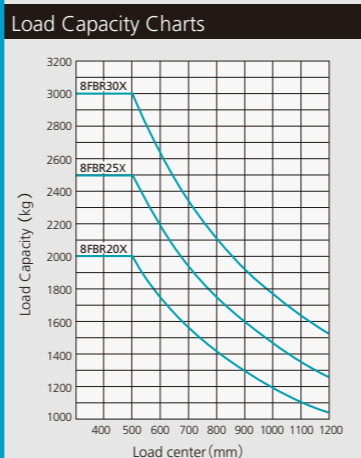
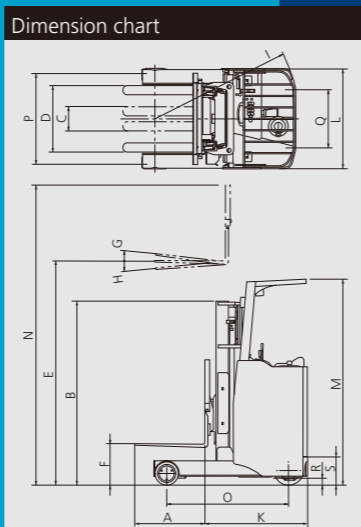
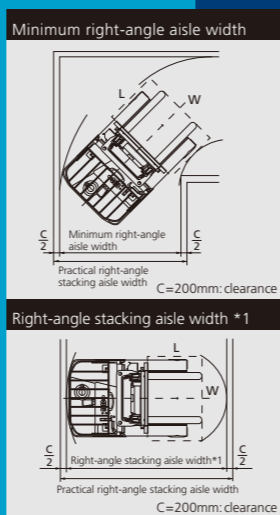


Specifications		* front : front battery removal side : side battery removal					
Model/Type		2.0 ton		2.5 ton		3.0 ton	
Item/Symbol		8FBR20(T)X	8FBR20L(T)X	8FBR25(T)X	8FBR25L(T)X	8FBR30(T)X	
		standard	high stacking	standard	high stacking	standard	
Performance	Maximum load capacity	2,000		2,500		3,000	
	Standard load center	500		500		500	
	Standard lifting height	E	3,000	4,000	3,000	4,000	3,000
	Free lift	F	150 (1,030)		150 (1,030)		155 (1,025)
	Reach stroke		* front 700 / side 680		865		865
	Tilting angle (up/down)	G/H	5° / 3°				
	Travel speed	(Laden)	10.0		9.5		9.0
		(Unladen)	11.5		11.5		11.0
	Lifting speed	(Laden)	300		280		220
		(Unladen)	500		500		420
Minimum turning radius (outer)	I	1,780		1,955		2,055	
Dimensions	Overall length (with fork)	A+K	* front 2,190 / side 2,205		* front 2,195 / side 2,205		2,300
	Overall width	L	1,165		1,220		1,220
	Mast lowered height	B	1,995	2,620	1,995	2,620	2,020
	Max mast height w/backrest	N	3,940	4,940	3,940	4,940	3,945
	Head guard height	M	2,300				
	Step height	S	350				
	Fork length	A	920				
	Fork spread width (maximum)	D	780				
	Fork spread width (minimum)	C	255				
	Wheel base	O	1,525		1,700		1,800
	Tread (front/rear)	P/Q	1,044 / 715		1,086 / 715		1,086 / 715
	Minimum ground clearance	R	85				
	Vehicle weight	kg	2,925 (3,100)	3,125 (3,190)	3,090 (3,260)	3,290 (3,350)	3,325 (3,490)
	Front wheel		urethane; φ267×114		urethane; φ267×135		urethane; φ267×135
	Drive wheel		Rubber; φ394×152				
Caster wheel		Rubber; φ204×74		Rubber; φ204×74		urethane; φ204×74	
Electrical components	Travel motor	Control type	MOS inverter				
		Output	5.2				
	Hoist motor	Control type	IGBT chopper				
		Output	11.0				
	Steering motor	Control type	FET chopper				
Output		0.3					
Rechargeable battery	Voltage × Capacity	48 × 312		48 × 312		48 × 370	



Aisle width (unit: mm)		Pallet length: L, Pallet width: W		Intersecting (IA) and Right-angle aisle width					Right-angle stacking (SA) aisle width *1							
Model	Mast	Battery	L	W	800	1,000	1,000	1,000	1,100	1,100	1,100	1,000	1,000	1,000	1,100	
2.0 ton	Standard / Semi-free	8FBR20X	*312/370Ah	1,800	1,100	1,000	1,100	1,200	1,100	1,100	1,100	2,410	2,500	2,530	2,570	2,600
		8FBR20LX	440Ah	1,800	1,800	1,810	1,830	1,820	2,450	2,550	2,580	2,620	2,620	2,660	2,660	2,660
	3-stage full-free	8FBR20TX	*312/370Ah	1,800	1,800	1,810	1,830	1,810	2,440	2,530	2,570	2,600	2,640	2,640	2,640	2,640
		8FBR20LTX	440Ah	1,800	1,800	1,810	1,840	1,820	2,480	2,590	2,620	2,650	2,700	2,700	2,700	2,700
2.5 ton	Standard / Semi-free	8FBR25X	*312/370Ah	1,880	1,100	1,000	1,100	1,200	1,100	1,100	1,100	2,520	2,560	2,600	2,640	2,660
		8FBR25LX	440Ah	1,880	1,880	1,890	1,910	1,890	2,550	2,610	2,650	2,690	2,720	2,720	2,720	2,720
	3-stage full-free	8FBR25TX	*312/370/440Ah	1,880	1,880	1,890	1,910	1,890	2,570	2,640	2,680	2,720	2,720	2,750	2,750	2,750
		8FBR25LTX	476Ah	1,880	1,880	1,890	1,920	1,900	2,570	2,640	2,680	2,720	2,720	2,750	2,750	2,750
3.0 ton	Standard / Semi-free	8FBR30X	*370/440/476Ah	1,930	1,100	1,000	1,100	1,200	1,100	1,100	1,100	2,620	2,660	2,700	2,750	2,760
		8FBR30TX	3-stage full-free	1,930	1,930	1,940	1,970	1,940	2,620	2,720	2,760	2,800	2,820	2,820	2,820	2,820



The model marked with * is a standardized one.
*1: The width of the aisle is for loading work at right angles regulated by JIS D 6202.

- The following "Environmental specs." options are available.
- Fisheries-use spec. model (Up to -10°C)
 - General freezer refrigerator spec. model (Up to -35°C/-45°C)
 - Fisheries-use freezer refrigerator spec. model (Up to -35°C/-45°C)
 - Anti-rust spec. model ● Anti-dust spec. model



For the forklift driver operations, inspection and maintenance, always read the instruction manual and follow the instructions correctly.

Manufactured by
SUMITOMO NACCO MATERIALS HANDLING CO., LTD.
2-75, Daitoh-cho, Obu-shi, Aichi-ken, 474-8555 JAPAN
Phone: 81-562-48-5251 Fax: 81-562-48-5396

We offer personalized after service and looking forward to see you.

*The actual features and specifications may differ from those described in the catalog.
*The color of the photographs in this catalog may differ slightly from the actual color depending on the ink quality.

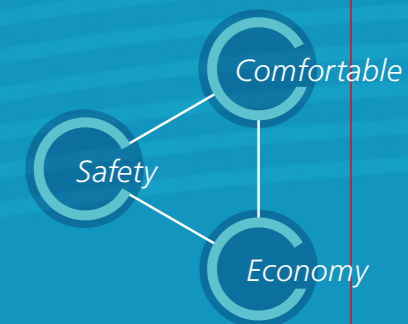
SUMITOMO

Reach-type Battery Forklift Trucks

2.0 TON — 3.0 TON

8FBR 20·25·30 X
8FBR 20·25 LX

FBR-E



Efficient performance, light and easy controls, reliable safety features,
and an advanced design to meet the latest requirements
— SUMITOMO "Reach-type" Forklift line-up looks to the future to keeps out in front.



SUMITOMO NACCO MATERIALS HANDLING SALES CO., LTD.
2-18, Heiwajima 3-chome, Ota-ku, Tokyo, 143-0006 JAPAN
Phone: 81-3-6404-3262 Fax: 81-3-6404-3272

CODE
ER-02A

Powerful & Smart

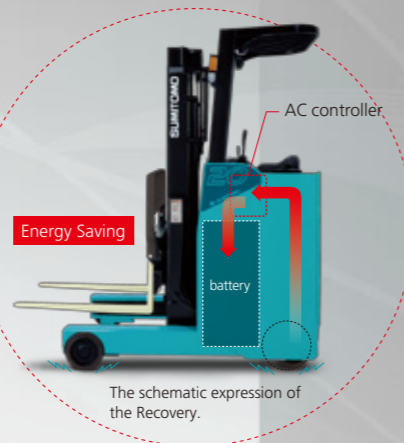
Powerful and smart SUMITOMO Reach Forklift will innovate warehouse-logistics.

Comfortable

Comfortable operation in wide range from powerful to delicate will be assured by the maximum utilization of the characteristics of smooth rotation of an AC motor. Also the machine realizes excellent economic efficiency by the Regenerative System of the AC Controller.

Regenerative System

The system realizes long duration and energy saving operation by regenerative braking energy into the battery as the machine slows down. Also as the system leads to reduction of the load on the parts of the brake system, their operation life will extend.



Economy

Unified management of simple operations contributes to reduce maintenance cost.

Standard display



- Digital clock (alarm function)
- Remaining battery display
- Power mode level display
- Hour meter display (total time/key ON time/travel time)
- Speed limiter setting display
- Forklift operation maintenance data (total time *for 5 days)
- Operator setting mode display



Full-function display Option

Function/display added to standard display

- Digital clock (year, month, date, day/AM, PM/alarm function)
- Hour meter display (total time/key ON time/travel time/load operation time/distance)
- Speed limiter setting display (show set speed)
- Forklift operation maintenance data (total time/battery charge time/travel time/load operation time/distance *for 9 days)

Full-function display-unique options

- Password entry
- PCS (Shock-less load operation, Automatic lift stop, Automatic horizontal stop)

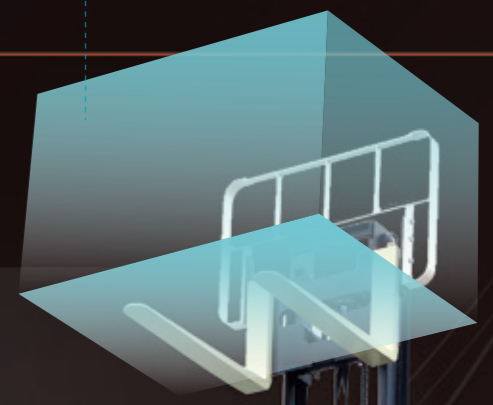


▼ Convenient layout of controls
The ergonomic layout of levers, steering wheel and switch controls is designed for ease of operation and greater operator comfort.

No load reductions at high lifting.

	~ 4.0m	~ 4.3m	~ 5.0m
2.0t	STD		HS
2.5t	STD		HS
3.0t	STD	STD (triplex)	-

STD: standard / HS: high stacking
*Load Center 500mm



Up to 4.0m, no load reduction.

► Better stability in turning
By restraining the inclination and floating of the vehicle as it is turning, the machine will provide the operator with safe and comfortable operation.

Main Accessories

	Standard specs / accessories	Optional specs / accessories		Standard specs / accessories	Optional specs / accessories
Comfortability	Travel AC motor	Large diameter steering wheel	Safety	Travel and load handling interlock	LED headlights
	Hoist DC motor			Neutral start	LED auto lights (light sensitive type)
	Soft landing			Anti-rollback	LED rotating light
	High-visibility wide mast			Headlights	Work light / Room light (LED type / electric bulb type selection is available)
	Small diameter steering wheel			Turning indicators	Anti-skid traction control
	Manifest clip			Back buzzer	Traction control
Economy	Travel speed/power adjustment/speed limiter			PCS *2	
	Display*1	LCD display		Full function display (Full-dot LCD)	
	Battery	Auto power off		BDI interrupt (stop hoisting at over discharging)	
		Neutral brake switchback regeneration		Spare battery	
				Battery carrier	

*1: For the standard and full function display; refer to "Economy" (in this page) for details. *2: Performs shock-less start to finish loading/unloading, auto-stop at maximum height, and horizontal auto-stop.

Mast

Max. lifting height	2.0-2.5 ton									3.0 ton		
	Mast type	8FBR20-25X			8FBR20-25LX			8FBR30X				
		standard	semi-free	triplex	standard	semi-free	triplex	standard	semi-free	triplex		
2,500	○	○						○	○			
2,700	○	○						○	○			
3,000	●	○						○	○			
3,300	○	○						○	○			
3,500	○	○						○	○			
3,700	○	○						○	○			
3,800	○	○	○					○	○			
4,000	○	○	○	●	○	○	○	○	○	○		
4,300	○	○	○	○	○	○	○	○	○	○		
4,500	○	○	○	○	○	○	○	○	○	○		
5,000	○	○	○	○	○	○	○	○	○	○		
5,300		○			○			○		○		
5,600		○			○			○		○		
5,700										○		
6,000										○		
**8,000										○		

*Special order will be needed for the product with the mast lifting over 6,000 (6,500/7,000/7,500/8,000), please feel free to contact us for detailed information.

Safety

► Standardized travel & load interlock device is mounted
Travel and load handling operations are locked while the operator is away. The presence or non-presence of the operator is detected by the riding sensor, operation from outside the forklift is locked even when the key is on. While the load handling operations are locked, lift-down operation is locked.

