

EFFECTO FG20/FG25 Technology Specification

Specification	1	Manufacturer				TEU	TEU
	2	Model			Power shift T/M	FG20T	FG25T
					Manual shift T/M	FG20C	FG25C
	3	Load capacity			kg	2000	2500
	4	Load center			mm	500	500
	5	Power unit				gasoline/LPG	gasoline/LPG
	6	Operator type				Driver/seat	Driver/seat
	7	Tire type				Pneumatic	Pneumatic
8	Wheel		Front/rear			2/2	2/2
Dimensions	9	Max. lifting height (VM300)			mm	3000	3000
	10	Free lift (VM300)			mm	160	160
	11	Fork size	LxWxT		mm	1070*122*40	1070*122*40
	12	Tilt range	Mast forward/backward		deg	6/12	6/12
	13	Overall length(without fork)			mm	2460	2530
	14	Total width			mm	1150	1150
	15	Mast height (VM300 fork lowering)			mm	1995	1995
	16	Overall height fork raised (VM300 with backrest)			mm	4030	4030
	17	Height to head guard			mm	2120	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
Performance	21	Speed	Max Travelling	full load/no load	km/h	17/19	17/19
	22		Lifting	full load/no load	mm/s	550/580	550/580
	23		Lowering	full load/no load	mm/s	450/550	450/550
	24	Max.drawbar pull	power shift T/M	full/no load	Kg	1650/830	1650/830
			manual shift T/M	full/no load	Kg	1700/830	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	
weights	26	Truck weight			kg	3240	3580
	27	Weight	full load	front/rear	kg	4660/580	5370/710
	28	distribution	no load	front/rear	kg	1470/1770	1390/2190
Chassis&Wheels	29	front wheel				7.00-12-12PR	7.00-12-12PR
	30	rear wheel				6.00-9-10PR	6.00-9-10PR
	31	Wheelbase			mm	1600	1600
	32	Tread	front/rear		mm	970/970	970/970
	33	Ground clearance	At lowest point(mast)		mm	110	110
			Frame		mm	115	115
	34	Brake	Service brake			Hydraulic-foot pedal	
Parking brake				Mechanical-hand lever			
Drive Line	35	Battery	Voltage/capacity			12/60	12/60
	36	Engine	Model			NISSAN K21	BAUFAR 491
			Rated power		kw/rpm	31.2/2250	47/2650
			Rated torque		Nm/rpm	144/1600	176.7/2650
			Number of cylinders			4	4
			Placement		L	2.065	2.237
	37	Fuel tank capacity			L	70	70
	38	Transmission	Speed forward/backward		Power shift T/M Manual shift	1-1 power shift T/M 2-2Manual shift T/M	
39	Operating pressure	Hydraulic system pressure		Kg/cm ²	180	180	