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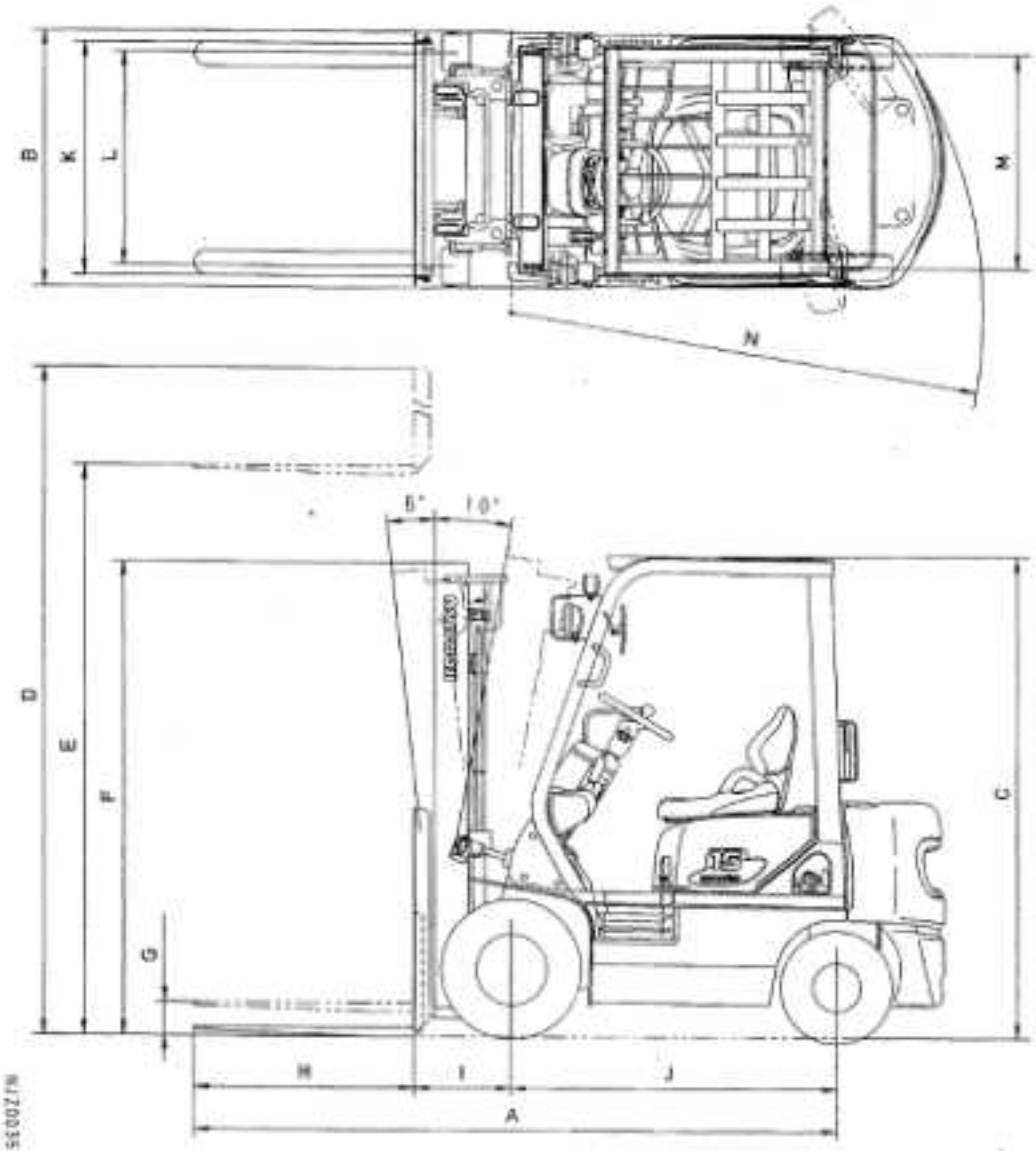
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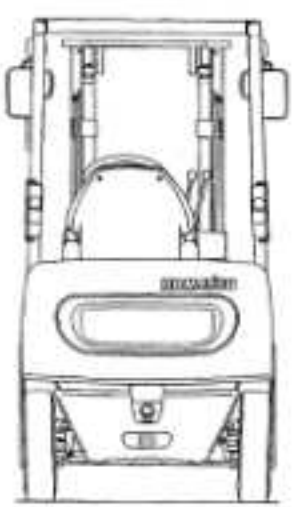
FG10/14/15/18-17
FG15H/18H-17
FD15/18-17

KOMATSU FORKLIFT

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SPECIFICATIONS





Unit: mm

Item	Symbol	Model			
		1.0 t	1.35 t	1.5 t	1.75 t
Overall length	A	2,920	3,125	3,155	3,190
Overall width	B	1,070			
Overall height	C	2,025			
Overall height with mast extended	D	3,955			
Maximum lifting height	E	3,000			
Mast lowered height	F	1,995			
Free lift height	G	140			
Fork length	H	770	920		
Front overhang	I	400	405		
Wheelbase	J	1,375			
Fork spread	K	970			
Front wheel tread	L	890			
Rear wheel tread	M	905			
Min. turning radius	N	1,870	1,925	1,955	1,990
Front tire size	–	5.50-10-10PR(I)			
Rear tire size	–	5.00-8-8PR(I)			

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1.0-TON GASOLINE TRUCK

No.	Classification	Item				Unit	Komatsu AX m/c FG10-17(STD)
1	Performance	Max. load				kN(kgf)	9.81(1,000)
2		Center of load				mm	500
3		Maximum lifting height				mm	3,000
4		Free lift height				mm	140
5		Slant angle of mast (Forward/Reverse)				deg.	6/10
6		Fork	Lifting speed	With load		mm/s	600
7				With no load		mm/s	660
8			Lowering speed	With no load		mm/s	550
9		Travel speed (with no load) Clutch/Torque converter		Forward	1st gear	km/h	8.5/19.0
10					2nd gear	km/h	19.0/–
11				Reverse	1st gear	km/h	8.5/18.5
12					2nd gear	km/h	19.0/–
13		Traction force with load (Clutch/Torque converter)				kN(kgf)	11.3(1,150)/10.3(1,050)
14		Gradeability with load (Clutch/Torque converter)				deg.	20.8/19.1
15		Min. turning radius				mm	1,870
16		Width of theoretical minimum aisle for rightangle turn				mm	1,825
17		Width of theoretical minimum aisle for rightangle stacking				mm	3,370
18	Dimensions/Mass	Fork size (Length)				mm	770
19		Overhang of fork				mm	400
20		Overall length (To front end of fork)				mm	2,150
21		Overall width				mm	1,070
22		Overall height		Top of head guard		mm	2,025
23				Top of mast		mm	1,985
24		Fork spread				mm	970
25		Wheelbase				mm	1,375
26		Tread		Front wheel		mm	890
27				Rear wheel		mm	905
28		Front tire				—	6.50-10-10PR
29		Rear tire				—	5.00-8-8PR
30		Minimum ground clearance (Under mast)				mm	120
31		Mass of truck (Clutch/Torque converter)				kg	2,115/2,140
32		Head clearance				mm	1,040
33	Engine	Manufacturer				—	Nissan
34		Name				—	H15
35		Number of cylinder-total displacement				cc	4-1,486
36		Rated output/speed				kW(HP)/rpm	28.5(39)/2,500
37		Max. torque/speed				Nm(kgf-m)/rpm	115(11.7)/1,600
38		Type of combustion				—	Wedge type
39	Other items	Forward/Reverse stability ratio				—	1.50
40		Lifting height which does not lower load				mm	4,000
41		Noise at operator's seat (Hi)				db(A)	81
42		Vibration of steering wheel				—	A
43		Fuel tank capacity				ℓ	37
44		Step		Type		—	Open step
45				Height		mm	375
46		Floor height				mm	585

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1.35-TON GASOLINE TRUCK

No.	Classification	Item			Unit	Komatsu AX m/c FG14-17(STD)
1	Performance	Max. load			kN(kgf)	13.2(1,350)
2		Center of load			mm	500
3		Maximum lifting height			mm	3,000
4		Free lift height			mm	140
5		Slant angle of mast (Forward/Reverse)			deg.	6/10
6		Fork	Lifting speed	With load	mm/s	600
7				With no load	mm/s	660
8			Lowering speed	With no load	mm/s	550
9		Travel speed (with no load) Clutch/Torque converter		Forward 1st gear	km/h	8.5/19.0
10				Forward 2nd gear	km/h	19.0/–
11				Reverse 1st gear	km/h	8.5/18.5
12				Reverse 2nd gear	km/h	19.0/–
13		Traction force with load (Clutch/Torque converter)			kN(kgf)	11.3(1,150)/10.3(1,050)
14		Gradeability with load (Clutch/Torque converter)			deg.	17.0/15.7
15		Min. turning radius			mm	1,925
16		Width of theoretical minimum aisle for rightangle turn			mm	1,850
17		Width of theoretical minimum aisle for rightangle stacking			mm	3,430
18	Dimensions/Mass	Fork size (Length)			mm	920
19		Overhang of fork			mm	405
20		Overall length (To front end of fork)			mm	2,205
21		Overall width			mm	1,070
22		Overall height	Top of head guard		mm	2,025
23			Top of mast		mm	1,995
24		Fork spread			mm	970
25		Wheelbase			mm	1,375
26		Tread	Front wheel		mm	890
27			Rear wheel		mm	905
28		Front tire			—	6.50-10-10PR
29		Rear tire			—	5.00-8-8PR
30		Minimum ground clearance (Under mast)			mm	120
31		Mass of truck (Clutch/Torque converter)			kg	2,415/2,440
32		Head clearance			mm	1,040
33	Engine	Manufacturer			—	Nissan
34		Name			—	H15
35		Number of cylinder-total displacement			cc	4-1,486
36		Rated output/speed			kW{HP}/rpm	28.5{39}/2,500
37		Max. torque/speed			Nm{kgf·m}/rpm	115{11.7}/1,600
38		Type of combustion			—	Wedge type
39	Other items	Forward/Reverse stability ratio			—	1.50
40		Lifting height which does not lower load			mm	4,000
41		Noise at operator's seat (Hi)			db(A)	81
42		Vibration of steering wheel			—	A
43		Fuel tank capacity			ℓ	37
44		Step	Type		—	Open step
45			Height		mm	375
46		Floor height			mm	585

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1.5-TON DIESEL TRUCK

No.	Classification	Item				Unit	Komatsu AX m/c FD15-17(STD)
1	Performance	Max. load				kN(kgf)	14.7(1,500)
2		Center of load				mm	500
3		Maximum lifting height				mm	3,000
4		Free lift height				mm	140
5		Slant angle of mast (Forward/Reverse)				deg.	6/10
6		Fork	Lifting speed	With load		mm/s	600
7				With no load		mm/s	630
8			Lowering speed	With no load		mm/s	550
9		Travel speed (with no load) Clutch/Torque converter		Forward	1st gear	km/h	9.0/19.0
10					2nd gear	km/h	19.0/–
11				Reverse	1st gear	km/h	9.0/18.5
12					2nd gear	km/h	19.0/–
13		Traction force with load (Clutch/Torque converter)				kN(kgf)	11.3(1,150)/10.3(1,050)
14		Gradeability with load (Clutch/Torque converter)				deg.	17.5/18.4
15		Min. turning radius				mm	1,955
16		Width of theoretical minimum aisle for rightangle turn				mm	1,860
17		Width of theoretical minimum aisle for rightangle stacking				mm	3,460
18	Dimensions/Mass	Fork size (Length)				mm	920
19		Overhang of fork				mm	405
20		Overall length (To front end of fork)				mm	2,235
21		Overall width				mm	1,070
22		Overall height		Top of head guard		mm	2,025
23				Top of mast		mm	1,995
24		Fork spread				mm	970
25		Wheelbase				mm	1,375
26		Tread		Front wheel		mm	890
27				Rear wheel		mm	905
28		Front tire				—	6.50-10-10PR
29		Rear tire				—	5.00-8-8PR
30		Minimum ground clearance (Under mast)				mm	120
31		Mass of truck (Clutch/Torque converter)				kg	2,625/2,650
32		Head clearance				mm	1,040
33	Engine	Manufacturer				—	Yammar
34		Name				—	4D92E
35		Number of cylinder-total displacement				cc	4-2,659
36		Rated output/speed				kW{HP}/rpm	36(48.5)/2,450
37		Max. torque/speed				Nm{kgf-m}/rpm	147(15.0)/1,800
38		Type of combustion				—	—
39	Other items	Forward/Reverse stability ratio				—	1.60
40		Lifting height which does not lower load				mm	4,000
41		Noise at operator's seat (Hi)				db(A)	86
42		Vibration of steering wheel				—	A
43		Fuel tank capacity				ℓ	37
44		Step		Type		—	Open step
45				Height		mm	390
46		Floor height				mm	600

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	Abnormality / Cause	Defective starting: Engine does not start	Defective starting: Engine starts but then stops — Exhaust gas: None	Defective starting: Engine starts but then stops — Exhaust gas: Little	Defective starting: Engine starts but then stops — Exhaust gas: Large amount	Lack of engine output — Exhaust gas color: Normal	Lack of engine output — Exhaust gas color: White	Lack of engine output — Exhaust gas color: Black	Defective exhaust gas color — When operating: White	Defective exhaust gas color — When operating: Black	Excessive knocking during combustion	Abnormal noise from engine	Variation in combustion noise	Hunting: When idling	Hunting: When operating	Excessive vibration of engine	Poor return to low speed	Excessive fuel consumption	Lubricating oil: Excessive consumption	Lubricating oil: Dilution of oil by fuel	Lubricating oil: Water in oil	Lubricating oil: Low oil pressure	Excessive blowby	Coolant: Overheats	Coolant: Low water temperature	Air supply: Pressure drops	Air supply: Pressure rises	Exhaust temperature rises	Remedy
Lubricating system	Improper lubricating oil	○	○			○													○			○	○						Use proper lubricating oil
	Leakage from oil piping																		○			○							Repair
	Insufficient discharge from trochoid pump																					○							Check and repair
	Clogging of lubricating oil filter																					○	○						Clean or replace
	Defective pressure regulating valve																					○							Clean, adjust, or replace
	Lack of lubricating oil		○																			○							Add proper lubricating oil
Fuel system	Timing of fuel injection pump too advanced								○	○	○					○													Check and adjust
	Timing of fuel injection pump too retarded						○	○	○	○								○										○	Check and adjust
	Improper fuel					○	○	○	○	○			○																Use proper fuel
	Water in fuel system	○			○		○		○				○	○	○														Check and repair
	Clogged fuel filter	○	○			○																							Clean or replace
	Air in fuel system	○	○				○																						Bleed air
	Fuel pipe clogged, cracked	○	○			○																							Clean or replace
	Insufficient supply of fuel to fuel injection pump	○	○			○																							Check fuel tank valve, fuel filter, fuel pipe, fuel feed pump
	Uneven injection from fuel injection pump						○	○	○	○			○	○	○	○												○	Check and adjust
	Excessive fuel injection									○								○	○				○	○			○	○	Check and adjust
	Defective spray from fuel injection nozzle						○	○	○	○			○	○	○	○		○											Check and adjust
	Priming impossible	○																											Dirt caught in valve inside priming pump (disassemble and clean)
	Clogged strainer at fuel filter inlet port					○																							Clean strainer
Air, exhaust gas system	Clogged air filter				○			○		○			○													○			Clean
	Engine used at high ambient temperature or high altitude							○		○								○						○		○			Use high-output engine
	Clogged exhaust pipe							○		○			○															○	Clean
Electrical system	Defective starting motor	○																											Repair or replace
	Defective alternator	○																											Repair or replace
	Disconnected wiring	○																											Repair
	Drop in battery voltage	○																											Charge

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