

QuaPro-R

Electric Reach Forklift Trucks

2.0 TON — 3.0 TON

8FBR 20·25·30(L)XII

8FBR 20·25·30(L)J XII

Safety

Comfortable

Economy



*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 keep out in front.



SUMITOMO

Human Sensible

Intuitive operation with man-machine feeling

The design concept of human-machine integration continues to thrive in this newly developed 2-3ton model of the QuaPro-R series.

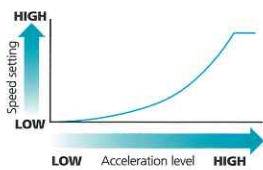
Operators can enjoy enhanced feelings of natural and comfortable operation in response to their commands, leading to improved load-handling efficiency and increased overall productivity.

1. Comfortable

Smooth manipulation feeling

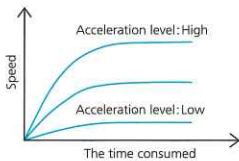
The characteristics of travel acceleration

Materialized the comfortable maneuver in streamlining all aspects of the speed range from low to high.



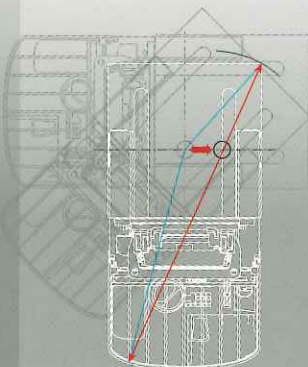
The characteristics of travel acceleration

Improved the maneuverability in low and medium speed range; the modest speed in inching operation like setting a delicate position, quick for an agile start.



Inching performance for loading and unloading

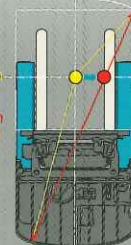
Changed the characteristics for more delicate operation by widening the low-speed range of the lift valve. Also, changed the loading and unloading motor from DC to AC use. The change made both good response and easy inching compatible by optimizing the start control of the motor.



“AWC (small turning radius control)” Patented

Sumitomo's patented technology Aisle Width Control (AWC/small turn radius control), making an expert's possible for anybody. The operator could easily work without frequent switch back.

- The turning center in AWC turning mode
- The turning center in AWC stacking mode

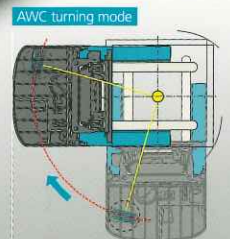


Additional room of the aisle made by stacking mode

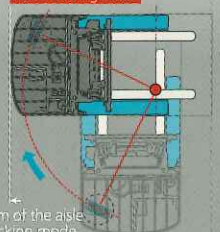


Lowered floor
Reduces fatigue during getting on and off

320mm
(30mm lower than previous models)



AWC stacking mode



2. Economy

7-percent energy savings achieved

Thorough study of the previous model, such as introducing an AC motor for load handling, adding a turning-control function, and improving the hydraulic equipment efficiency, has resulted in 7-percent energy savings.

*In-company test value using our driving pattern and power-mode 1

Operation time increased by 30 minutes

Prolong of approximately 30 minutes in operating time compared to our previous model is realized by reducing power consumption. The energy savings provide benefits in various situations, such as less recharging times and less worries for unexpected additional work.

3. Safety

Turning speed control

The torque of the drive motor is controlled according to the amount of steering operation. As a result, dangerous speed is controlled while the forklift is turning, reducing the possibility of hazardous events such as a tip-over. In addition, unnecessary acceleration is prevented, this contributes to energy saving. The control is optimized according to the amount of steering operation, therefore operability is not sacrificed.



Slope speed limiter

The slope speed limiter, which controls unwanted acceleration on down-slopes, is standard equipment. The control records the speed when the accelerator pedal is in the neutral position and maintains a constant speed on a down-slope.



Beep! the sound is to warn the dangerous [abrupt] operation.

Forklift Option The Alert of Dangerous Operation

The device tells the operator that the operation is dangerous with buzzing sound, of abrupt "Sudden acceleration," "Sudden deceleration," "Sudden turning" while the machine is at the work. (the threshold can be adjustable.)

It is available to set the threshold individually for abrupt "acceleration /deceleration" and "turning."

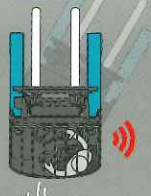
Abrupt brake



Abrupt start



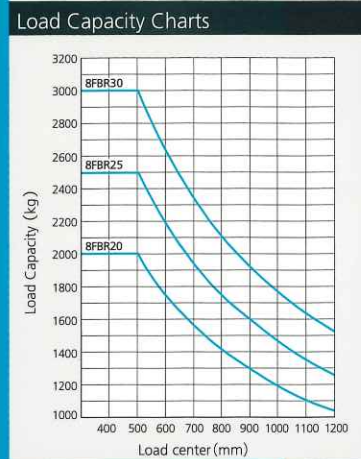
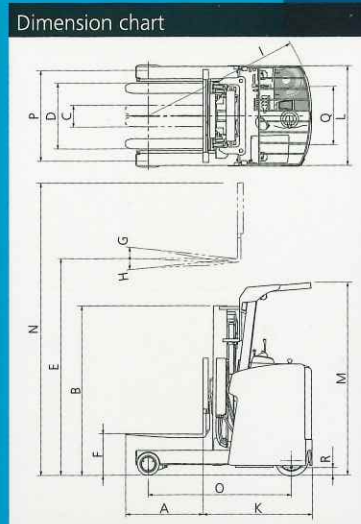
Abrupt turn



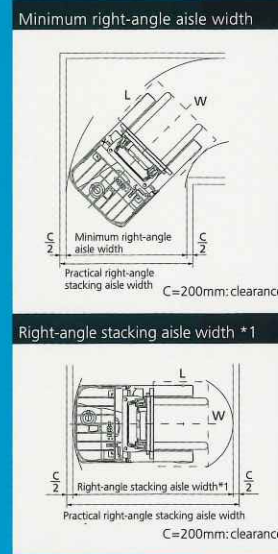
	2.0t	2.5t	3.0t
9.5m	---	OPT	---
8.0m	OPT	OPT	---
7.5m	OPT	OPT	---
7.0m	OPT	OPT	---
6.5m	OPT	OPT	---
6.0m	OPT	OPT	OPT

Available lifting height

Specifications			*side battery removal						
Model/Type			2.0 ton		2.5 ton		3.0 ton		
Item/Symbol			8FBR20XII	8FBR20LXII	8FBR25XII	8FBR25LXII	8FBR30XII		
			8FBR20JXII*	8FBR20LJXII*	8FBR25JXII*	8FBR25LJXII*	8FBR30JXII*		
Dimensions	Maximum load capacity	kg	2,000		2,500		3,000		
	Standard load center	mm	500						
	Standard lifting height	mm E	3,000		3,000		4,000		
	Free lift	mm F	150						
	Tilting angle (up/down)	deg G/H	5° / 3°						
	Fork length	mm A	920						
	Fork spread width	mm D/C	maximum 780 / minimum 250						
	Overall length (with fork)	mm A+K	2,210				2,310		
	Reach stroke	mm	665		840				
	Overall width	mm L	1,190		1,210				
	Mast lowered height	mm B	1,995	2,620	1,995	2,620	2,020		
	Max mast height w/backrest	mm N	3,950	4,950	3,950	4,950	3,955		
	Head guard height	mm M	2,270						
	Performance	Travel speed	(Laden)	9					
(Unladen)			9.5						
Lifting speed		(Laden)	315		295		245		
		(Unladen)	500		500		415		
Vehicle weight		kg	2,960	3,130	3,010	3,175	3,200		
			3,040*	3,220*	3,105*	3,270*	3,250*		
Travel device		Tires	Front wheel	Urethane; φ267×114				Urethane; φ267×135	
			Drive wheel	Rubber; φ394×152					
			Caster wheel					Rubber; φ204×74	
		Wheel base	mm O	1,525		1,700		1,800	
	Tread		Front	1,080		1,075			
		Rear	725						
	Minimum ground clearance	mm R	90						
Drive device	Voltage / Ah	V/Ah	48 / 312				48 / 370		
	Travel motor	Output	5.2						
		Control type	FET inverter						
	Hoist motor	Output	9.6						
Control type		FET inverter							
Steering motor	Output	0.3							
	Control type	FET chopper							



Aisle width (unit: mm) Pallet length: L, Pallet width: W			*The table below indicates the value during AWC (small turn radius control) "Stacking Mode".										
Model	Mast	Battery	Intersecting (IA) and Right-angle aisle width					Right-angle stacking (SA) aisle width *1					
			L	800	1,000	1,000	1,000	1,100	800	1,000	1,000	1,000	1,100
2.0 ton	Standard	Front draw Battery	*312/370Ah	1,100	1,000	1,100	1,200	1,100	1,100	1,000	1,100	1,200	1,100
			440Ah	1,800	1,800	1,810	1,830	1,820	2,300	2,450	2,470	2,490	2,560
			476Ah	1,800	1,800	1,810	1,830	1,820	2,380	2,530	2,550	2,580	2,650
			*312/370Ah	1,800	1,800	1,810	1,830	1,820	2,380	2,530	2,550	2,580	2,650
			440Ah	1,800	1,800	1,810	1,830	1,820	2,380	2,530	2,550	2,580	2,650
			476Ah	1,800	1,800	1,810	1,830	1,820	2,400	2,560	2,580	2,600	2,670
2.5 ton	Standard	Side Battery	*312/370Ah	1,890	1,890	1,900	1,910	1,900	2,320	2,450	2,470	2,500	2,560
			440Ah	1,900	1,890	1,900	1,910	1,910	2,380	2,530	2,550	2,580	2,650
			476Ah	1,900	1,890	1,900	1,910	1,910	2,380	2,530	2,550	2,580	2,650
			*312/370/440Ah	1,900	1,890	1,900	1,910	1,910	2,380	2,530	2,550	2,580	2,650
			476Ah	1,900	1,890	1,900	1,920	1,910	2,410	2,560	2,580	2,600	2,670
			476Ah	1,900	1,890	1,900	1,920	1,910	2,410	2,560	2,580	2,600	2,670
3.0 ton	Standard	Side Battery	*370/440/476Ah	1,950	1,940	1,950	1,960	1,950	2,400	2,540	2,560	2,590	2,650
			*370/440/476Ah	2,100	2,100	2,110	2,120	2,120	2,470	2,630	2,650	2,670	2,740
2.0 ton	Standard	Side Battery	*312/370/440Ah	1,800	1,800	1,810	1,820	1,810	2,300	2,450	2,470	2,490	2,560
			*312/370/440Ah	1,800	1,800	1,810	1,830	1,820	2,380	2,530	2,550	2,580	2,650
2.5 ton	Standard	Side Battery	*312/370/440Ah	1,890	1,890	1,900	1,910	1,900	2,320	2,450	2,470	2,500	2,560
			*312/370/440Ah	1,900	1,890	1,900	1,910	1,910	2,380	2,530	2,550	2,580	2,650
3.0 ton	Standard	Side Battery	*370/440Ah	1,950	1,940	1,950	1,960	1,950	2,400	2,540	2,560	2,590	2,650
			*370/440Ah	2,100	2,100	2,110	2,120	2,120	2,470	2,630	2,650	2,670	2,740



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

ISO 9001
ISO 14001
BUREAU VERITAS
Certification

SUMITOMO NACCO FORKLIFT CO., LTD., the manufacturer of forklifts and logistic equipment, is the company obtained the approval of ISO9001 and ISO14001.

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

Manufactured by
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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.



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