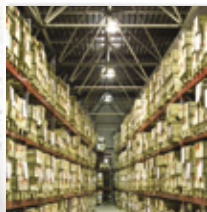
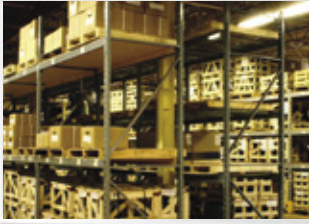


2,500-4,500 lb Capacity
24V And 36V Reach Trucks







Reach With Ease:

Need to go higher? The ESR20N permits loads to be staged at high racking levels, freeing up space in your warehouse. The best news? More space means savings for you. Raise it up.

The High-Flyer

The ESR20N elevates your warehouse productivity to the next level. This high flyer combines competitive lift speeds with precise fork height movement. That means positively towering results for your business.



Control handle:

This intuitive feature makes the reach truck easy to manage. Just move the handle in the direction you want to go. It's that simple.

Low step height:

Low operator floor height allows for easy entry and exit. Come aboard – now get to work.

Geared For Productivity

With the flexible side stance operator compartment and quick-response controls, productivity doesn't get any easier than this. Hop on, and watch efficiency take over.



Display panel:

With all the vital information at your fingertips, you'll know what's going on instantly. Pretty straightforward, isn't it?

A few options to consider:

- **Power hook-up for onboard terminal** – power for scanners, terminals and the other tools of the trade.
- **Lift height encoder** – allows the operator to access a number of premium features such as lift height indicator and shelf selector.

So Reliable, You May Take It For Granted

Reliability comes standard on all Mitsubishi forklift trucks, but that's not all. These features will help keep your truck running, shift after shift.

Alternating Current (AC) drive system: Looking for improved power and energy efficiency? Look no further. With the AC drive system, the ESR20N offers rapid acceleration, precise speed control and smooth directional changes. Get on and go.





Electronic power steering

(EPS): Confined work area? No problem. The ESR20N reach truck has got you covered. EPS provides the precision you need for the tightest turns. Your operator will benefit from the ability to program steering parameters for specific application requirements, too.

High performance hydraulic system:

With the PM-1000 AC hydraulic system, you'll get competitive lift speeds with precise fork height movement. Now that's clear-cut.

A few options to consider:

- **Load wheel and tire options** – match your forklift truck to your floor conditions.
- **Integral sideshifter** – precise positioning of loads in the rack, every time.

Slip-resistant, ergonomic floor pad:

No slips allowed here. This floor pad is designed to increase circulation, reduce operator fatigue and increase productivity, helping to keep you safe and comfortable.

Enhanced visibility: Narrow, angled cross bars on the overhead guard are designed to improve visibility of overhead pick locations. What a view!

Seriously...

We're all for fun, but this is no laughing matter. Each Mitsubishi forklift truck is designed to help maximize the well-being of your operators. Enough said.





A few options to consider:

- **Overhead guard covers (wire mesh or plexiglass)** – great if handling small items that may fall through the overhead guard.
- **Light options** – maximize the visibility of the truck in your application.
- **Rear post and hip extension** – may be used in applications where horizontal rack beams for the first level are above the chassis and below the overhead guard.

Green: it just grows on you.



When we think about your environment, we also think about the environment.

More than ever before, businesses are turning to electric forklifts for their material handling needs because they don't produce harmful emissions, yet feature similar performance to their internal combustion counterparts.

No fossil fuels, no fumes, no wonder more companies are relying on electric products from Mitsubishi Forklift Trucks.

Mitsubishi Heavy Industries is on the leading edge of green technology:



Wind turbines



CO₂ recovery



Public transportation



ISO 14001 manufacturing facilities

The 24V High-Flyers

CHARACTERISTICS				ESR15N	ESR18N
1	Type				single
2	Power voltage				
3	Capacity	at rated load center	lb	kg	3,000 / 1,400
4		at load center – distance	in	mm	3,500 / 1,600
Dimensions					
5	Maximum fork height with triplex mast		in	mm	
6	Free fork height with maximum height triplex mast		in	mm	
7	Fork width x thickness		in	mm	3.9 x 1.4 / 100 x 35.0
8	Fork spacing	out-to-out minimum / maximum	in	mm	
9	Tilt	forward / backward		deg	
10	Baseleg opening (BLO)		in	mm	
11	Baseleg width		in	mm	4.75 / 120
12	Overall length		in	mm	75.9 / 1,930
13	Length to fork face		in	mm	53.8 / 1,370
14	Overall chassis width		in	mm	
15	Overall lowered height with maximum triplex mast		in	mm	
16	Overall lowered height to top of overhead guard		in	mm	
17	Overall height with extended maximum triplex mast		in	mm	
18	Battery roller height		in	mm	
19	Minimum outside turning radius		in	mm	
20	Load wheel centerline		in	mm	
21	Grade clearance [3]		%		13.7
Performance					
22	Speeds	travel speed tractor first / forks first	mph	km/h	6.2/6.0 / 9.9/9.6
23		lift speed loaded / empty (triplex)	fpm	mm/s	42.0/64.0 / 0.21/0.32
24		lowering speed loaded / empty (triplex)	fpm	mm/s	40.0/64.0 / 0.20/0.32
25	Maximum fork height with rated load		in	mm	
26	Maximum gradeability loaded / empty		%		
Weight					
27	Empty	w/ minimum weight battery	lb	kg	7,525 / 3,420
28	Battery weight minimum / maximum		lb	kg	7,550
Chassis					
29	Wheel base		in	mm	61.5 / 1,560
30	Ground clearance	center of wheel base	in	mm	
31		lowest point at mast	in	mm	
32	Brake type				
Electrical					
33	Traction motor, Pump motor & Steer motor type				
34	Traction motor output (60 minute rating)		kW	HP	
35	Pump motor output (5 minute rating)		kW	HP	
36	Steer motor output (60 minute rating)		kW	HP	
37	Battery maximum capacity (60 minute rating)		A/H		
38	Battery compartment dimensions (length x width x height)		in	mm	

NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). (See ANSI/ITSDF B56.1.)

ESR20N	EDR13N	ESS15N	ESS20N
	deep		straddle
24			
4,000 / 1,800	2,500 / 1,200	3,000 / 1,400	4,000 / 1,800
24 / 600			
270 / 6,850			
84.0 / 2,135			
3.9 x 1.6 / 100 x 40.0	3.9 x 1.4 / 100 x 35.0		3.9 x 1.6 / 100 x 40.0
10.0/31.5 / 254/800			
3° / 4°			
33.0-49.0 / 835-1,240			
/ 140		5.5 / 127	
	84.8 / 2,155		75.9 / 1,930
54.1 / 1,375	62.1 / 1,580	53.8 / 1,370	54.1 / 1,375
40.9 / 1,039			
119 / 3,030			
94.0 / 2,390			
318 / 8,100			
6.2 / 158			
70.8 / 1,800			
5.3 / 133			
	12.3		13.7
6.0/5.8 / 9.6/9.3	6.2/6.0 / 9.9/9.6		6.0/5.8 / 9.6/9.3
38.0/64.0 / 0.19/0.32	42.0/64.0 / 0.21/0.32		38.0/64.0 / 0.19/0.32
110/90.0 / 0.55/0.45			
240 / 6,050			
5.0 / 8.0			
/ 3,445	8,300 / 3,760	6,600 / 2,995	6,650 / 3,020
1,700/2,000 / 775/910			
	68.0 / 1,720		61.5 / 1,560
2.0 / 51.0			
2.0 / 51.0			
electric disc			
AC induction			
3.5 / 4.7			
5.0 / 6.7			
0.6 / 0.8			
1,395			
14.25 x 38.58 x 31.65 / 361 x 980 x 804			

Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your forklift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

The 36V High-Flyers

CHARACTERISTICS				ESR15N	ESR18N
1	Type				
2	Power voltage				
3	Capacity	at rated load center	lb kg	3,000 / 1,400	3,500 / 1,600
4		at load center – distance	in mm		
Dimensions					
5	Maximum fork height with triplex mast		in mm	270 / 6,850	
6	Free fork height with maximum height triplex mast		in mm	84.0 / 2,135	
7	Fork width x thickness		in mm	3.9/1.4 / 100/35.0	
8	Fork spacing	out-to-out minimum / maximum	in mm		
9	Tilt	forward / backward	deg		
10	Baseleg opening (BLO)		in mm		
11	Baseleg width		in mm	4.75 / 120	
12	Overall length		in mm	75.9 / 1,930	78.0
13	Length to fork face		in mm	53.8 / 1,370	55.8
14	Overall chassis width		in mm		
15	Overall lowered height with maximum triplex mast		in mm	119 / 3,030	
16	Overall lowered height to top of overhead guard		in mm		
17	Overall height with extended maximum triplex mast		in mm	318 / 8,100	
18	Battery roller height		in mm		
19	Minimum outside turning radius		in mm	70.8 / 1,800	72.8
20	Load wheel centerline		in mm		
21	Grade clearance [3]		%	13.7	
Performance					
22	Speeds	travel speed tractor first loaded / empty	mph km/h	7.5/7.0 / 12.0/11.2	
23		travel speed forks first loaded / empty	mph km/h	7.5/7.0 / 12.0/11.2	7.5/6.8 / 12.0/10.9
24		lift speed loaded / empty (triplex)	fpm mm/s	64.0/95.0 / 0.32/0.47	58.0/95.0 / 0.47/0.55
25		lowering speed loaded / empty (triplex)	fpm mm/s		
26	Maximum fork height with rated load		in mm	258 / 6,550	
27	Maximum gradeability loaded / empty		%	7.0 / 9.0	
Weight					
28	Empty	w/ minimum weight battery	lb kg	7,700 / 3,500	8,000 / 3,650
29	Battery weight minimum / maximum		lb kg	1,700/2,00 / 775/910	
Chassis					
30	Wheel base		in mm	61.5 / 1,560	63.5
31	Ground clearance	center of wheel base	in mm		
32		lowest point at mast	in mm		
33	Brake type				
Electrical					
34	Traction motor, Pump motor & Steer motor type				
35	Traction motor output (60 minute rating)		kW HP		
36	Pump motor output (5 minute rating)		kW HP		
37	Steer motor output (60 minute rating)		kW HP		
38	Battery maximum capacity (60 minute rating)		A/H	775	
39	Battery compartment dimensions length		in mm	14.25 / 361	
40	Battery compartment dimensions width		in mm		
41	Battery compartment dimensions height		in mm		

NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). (See ANSI/ITSDF B56.1.)

ESR20N	ESR23N	EDR13N	EDR15N	ESS15N	ESS20N
single			deep		straddle
36					
4,000 / 1,800	4,500 / 2,000	2,500 / 1,200		3,000 / 1,400	4,000 / 1,800
24 / 610					
318 / 8,050	330 / 8,350	270 / 6,850	330 / 8,350		270 / 6,850
104 / 2,640	114 / 2,900	84.0 / 2,135	114 / 2,900		84.0 / 2,135
3.9/1.6 / 100/40.0			3.9/1.4 / 100/35.0		3.9/1.6 / 100/40.0
10.0/31.5 / 254/800					
3° / 4.5°					
33.0-49.0 / 839-1,245					
5.5 / 140		4.25 / 108	5.0 / 127	4.25 / 108	5.0 / 127
/ 1,985	79.3 / 2,015	84.8 / 2,155	86.8 / 2,205	75.9 / 1,930	78.0 / 1,985
/ 1,420	57.1 / 1,455	62.1 / 1,580	64.1 / 1,630	53.8 / 1,370	55.8 / 1,420
40.9 / 1,039					
139 / 3,540	149 / 3,790	119 / 3,030	149 / 3,790		119 / 3,030
94.0 / 2,390					
366 / 9,300	378 / 9,650	318 / 8,100	378 / 9,650		318 / 8,100
6.2 / 158					
/ 1,850	74.1 / 1,885	77.1 / 1,960	79.1 / 2,010	70.8 / 1,800	72.8 / 1,850
6.2 / 158					
13.2	12.9	12.3	11.9	13.7	13.2
7.5/6.8 / 12.0/10.9	7.5/6.5 / 12.0/10.4		7.5/7.0 / 12.0/11.2		7.5/6.8 / 12.0/10.9
7.5/6.5 / 12.0/10.4	7.5/6.0 / 12.0/9.6		7.5/7.0 / 12.0/11.2		7.5/6.5 / 12.0/10.4
54.0/95.0 / 0.27/0.47	50.0/95.0 / 0.25/0.47		75.0/90.0 / 0.37/0.45	64.0/95.0 / 0.32/0.47	54.0/95.0 / 0.27/0.47
110/90.0 / 0.55/0.45					
540 / 6,050			258 / 6,550		240 / 6,050
9.0 / 9.0			7.0 / 7.0		
8,500 / 3,850	9,100 / 4,150	8,400 / 3,825	9,400 / 4,250	6,800 / 3,100	7,200 / 3,275
2,000/2,300 / 910/1,050		1,700/2,000 / 775/910	2,000/2,300 / 910/1,050	1,700/2,000 / 775/910	2,000/2,300 / 910/1,050
/ 1,615	65.0 / 1,645	68.0 / 1,720	7.0 / 1,775	61.5 / 1,560	63.5 / 1,615
2.0 / 51.0					
2.0 / 51.0					
electric disc					
AC induction					
5.1 / 6.8					
11.0 / 14.7					
0.4 / 0.5					
1,240		775	1,240	775	1,240
16.25 / 412		14.25 / 361	16.25 / 412	14.25 / 361	16.25 / 412
38.58 / 980					
31.65 / 804					

Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your forklift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

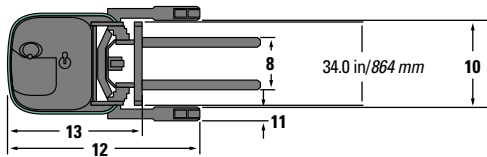
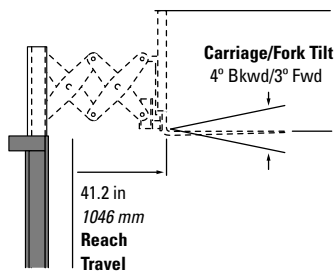
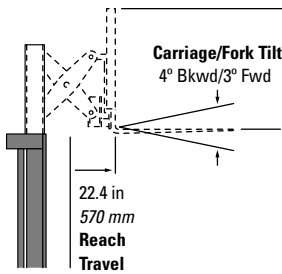
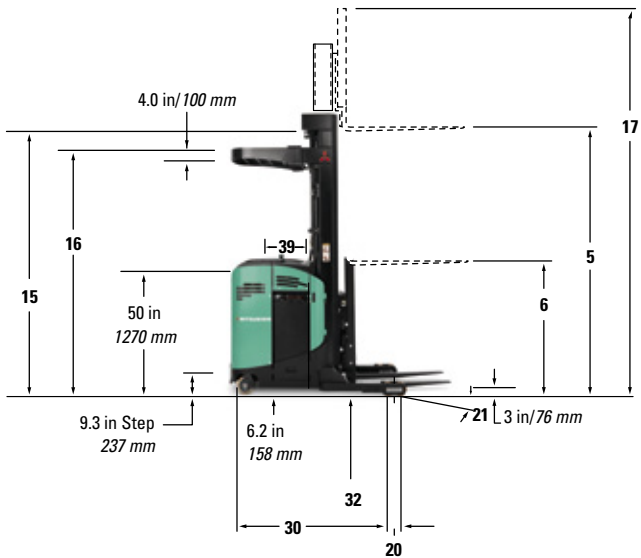
Safety Standards

These trucks meet American National Standards Institute / Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1. UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only; Type E, EE (optional, Industrial Trucks. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks, including type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

Call-out numbers shown in the diagram to the right correspond to the first column of the specifications chart.





Service with a smile:

500-hour service intervals helps you save on maintenance costs with less downtime for service. One more reason to smile.

Winning warranties:

We've got you covered with parts and labor for all systems for one year and an additional year for all powertrain components. Just 365 more reasons to relax.

Plenty of parts:

From genuine Mitsubishi forklift truck parts to Promatch® parts for any forklift model, we're your single source.

We Stand Behind Our Products

The ESR20N and the rest of the Mitsubishi Forklift Truck line-up are backed by some of the industry's best services. Our programs – just like our forklifts – deliver great value.

2,500-4,500 lb Capacity 24V And 36V Reach Trucks



Ready. Reliable.
Right On The Money.

Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network, located throughout North and South America.

Don't forget to ask your local dealer about details on:

- Factory retail programs
- Financing plans to meet your individual needs
- Additional options and dealer services

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