



ERP100-160

10,000 - 16,000 kg

EF/DF Series

Electric Forklift Trucks



VDI	219	8 – GENERAL SPECIFICATIONS – EF/DF S	SERIES							
	1.1	Manufacturer		Yale			ale			
	1.2	Model designation		ERP1	00DF	ERP1	120DF	ERP1	30EF	
بد	1.3	Power train / Voltage				Electric / 350V				
GENERAL	1.4	Operator type				Seated				
Z	1.5	Rated capacity / rated load	Q (kg)			12,000		13,000		
	1.6	Load centre distance	c (mm)				00			
	1.7	Load distance	x (mm)			04		889 3,300		
	1.8	Wheelbase	y (mm)			900				
WEIGHT	2.1	Service weight (1)	kg				027	18,9		
Ě	2.2	Axle loading, laden front / rear	kg	23,347 7,763	1,925 7,009	26,174 7,622	8,405	29,239 10,448	2,408 8,499	
	3.1	Axle loading, unladen front / rear Tyres	kg	7,765	7,007		ımatic	10,440	0,477	
	3.2	Tyres size, front			10.00-2	20 16PR	imatic	12.00-2	0 20PR	
ES	3.3	Tyres size, rear				20 16PR		12.00-2		
TYRES	3.4	Wheels, number front / rear (x = driven wheels)								
	3.5	Track width, front	b10 (mm)							
	3.6	Track width, rear	b11 (mm)	1,842				2,000		
	4.1	Mast tilt: forward / backwards	α / β (°)	15°	12°	15°	12°	15°	12°	
	4.2	Height of mast lowered (unloaded)	h1 (mm)		4,	132		4,1	93	
	4.3	Free lift	h ₂ (mm)							
	4.4	Lift height (bottom of forks)	h ₃ (mm)	4,925				49		
	4.5	Height of mast extended (unloaded)	h4 (mm)			594		6,6		
	4.6	Height of overhead guard (closed cab)	h ₆ (mm)			042		3,1		
	4.6.1	Height of overhead guard (closed cab w/ airco)	hs (mm)			042 137		3,1		
	4.6.3	Height of overhead guard (closed cab w/ strobe light) Height of overhead guard (closed cab w/ work lights)	h ₆ (mm)			191		3,2		
	4.6.4	Height of overhead guard (closed cab w/ work tights) Height of overhead guard (closed cab w/ airco & strobe light)	h ₆ (mm)			167		3,2		
	4.7	Seat height (Seat Index Point, ISO 5353)	h ₇ (mm)			835		1,9		
	4.8	Coupling height	h ₁₀ (mm)			49		71		
	4.9	Overhang	ls (mm)		8	09		80	19	
	4.10	Overall length	l1 (mm)		5,'	733		6,828		
v	4.11	Length to face of forks	l2 (mm)		4,	513		4,998		
ĕ	4.12	Overall width truck	b2 (mm)		2,4	464		2,5	41	
SIS	4.13	Fork dimensions	s/e/l (mm)	75 / 200	1,220	75 / 200	1,220	90 / 200 1,830		
DIMENSIONS	4.14	Carriage type			75 mm std pin type			85mm std pin type 2,496		
_	4.15	Carriage width	b3 (mm)	2,396						
	4.16	Distance over fork arms, minimum / maximum	bs (mm)	470 2320 470 2320				470	2420	
	4.17 4.18	Sideshift (min / max) Ground clearance, under mast (w/o load)	bs (mm) m ₁ (mm)		2	24	. F.			
	4.19	Ground clearance, under mast (w/b toau) Ground clearance, centre of wheelbase	m ₂ (mm)		2	34				
	4.20	Load size	w x l (mm)]				
	4.20.1	Aisle width (a=10%)	Ast (mm)		6,	7,3	40			
	4.20.2	Aisle width (a=0)	Ast (mm)	6,115				6,6	73	
	4.20.3	Aisle width (a=200)	Ast (mm)	6,315				6,8	73	
	4.21	Load size	w x l (mm)	1,200 800 1,200 800				1,200	800	
	4.21.1	Aisle width (a=10%)	Ast (mm)	6,287				6,900		
		Aisle width (a=0)	Ast (mm)	5,715			6,273			
		Aisle width (a=200)	Ast (mm)	5,915			6,473			
	4.22	Turning radius (outer)	Wa (mm)	4,111			4,584			
	4.23 5.1	Internal turning radius Travel speed laden/unladen (2)	b ₁₃ (mm) km/h	1,545			1,890			
ш	5.2	Lifting speed laden/unladen	m/s	32.2 TBD				24.8		
PERFORMANCE	5.3	Lowering speed laden/unladen	m/s	0.50	0.48	0.50	0.48	0.50	0.48	
ΣΨ	5.4	Drawbar pull laden/unladen (1)	kN	23	25	23	25	30	33	
P.F.O.	5.5	Max. Drawbar pull laden/unladen (2)	kN	48	50	48	50	63	65	
핕	5.6	Gradeability laden/unladen (1)	%	10	18	8	16	10	18	
	5.7	Max. Gradeability laden/unladen (2)	%	20	32	17	33	20	28	
ن ن	6.1	Drive motor rating S2 60 min	kW	46						
ELEC- TRIC	6.3	Battery according to DIN 43531/35/36 A, B, C, no		No		1				
_	0.4	Battery voltage/nominal capacity	V / Ah	363	384	363	384	363	576	
	8.1	Type of drive unit		AC Electric			1/ 1	n D01		
	8.2	Drive axle Manufacturer / Type		Kessler D61			Kessle	ו מעו וו		
	8.4	Service brake Parking brake		Oil-immersed disc Dry disc on drive axle						
	10.1	Operating pressure for attachments	MPa	Dry disc on drive axte						
监	10.2	Oil volume for attachments	l/min	22.5						
OTHER	10.3	Hydraulic tank capacity	ı	135				14	٠0	
	10.4	Steering design		Hydraulic power steering						
	10.5	Number of steering rotation		4.5						
	10.6	Sound pressure level at the driver's seat	dB (A)			Т	BD			
	10.6.1	Sound power level during the working cycle	dB (A)			Т	BD			
	10.7	Towing coupling, model / type		Yes / Pin						

⁽¹⁾ Rated power

All values are nominal values and they are subject to tolerances.

⁽²⁾ Peak power

VDI	219	8 – GENERAL SPECIFICATIONS – EF/DI	F SERIES							
	1.1	Manufacturer		Yale						
GENERAL	1.2	Model designation		ERP140EF		ERP160EF				
	1.3	Power train / Voltage		Ele		tric / 350V				
	1.4	Operator type				Seated				
EN S	1.5	Rated capacity / rated load	Q (kg)	14,0	000		16,000			
_	1.6	Load centre distance	c (mm)			600				
	1.7	Load distance Wheelbase	x (mm) y (mm)			889 3,300				
-	2.1	Service weight (1)	kg	19,5			20,552			
WEIGHT	2.2	Axle loading, laden front / rear	kg	30,668	2,774	33,557	2,695			
ΝE	2.3	Axle loading, unladen front / rear	kg	10,431	9,316	10,412	10,140			
	3.1	Tyres			Pn	eumatic				
	3.2	Tyres size, front			12.00	0-20 20PR				
TYRES	3.3	Tyres size, rear		12.00-20 20PR						
≱	3.4	Wheels, number front / rear (x = driven wheels)		4X / 2						
	3.5	Track width, front	b10 (mm)	1,842 2,000						
	4.1	Track width, rear Mast tilt: forward / backwards	b ₁₁ (mm) α / β (°)	15°	12°	15°	12°			
	4.2	Height of mast lowered (unloaded)	h ₁ (mm)	13		4,193	12			
	4.3	Free lift	h ₂ (mm)			-				
	4.4	Lift height (bottom of forks)	h ₃ (mm)			4910				
	4.5	Height of mast extended (unloaded)	h4 (mm)			6,648				
	4.6	Height of overhead guard (closed cab)	h ₆ (mm)			3,110				
	4.6.1	Height of overhead guard (closed cab w/ airco)	h ₆ (mm)			3,110				
	4.6.2	Height of overhead guard (closed cab w/ strobe light)	h ₆ (mm)			3,205				
	4.6.3	Height of overhead guard (closed cab w/ work lights)	h ₆ (mm)			3,259				
	4.6.4	Height of overhead guard (closed cab w/ airco & strobe light)	h ₆ (mm)			3,235				
	4.7	Seat height (Seat Index Point, ISO 5353) Coupling height	h ₇ (mm) h ₁₀ (mm)			1,903 717				
	4.9	Overhang	ls (mm)			809				
	4.10	Overall length	l1 (mm)			6,828				
v	4.11	Length to face of forks	l ₂ (mm)			4,998				
ž	4.12	Overall width truck	b ₂ (mm)			2,541				
ISN:	4.13	Fork dimensions	s/e/l (mm)	90 / 200	1,830	90 / 200	2,440			
DIMENSIONS	4.14	Carriage type				std pin type				
_	4.15	Carriage width	bs (mm)			2,496				
	4.16 4.17	Distance over fork arms, minimum / maximum Sideshift (min / max)	bs (mm)	470	2420	470	2420			
	4.17	Ground clearance, under mast (w/o load)	bs (mm) m ₁ (mm)			245				
	4.19	Ground clearance, centre of wheelbase	m ₂ (mm)			341				
	4.20	Load size	w x l (mm)			1,200				
	4.20.1	Aisle width (a=10%)	Ast (mm)			7,340				
	4.20.2	Aisle width (a=0)	Ast (mm)			6,673				
		Aisle width (a=200)	Ast (mm)			6,873				
	4.21	Load size	w x l (mm)	1,200	800	1,200	800			
	4.21.1 4.21.2	Aisle width (a=10%) Aisle width (a=0)	Ast (mm)			6,900				
		Aisle width (a=200)	Ast (mm) Ast (mm)			6,273				
	4.21.3	Turning radius (outer)	Wa (mm)	6,473 4,584						
	4.23	Internal turning radius	b ₁₃ (mm)	1,890						
	5.1	Travel speed laden/unladen ⁽²⁾	km/h	24.8						
핑	5.2	Lifting speed laden/unladen	m/s	TBD						
ΑĀ	5.3	Lowering speed laden/unladen	m/s	0.50	0.48	0.50	0.48			
PERFORMANCE	5.4	Drawbar pull laden/unladen (1)	kN	30	33	30	32			
ER	5.5	Max. Drawbar pull laden/unladen (2)	kN	62	65	62	65			
•	5.6	Gradeability laden/unladen (1)	%	9	17	8	16			
-	5.7 6.1	Max. Gradeability laden/unladen (2) Drive motor rating S2 60 min	kW	19	27	46	29			
ELEC- TRIC	6.3	Battery according to DIN 43531/35/36 A, B, C, no	N.T.	46 No						
日卡	6.4	Battery voltage/nominal capacity	V / Ah	363	576	363	576			
	8.1	Type of drive unit				Electric	,			
	8.2	Drive axle Manufacturer / Type		Kessler D81						
	8.3	Service brake		Oil-immersed disc						
	8.4	Parking brake		Dry disc on drive axle						
œ	10.1	Operating pressure for attachments	MPa	22.5						
OTHER	10.2	Oil volume for attachments	l/min	100						
	10.3	Hydraulic tank capacity Steering design	l		Hydraulie	140				
	10.4	Number of steering rotation		Hydraulic power steering 4.5						
	10.6	Sound pressure level at the driver's seat	dB (A)	4.5 TBD						
	10.6.1	Sound power level during the working cycle	dB (A)			TBD				
L	10.7	Towing coupling, model / type			Ye	es / Pin				

⁽¹⁾ Rated power

⁽²⁾ Peak power

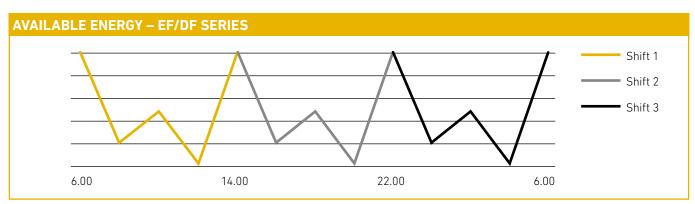
		8 - GENERAL SPECIFICATIONS - EF/D	- JERIES	- V-1	0					
	1.1	Manufacturer Manufacturer's type designation		Yal ERP160						
	1.2	Manufacturer's type designation								
		Powertrain / Voltage		Electric						
		Operator type	Q(kg)	Seat 16,0						
	1.6	Rated capacity / rated load Load centre distance	-							
	1.7		c (mm) x (mm)	1,20 97:						
	1.7	Load distance		3,75						
_		Wheelbase Service weight (1)	y (mm)	24,4						
	2.1	Axle loading, laden front / rear	kg	37,274	3,174					
		Axle loading, taden front / rear	kg	12,002	12,446					
_	3.1	Tyres	kg	Pneun						
	3.2	Tyres size, front		12.00 R 20						
	3.3	Tyres size, rear		12.00 R 20						
	3.4	Wheels, number front / rear (x = driven wheels)		4X / 2						
	3.5	Track width, front	b10 (mm)	2,218						
	3.6	Track width, rear	b11 (mm)	1,994						
_		Mast tilt : forward / backwards	α / β (°)	6°	10°					
		Height of mast lowered (unloaded)	h ₁ (mm)	3,98						
		Free lift	h ₂ (mm)	3,78	,,,					
		Lift height (bottom of forks)	h ₃ (mm)	449	/ ₄					
	4.4	Height of mast extended (unloaded)	h ₄ (mm)	6,23						
	4.6	Height of overhead guard (closed cab)	h ₆ (mm)	3,11						
	4.6.1	Height of overhead guard (closed cab) Height of overhead guard (closed cab w/ airco)	hs (mm)	3,11						
		Height of overhead guard (closed cab w/ airco) Height of overhead guard (closed cab w/ strobe light)	h ₆ (mm)	3,11						
	4.6.3	Height of overhead guard (closed cab w/ strobe tight)	h ₆ (mm)	3,31						
		Height of overhead guard (closed cab w/ work fights) Height of overhead guard (closed cab w/ airco & strobe light)	h ₆ (mm)	3,25						
	4.0.4	Seat height (Seat Index Point, ISO 5353)	h ₇ (mm)	1,90						
		Coupling height	h ₁₀ (mm)	713						
		Overhang	ls (mm)	79						
		Overall length	lı (mm)	7,95						
	4.11	Length to face of forks	l ₂ (mm)	5,51						
		Overall width truck	b ₂ (mm)	2,54						
	4.13	Fork dimensions	s/e/l (mm)	100 / 200	2,440					
		Carriage type	3/6/1 (11111)	Dual Function – Sidesh						
	4.15	Carriage width	b₃ (mm)	2.54	-					
į		DFSSFP carriage 350 mm sideshift	25 (11111)	2,540						
5	4.16	Width over forks (min / max) cylinders inner position	bs (mm)	555	1,045					
		Width over forks (min / max) cylinders outer position	bs (mm)	1,875	2,445					
		Sideshift @ width over forks	bs/bs (mm)	+/-98	2250					
		Sideshift @ width over forks cylinders inner position	bs/bs (mm)	+/-350	1745					
		Sideshift @ width over forks cylinders outer position	bs/bs (mm)	+/-350	1175					
		DFSSFP carriage 468 mm sideshift	08/05 (11111)	+/-330	1175					
		Width over forks (min / max)	bs (mm)	575	2445					
		Sideshift @ width over forks	bs/bs (mm)	+/-98	2250					
		Sideshift @ width over forks	bs/bs (mm)	+/-468	1510					
		Ground clearance, laden, below mast	m ₁ (mm)	+/-400 183	_					
		Ground clearance, cantre of wheelbase	m ₂ (mm)	34						
		Load size		2,400	2,400					
		Aisle width (a=10%)	w x l (mm) Ast (mm)							
		Aisle width (a=10%) Aisle width (a=0)	Ast (mm)	9,430						
		Aisle width (a=200)	Ast (mm)	8,573 9,772						
	4.24.3	Turning radius (outer)	Wa (mm)	8,773 5,200						
	4.26	Internal turning radius	b ₁₃ (mm)	2,02						
	5.1	Travel speed laden/unladen (2)	km/h	24.8	24.8					
	5.2	Lifting speed laden/unladen	m/s	0.39	0.44					
	5.3	Lowering speed laden/unladen	m/s	0.54	0.54					
		Drawbar pull laden/unladen (1)	kN	29	32					
	5.5	Max. Drawbar pull laden/unladen (2)	kN	61	64					
		Gradeability laden/unladen (1)	%	7	14					
		Max. Gradeability laden/unladen (2)	%	16	28					
	6.1	Drive motor rating S2 60 min	kW	46						
ပ		Battery according to DIN 43531/35/36 A, B, C	KIT	No.						
F		Battery voltage/nominal capacity	V / Ah	363	768					
_	8.1	Type of drive unit	7 / / / / /							
	8.2	Drive axle Manufacturer / Type		AC Electric Kessler D81						
	8.3	Service brake		Kessler D81						
	8.4			Oil-immersed / Wet disc Dry disc on drive axle						
		Parking brake	MPa	Dry disc on drive axle						
		Operating pressure for attachments		19.5						
		Oil volume for attachments	l/min	100						
		Hydraulic tank capacity	L	140						
		Steering design		Hydraulic power steering						
		Number of steering rotation	10 (1)	5.4						
	10.6	Sound pressure level at the driver's seat	dB (A)	-						
		Sound power level during the working cycle	dB (A)	- Yes / Pin						
	10.7	Towing coupling, model / type		Voc./	D'					

⁽¹⁾ Rated power

⁽²⁾ Peak power

BATTERY CHARGER SPECIFICATIONS – EF/DF SERIES									
	Charge Rate (kW)	Rating (A)	Enclosure Size			Enclosure		Operating	
Input Voltage			Height (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Charger Plug Cable Length (m)	Range (c)	Manufacturer
	10	16/16	1654 1654	1006.5	503	435	7.62	-20° to 50°	
4004 0 04	36	63/56							
400V, 3 Phase, 50Hz	50	125/78							Bassi
30112	80	125/125		1022	503	975			
	90	250/141		1822					

 $Wall\ power\ cable\ not\ included.\ Enclosure\ Rating\ IP54.\ Equipped\ with\ emergency\ stop\ and\ anti-arc.$



The graph represents the battery state of charge in a 3-shift operation. Based on your application data this graph can be created upon request.

All values are nominal values and they are subject to tolerances.

FEATURES LIST – EF/DF SERIES

Performance modes Kessler D81 drive axle with wet disc brakes DRIVE Speed limiter - unconditional and customer adjustable Travel speed limiter - loaded (adjustable) LIFT STD OP On-demand load sensing hydraulic system 2 Stage Non Free Lift mast 2 Stage Full Free Lift mast 3 Stage Full Free Lift mast Mast tilt Indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection ERGONOMICS STD OP Open operator compartment (without doors and screens) Enclosed operator compartment for service Manual tilt operator compartment for service Manual tilt operator compartment for service Manual tilt operator system Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat Additional armrest on left side	FEATURES LIST – EF/DF SERIES		
Ressier DBI drive axie with wet disc brakes DRIVE STD DRIVE STD OP- STD OP- STD OP- STD OP- STD OP- DRIVE STD OP-	PERFORMANCE	STD	ОРТ
STO OPP Speed limiter - unconditional and customer adjustable Travel speed limiter - loaded (adjustable) STO OP- Travel speed limiter - loaded (adjustable) STO OP- On-demand load sensing hydraulic system STO OP- On-demand load sensing hydraulic system STO Stage Non Free Lift mast STO Stage Full Free Lift mast STO	Performance modes	•	
Foreign limiter - unconditional and customer adjustable Travels peed limiter - loaded (adjustable) STD On-demand load sensing hydraulic system 2 Stage Non Free Lift mast 3 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Stage Full Free Lift mast 6 Stage Full Free Lift mast 7 Stage Full Free Lift mast 8 Stage Full Free Lift mast 9 Stage Full Free Lift mas	Kessler D81 drive axle with wet disc brakes	•	
Travel speed limiter - loaded (adjustable) LIFT STO OP- On-demand load sensing hydraulic system 2 Stage Non Free Lift mast 3 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Stage Full Free Lift mast 7 Stage Full Free Lift mast 8 Stage Full Free Lift mast 9 Stage Full Free Full Full Full Full Full Full Full Fu	DRIVE	STD	ОРТ
On-demand load sensing hydraulic system 2 Stage Full Free Lift mast 3 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Stage Full Free Lift mast 6 Stage Full Free Lift mast 7 Stage Full Free Lift mast 8 Stage Full Free Lift mast 9 Stage Full Free	Speed limiter - unconditional and customer adjustable		•
On-demand load sensing hydraulic system 2 Stage Non Free Lift mast 3 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Stage Full Free Lift mast 6 Stage Full Free Lift mast 7 Pressure compensated lowering 8 Hydraulic accumulator 8 Hydraulic system temperature protection 8 Hydraulic system temperature protection 8 Hogonomics 8 To Oppen operator compartment (without doors and screens) 8 Depen operator cabin 9 Depen operator compartment for service 8 Annual tilt operator compartment for service 9 Stage Stag	Travel speed limiter - loaded (adjustable)		•
2 Stage Non Free Lift mast 2 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Stage Full Free Lift mast 7 Stage Full Free Lift mast 7 Stage Full Free Lift mast 8 Stage Full Free Lift mast 8 Stage Full Free Lift mast 8 Stage Full Free Lift mast 9 Stage Full Face Full Full Full Full Full Full Full Ful	LIFT	STD	OPT
2 Stage Full Free Lift mast 3 Stage Full Free Lift mast 3 Stage Full Free Lift mast 4 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 5 Stage Full Free Lift mast 6 Mast tilt Indicator — mechanical 7 Hydraulic accumulator 7 Pressure compensated lowering 8 Hydraulic system temperature protection 8 Depen operator compartment (without doors and screens) 8 Depen operator compartment for service 8 Depen operator compartment for service 8 Manual tilt operator compartment for service 8 Solated cabin mounting for low noise and vibration 9 Operator presence system 9 Depen operator sesses seat 9 Depen operator sesses seat 9 Delawe air suspension seat 10 Depen operator sesses seat 11 High backrest seat 12 Additional armrest on left side 12 Cloth seat cover 13 Stage Full Free Lift mast 14 Stage Full Full Full Full Full Full Full Ful	On-demand load sensing hydraulic system	•	
Asst till Indicator — mechanical Hydraulic accumulator Hydraulic accumulator Hydraulic accumulator Hydraulic accumulator Hydraulic system temperature protection ERGONOMICS ST0 OPP Depen operator compartment (without doors and screens) Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator sessent Mechanical suspension seat Air suspensions seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Viryl seat cover Viryl seat cover Viryl seat cover Seat heating Seat ventilation Seat ventilation The pattern front wiper The pattern front wip	2 Stage Non Free Lift mast	•	
Mast tilt Indicator — mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection Pressure compensated lowering Hydraulic system temperature protection Prosesure compensated lowering Hydraulic system temperature protection Provence of tilt operator compartment (without doors and screens) Provenced tilt operator compartment for service Provenced tilt operator seat Provenced tilt operator	2 Stage Full Free Lift mast		•
Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection ###################################	3 Stage Full Free Lift mast		•
Pressure compensated lowering Hydraulic system temperature protection BEGONMICS STD OPI Den operator compartment (without doors and screens) Enclosed operator cabin Powered litt operator compartment for service Manual tilt operator compartment for service Manual tilt operator compartment for service Manual tilt operator compartment for service Soslated cabin mounting for low noise and vibration Operator presence system Operator presence system Air suspension seat Low backrest seat Air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Viryl seat cover Viryl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt Front, top and rear wipers H'-pattern front wiper T'-pattern front wiper Laminated glass operator compartment front window Top window with armoured glass + FOPS certified (enclosed operator cabin) Tinted operator compartment windows (all) Tinted operator compartment top window Plexiglass shield in front of front window Wire mesh installed on top of operator compartment Vertical steel bar front window guard Operator shield wire mesh 7' Integrated performance display Touchpoint™ mini levers hydraulic control integrated in control arm Joystick hydraulic control integrated in control arm Joystick hydraulic control integrated in control arm Steering wheel with spinner knob Directional control lever Vale FDC pedal Directional control on Mini-levers or Joystick Park brake — manual Park brake — automatic Interior wide angle mirrors Heater with adjustable speed fan Telescoping and titting steering column	Mast tilt Indicator – mechanical		•
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Heater with adjustable speed fan Telescoping and tilting steering column			•
Telescoping and tilting steering column	-	•	
		•	
DU/DU converter 24 volt/12 volt with socket		•	_
			•
	Automatic climate control		-
reading light •	Reading light	ш	

VISIBILITY	STD	OPT
Exterior mirrors mounted to cab		•
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 and marker lights (LED)	•	
Rear view camera system (2)		•
OPERATION	STD	OPT
Air horn 112 dBA		•
Electric horn 105 dBA	•	
Visible alarm – Amber strobe light, key switch activated	•	
Visible alarm – Amber strobe light, switch and key switch activated (1)		•
Audible alarm – reverse direction activated 82–102 dB(A),	•	
self-adjusting		
Audible alarm – reverse direction white noise		•
Forward / reverse motion alarm		•
Blue LED spotlight – rear / front and rear		•
Tire pressure monitoring system		•
Air-conditioning or automatic climate control off with open door		•
Lockable battery disconnect switch	•	
Truck start with key switch and start button	•	
Operator password (display) for truck start		•
Seatbelt Interlock for truck start		•
Power distribution group with fuses	•	
Fuses partially 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 and outer mast		•
Centralized greasing provision for upper chain sheaves	•	
24 volt electrical system	•	
Steer wheel lug nut protection		•
Front mud flaps		•
Rear mud flaps		•
Lifting eyes – 2 front and 2 rear		•
APPEARANCE	STD	ОРТ
Yale Gold paint base truck	•	
Special paint base truck		•
Operator compartment special paint (outside only)		•
Hazard warning striping on counterweight		•
SUPPLEMENTAL	STD	OPT
Literature package	•	
Operator's manual	•	
CE certification ⁽¹⁾	•	
Warranty: 24 Months / 4,000 Hours extended warranty	•	

All values are nominal values and they are subject to tolerances.

⁽¹⁾ Standard or optional in selected markets. Other options available through Special Products Engineering Department (SPED). Contact Yale for details

⁽²⁾ Rear view camera is std on ERP160EF12



About Yale®

Yale Materials Handling Corporation 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.

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Safety: All Yale products sold into EU countries, UK, and Turkey conform to the EU requirements of Machinery Directive 2006/42/EC and contain CC marking. Yale trucks sold into other countries may be ordered for production in conformance with Machinery Directive requirements, and when so ordered will contain CC marking.

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Notice: Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. Consult your Yale® Dealer if any of the information shown is critical to your application.

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