

## EFFECTO FG20/25 Technology Specification

<b>Specification</b>	1	Manufacturer				TEU	
	2	Model			Power shift T/M	<b>FG20T</b>	<b>FG25T</b>
					Manual shift T/M	<b>FG20C</b>	<b>FG25C</b>
	3	Load capacity			kg	2000	2500
	4	Load center			mm	500	
	5	Power unit				gasoline/LPG	
	6	Operator type				Driver/seat	
	7	Tire type				Pneumatic	
8	Wheel		Front/rear		2/2		
<b>Dimensions</b>	9	Max. lifting height (VM300)			mm	3000	
	10	Free lift (VM300)			mm	160	
	11	Fork size	LxWxT		mm	1070*122*40	
	12	Tilt range	Mast forward/backward		deg	6/12	
	13	Overall length(without fork)			mm	2460	2530
	14	Total width			mm	1150	
	15	Mast height (VM300 fork lowering)			mm	1995	
	16	Overall height fork raised (VM300 with backrest)			mm	4030	
	17	Height to head guard			mm	2120	
	18	Turning radius(outside)			mm	2170	2240
	19	Front face of fork to front axle			mm	450	450
	20	Min. right angle stacking aisle			mm	2615	2690
<b>Performance</b>	21-23	Speed	Max Travelling	full load/no load	km/h	17/19	
			Lifting	full load/no load	mm/s	550/580	
			Lowering	full load/no load	mm/s	450/550	
	24	Max.drawbar pull	power shift T/M	full/no load	Kg	1650/830	
			manual shift T/M	full/no load	Kg	1700/830	
	25	Gradeability at 1.6km/h	power shift T/M	full/no load	%	25/20	22/18
manual shift T/M			full/no load	%	25/20	22/18	
<b>weights</b>	26	Truck weight			kg	3240	3580
	27-28	Weight distribution	full load	front/rear	kg	4660/580	5370/710
			no load	front/rear	kg	1470/1770	1390/2190
<b>Chassis&amp;Wheels</b>	29	front wheel				7.00-12-12PR	
	30	rear wheel				6.00-9-10PR	
	31	Wheelbase			mm	1600	
	32	Tread		front/rear	mm	970/970	
	33	Ground clearance	At lowest point(mast)		mm	110	
			Frame		mm	115	
	34	Brake	Service brake			Hydraulic-foot pedal	
Parking brake				Mechanical-hand lever			
<b>Drive Line</b>	35	Battery		Voltage/capacity		12/60	
	36	Engine	Model			<b>NISSAN K21</b>	
			Rated power		kw/rpm	31.2/2250	
			Rated torque		Nm/rpm	144/1600	
			Number of cylinders			4	
			Placement		cc	2065	
	37	Fuel tank capacity			L	70	
	38	Transmission		Speed forward/backward		Power shift T/M Manual shift T/M	1-1 power shift T/M 2-2Manual shift T/M
39	Operating pressure		Hydraulic system pressure		Kg/cm <sup>2</sup>	180	