

L02 U-model

3.5 ton
at 500mm
Load Center

Main Truck Specifications

Item					UGL02A35DU	YGL02A35U		
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1	
	2	Model			UGL02A35DU	YGL02A35U	2	
	3	Load capacity	Q load lifted	kg	3500	3500	3	
	4	Load center	C distance	mm	500	500	4	
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline • LPG	Diesel	5	
	6	Operator type	walkie, rider / stand, rider / seat		Rider / seat	Rider / seat	6	
	7	Tire type	front / rear		PNE / PNE	PNE / PNE	7	
	8	Wheels(x=driven)	number front / rear		2X / 2	2X / 2	8	
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3000	3000	9	
	10	Free lift	h2 standard free lift	mm	150	150	10	
	13	Fork size	s.e.l	mm	45×122×1070	45×122×1070	13	
		Max. Fork Spread		mm	995	995		
		Min. Fork Spread		mm	280	280		
	14	Tilt range	α / β mast forward / backward	deg	6 / 12	6 / 12	14	
	15	Overall measurement	L2 length to fork face	mm	2755	2755	15	
	16		B overall width	mm	1280	1280	16	
	17		h1 height mast retracted	mm	2180	2180	17	
	18		h4 height mast extended	mm	4055	4055	18	
	19		h6 height overhead guard	mm	2155	2155	19	
	20		h7 height of driver's seat	mm	1055	1055	20	
	21	Turning radius (outside)	Wa	mm	2390	2390	21	
	22	Load distance	X from center of front axle	mm	490	490	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	4280/4080	4280/4080	23	
PERFORMANCE	24	Speeds	travelling	full load	km/h	19.0	19.0	24
			no load	km/h	19.0	19.0		
	lifting		full load	mm/s	450	440	25	
			no load	mm/s	470	480		
	lowering		full load	mm/s	420	420	26	
			no load	mm/s	360	360		
28	Max. drawbar pull	full load / no load 5min.	N	17750 / 17650	17850 / 16350	28		
29	Gradeability at 2km/h	full load / no load	tan θ%	23 / -	21 / -	29		
30	Max. gradeability	full load / no load	tan θ%	26 / 22	23 / 22	30		
WEIGHTS	32	Truck weight	no load	kg	4695	4755	32	
	33	Weight distribution	full load	front / rear	kg	7225 / 970	7215 / 1040	33
	34		no load	front / rear	kg	1695 / 3000	1690 / 3065	34
CHASSIS & WHEELS	35	Tires	number	front / rear	each	2 / 2	2 / 2	35
	36		size-front			250-15-16PR (I)	250-15-16PR (I)	36
	37		size-rear			6.50-10-12PR (I)	6.50-10-12PR (I)	37
	38	Wheelbase	y	mm	1700	1700	38	
	39	Tread	sprw 1 / sprw 2 front / rear	mm	1060 / 980	1060 / 980	39	
		Backrest height	Hb top of backrest ~ upper of fork face	mm	975	975		
		Overhead guard clearance	Hh	mm	1080	1080		
		Counterweight height	Hc	mm	1105	1105		
	40	Ground clearance	m1 full load minimum	mm	150	150	40	
	41		m2 full load center of wheelbase	mm	170	170	41	
42	Service brake	mechanical / hydraulic / electric / pneu		Hydraulic	Hydraulic	42		
43	Parking brake	foot / hand / seat switch		Hand	Hand	43		
DRIVE LINE	45	Battery	voltage / capacity (5 hour)	V/AH	12 / 27	12 / 64	45	
	49	Internal Combustion engine	manufacturer / type		NISSAN / K25	MHI / 3.3L-4C	49	
	50		maximum engine rated power	kW/rpm	47 / 2700	44 / 2300	50	
	51		maximum engine rated torque	Nm/rpm	192 / 1600	183 / 1800	51	
	52		number of cylinders / displacement	/ cc	4 / 2488	4 / 3331	52	
	55	Transmission	type		Automatic	Automatic	55	
			speed		1 / 1	1 / 1		
57	Operating pressure	for attachment	MPa	12.7	12.7	57		

Loading Capacity

UGL02A35DU, YGL02A35U												Unit: kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single tire	2W300	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W330	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W355	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W370	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W400	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	2W450	3400	3085	2825	2605	2420	2255	2110	1985	1875	1775	1685
	2W500	3300	2995	2745	2530	2345	2190	2050	1930	1820	1725	1635
	2F300	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F330	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F350	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F400	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	3F375	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	3F400	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	3F440	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	3F470	3400	3085	2825	2605	2420	2255	2110	1985	1875	1775	1685
	3F505	3300	2995	2745	2530	2345	2190	2050	1930	1820	1725	1635
Double tire	3F560	2700	2450	2245	2070	1920	1790	1675	1580	1490	1410	1340
	3F600	2000	1815	1660	1535	1420	1325	1240	1170	1105	1045	990
	2W300	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W330	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W355	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W370	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2W400	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	2W450	3400	3085	2825	2605	2420	2255	2110	1985	1875	1775	1685
	2W500	3300	2995	2745	2530	2345	2190	2050	1930	1820	1725	1635
	2F300	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F330	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F350	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	2F400	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	3F375	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	3F400	3500	3175	2910	2680	2490	2320	2175	2045	1930	1830	1735
	3F440	3450	3130	2865	2645	2455	2290	2145	2015	1905	1800	1710
	3F470	3400	3085	2825	2605	2420	2255	2110	1985	1875	1775	1685
	3F505	3300	2995	2745	2530	2345	2190	2050	1930	1820	1725	1635
	3F560	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585
	3F600	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540

Truck Weight

Unit:kg			
Mast type	Mast name	UGL02	YGL02
		35	35
Two stage (Wide view 2W)	2W 300	4695	4755
	2W 330	4730	4790
	2W 355	4755	4815
	2W 370	4790	4850
	2W 400	4835	4895
	2W 450	4905	4965
	2W 500	4965	5025
Two stage (Full free 2F)	2F 300	4725	4785
	2F 330	4765	4825
	2F 350	4790	4850
	2F 400	4875	4935

Unit:kg			
Mast type	Mast name	UGL02	YGL02
		35	35
Three stage (Full free 3F)	3F 375	4905	4965
	3F 400	4935	4995
	3F 440	4970	5030
	3F 470	5000	5060
	3F 505	5085	5145
	3F 560	5140	5200
	3F 600	5175	5235
Truck weight without mast		3860	3920

Add 60 kg for 35 double tire models.

Additional Truck Weight

■ TIRE WEIGHT

Unit:kg			
Model(Capacity code)			35
Front	Single	Pneumatic	±0
		Solid	+40
		Color Solid (White/Green)	+45
		AirBoss	—
	Double	Pneumatic	±0
		Solid	+65
		Color Solid (White/Green)	+70
		AirBoss	—
Rear	Single	Pneumatic	±0
		Solid	+45
		Color Solid (White/Green)	+50
		AirBoss	—

■ FORKS

Unit:kg		
Model(Capacity code)		35
Fork length (mm)	Less fork	-130
	920	—
	1000	—
	1070	±0
	1100	—
	1150	+10
	1200	—
	1220	+10
	1300	—
	1370	+25
	1400	—
	1520	+30
	1620	+40
	1800	—
	2000	—

■ LPG SYSTEM

Unit:kg		
	Type	35
Without Bottle, Bracket, Hose		LPGC +5
Swing-back	Bottle+Bracket+Hose	LPGA +35
	NO Bottle+Bracket+Hose	LPGB +15
	NO Bottle+Bracket+NO Hose	LPGE +15
Swing-open	Bottle+Bracket+Hose	LPGF +40
	NO Bottle+Bracket+Hose	LPGG +20
	NO Bottle+Bracket+NO Hose	LPGH +20
Swing-down	Bottle+Bracket+Hose	LPGP +40
	NO Bottle+Bracket+Hose	LPGQ +20
	NO Bottle+Bracket+NO Hose	LPGR +20

■ CABIN

Unit:kg	
Model(Capacity code)	35
Windshield	+20
Canvas Cabin	+20
Steel Cabin	+150
Heater & Cooler	+25
Heater	+10
Sub Guard	+15

■ CARRIAGE & BACKREST

Unit:kg		
CARRIAGE	BACKREST	35
Standard	Standard	±0
	High (Plate type)	—
	Less	—
Wide View	Standard	±0
	High (Plate type)	+15
	High (Angle type)	+5
	Less	-25
Wide	High *1	—
Extra Wide	High	—

*1 Except ANGLE & WIDE HIGH BACKREST

Option Availability

●...Standard ○...Option

	Item	UGL02 35 ECCS Dual	YGL02 35 Diesel
Engine	ECCS (Electronic Concentrated Control System) type	●	—
	Carburetor type	—	—
	Speed & Power / Eco Selector	○	—
Cooling system	Corrugated fin type radiator	●	●
	Radiator screen	○	○
	Oil cooler (Radiator built-in type) (A/T model)	●	●
	30% density LLC (Non-amine)	●	●
	50% density LLC (Non-amine)	○	○
Intake system	Super air intake system	●	●
	Cyclone air cleaner	●	●
Exhaust system	Standard muffler	—	●
	Overhead exhaust muffler	○	○
	Three way catalytic muffler	●	—
	Diesel Particulate Filter (DPF)	—	○
	Anti-fire spark muffler (cyclone)	—	○
LPG system (Dual fuel) Swing-back Swing-open Swing-down	Complete system (with LPG bottle)	○	—
	Without LPG bottle*	●	—
	Without LPG bottle and hose with bottle bracket	○	—
	Without LPG bottle, hose and bottle bracket	○	—
Hydraulic control	2 spool valve	●	●
	3 spool valve	○	○
	4 spool valve	○	○
	Single control lever	○	○
	Double control lever	●	●
	3 spool piping to carriage	○	○
	4 spool piping to carriage	○	○
	Quick release type piping connector	○	○
Mast	2-stage wide view mast (2W)	●	●
	2-stage full free mast (2F)	○	○
	3-stage full free mast (3F)	○	○
	Mast less	○	○
	Mast protector	○	○
	Tilt Cylinder Cover	○	○
	Tilt Cylinder Boots	○	○
Carriage & Backrest	Wide carriage	○	○
	Extra wide carriage	○	○
	ANSI type high backrest	○	○
	Wide backrest	○	○
	Extra wide backrest	○	○
Fork	Without backrest	○	○
	Long fork**	○	○
Steering system	Tilt steering	●	●
	Hydrostatic power steering system	●	●
	Steering knob	●	●
	Steering synchronizer	○	○

* Swing-back type is standard.

** Refer to Fork availability.

Option Availability

●---Standard ○---Option

Item		UGL02 35 ECCS Dual	YGL02 35 Diesel
Body	Power train floating	●	●
	Rain guard (Vinyl type)	○	○
	Rain guard (Resin type)	○	○
	Canvas cabin	○	○
	Damper stay for top panel opening	●	●
	Top panel lock	●	●
	Rearview mirrors	○	○
Seat	Restraint seat with suspension	●	●
	Seat less	○	○
Meters & Gauge	Fuel gauge	●	●
	Water temperature gauge	●	●
	Hour meter (key on counting)	●	●
Lights & Alarm	Glow plug lamp (Diesel model)	—	●
	Headlights (no guard)	●	●
	Back-up buzzer	●	●
	Turn signal lamps	○	○
	Rear combination lamps	○	○
	Rear working light	○	○
	Rotating light	○	○
	Speedometer	○	○
	Battery charge warning lamp	●	●
	Water separator warning lamp (Diesel model)	—	●
	Torque converter fluid temp. warning lamp (A/T model)	●	●
	Air cleaner plugging warning lamp	○	○
	Parking brake warning buzzer	●	●
	Forward/Reverse interlock warning lamp (A/T model)	●	●
	Seatbelt warning lamp	●	●
	Clutch wearing warning lamp (M/T model)	○	○
	Radiator fluid level warning lamp	○	○
	Fuel filter warning lamp (Diesel model)	—	●
	Mast interlock warning lamp	●	●
	LPG low fuel warning lamp	●	—
	3-stage lighting switch	○	○
Brake	Toggle joint type parking brake	●	●
	Toggle joint type parking brake with warning buzzer	●	●
Tires & Rims	J-lug tire (Textile)	●	●
	Pneumatic type solid tire	○	○
	Double tire	○	○
	Built-in bolt type disc wheels	●	●
	Spare tires (1 for front and 1 for rear)	○	○
Tool	Tool kit	○	○
	Tool kit with jack	○	○
Rust-proof specifications		○	○
Label	English	●	●
	German	○	○
	French	○	○
	Spanish	○	○

L02-U

Fork Availability

●...Standard ○...Option

Length (mm) \ Model		L02 35
Fork	Less fork	○
	920	○
	1000	—
	1070	●
	1150	○
	1220	○
	1370	○
	1520	○
Extension fork	1200	○
	1300	○
	1500	○
	1600	○
	1700	○
	1800	○
	2000	○

Fork Dimensions

	Width [W] × Thickness [T] mm
	35
All length	122 × 45

Carriage & Backrest Dimensions

Carriage

Model		GL02 35
Class		Class III
**Numbers of rollers (not include side rollers)		6
Carriage width [W] mm	Standard	1000
	Wide	1300
	*Extra wide	1600
Max. fork spread mm	Standard	995
	Wide	1295
	*Extra wide	1595

* Two stage mast (2W) only
** Except for three stage mast (3F).

Backrest

Model		L02 35
Backrest height [H] mm	Standard	1060
	High backrest	1260
	Wide backrest	1260
	Extra wide backrest	1260
Backrest width [L] mm	Standard & high backrest	1025
	Wide backrest	1325
	Extra wide backrest	1625
Plate thickness [T] mm		12

Unit Specification

UGL02-U			
ENGINE SYSTEM	Model		K25
	Classification		ECCS Dual Gasoline / LPG
	Cycle		4
	Type		4 cylinder in-line OHV
	Displacement	cm ³	2488
	Bore x Stroke	mm	89 x 100
	Compression ratio		8.7
	Air cleaner		Cyclone type, dry element
	Governor		—
	Oil filter		Cartridge type
	Oil pump		Gear type
	Injection pump		Electronic fuel injection type (GAS:MPI / LPG:SPI)
	Fuel pump		Diaphragm type
	Water pump		Centrifuge type
	Radiator		Corrugated fin
	Battery		12V-27AH
	Alternator		12V-50AH
	Starter motor		12V-1.2 kW (Conventional type)
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type	Single, dry friction disc
		Transmission type	Full synchromesh, two speeds forward and reverse
STEERING SYSTEM	Type		Fully hydrostatic power steering
	Steering unit		ORBITROL
	Power cylinder		Mounted on steering axle
	Steering wheel		Tilting type
DRIVE AXLE	Type		Propeller shaft type
	Final gear		Hypoid gear
STEERING AXLE	Type		Center pin system
	Suspension system		Rubber bushing mounted
BRAKE SYSTEM	Service brake		Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake		Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure		Integral, All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standards
	Fuel tank		3.5ton:69 liters
	Hydraulic oil tank		50 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type, used for hoisting and power steering
	Control valve		Sectional type with tilt lock valve
	Lift cylinder		With flow regulator valve
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		3.5ton: Class III
	Forks		Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter		Torque converter fluid temperature warning lamp (A/T model) / Fuel gauge / Water temperature gauge / Hour meter
	Light		Battery charge warning lamp / Engine oil pressure warning light/Glow plug pilot lamp (Diesel only) / PKB warning lamp / Seat belt warning lamp / Neutral position lamp / AT interlock operating lamp / LPG low fuel warning lamp / Mast interlock operating lamp
	Switch & knob		Lighting switch / Starter switch

			YGL02-U
ENGINE SYSTEM	Model		3.3L-4C
	Classification		Diesel
	Cycle		4
	Type		4 cylinder in-line OHV
	Displacement	cm ³	3331
	Bore x Stroke	mm	94 x 120
	Compression ratio		22
	Air cleaner		Cyclone type, dry element
	Governor		Mechanical type
	Oil filter		Cartridge type
	Oil pump		Gear type
	Injection pump		VE type
	Fuel pump		—
	Water pump		Centrifuge type
	Radiator		Corrugated fin
	Battery		12V-64AH
	Alternator		12V-50AH
	Starter motor		12V-2.2kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type	Single, dry friction disc
		Transmission type	Full synchromesh, two speeds forward and reverse
STEERING SYSTEM	Type		Fully hydrostatic power steering
	Steering unit		ORBITROL
	Power cylinder		Mounted on steering axle
	Steering wheel		Tilting type
DRIVE AXLE	Type		Propeller shaft type
	Final gear		Hypoid gear
STEERING AXLE	Type		Center pin system
	Suspension system		Rubber bushing mounted
BRAKE SYSTEM	Service brake		Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake		Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure		Integral, All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standards
	Fuel tank		3.5ton:69 liters
	Hydraulic oil tank		50 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type, used for hoisting and power steering
	Control valve		Sectional type with tilt lock valve
	Lift cylinder		With flow regulator valve
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		3.5ton: Class III
	Forks		Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter		Torque converter fluid temperature warning lamp (A/T model) / Fuel gauge / Water temperature gauge / Hour meter
	Light		Battery charge warning lamp / Engine oil pressure warning light/Glow plug pilot lamp (Diesel only) / PKB warning lamp / Seat belt warning lamp / Neutral position lamp / AT interlock operating lamp / LPG low fuel warning lamp / Mast interlock operating lamp
	Switch & knob		Lighting switch / Starter switch / Engine control knob (Diesel cold spec. only)