

Salesman's Handbook

Diesel powered ZX for Europe

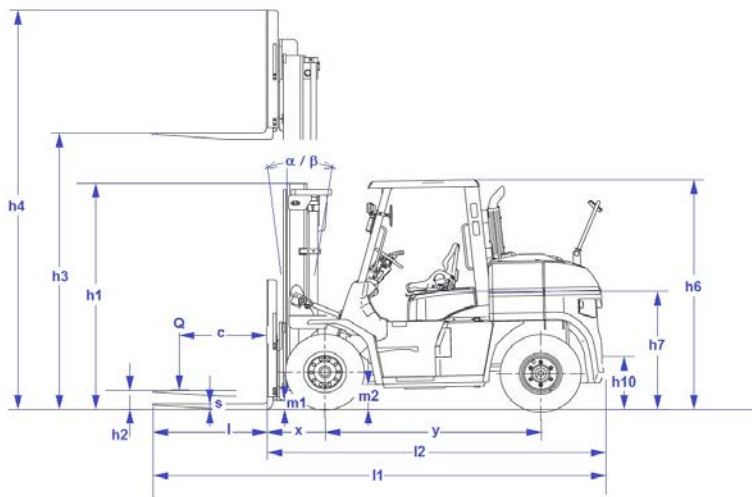
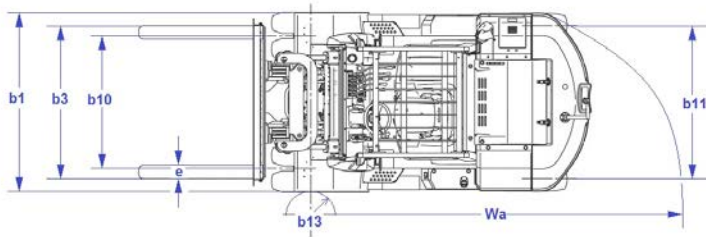
ZX
series

6
models

6 - 10 Ton



ZX SPECS



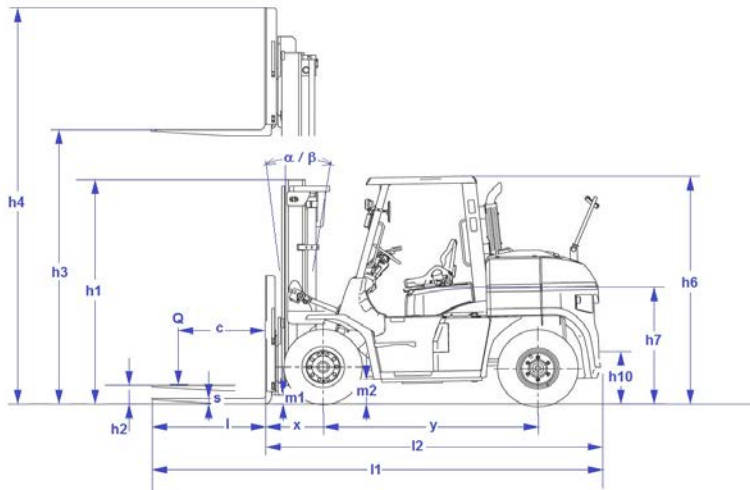
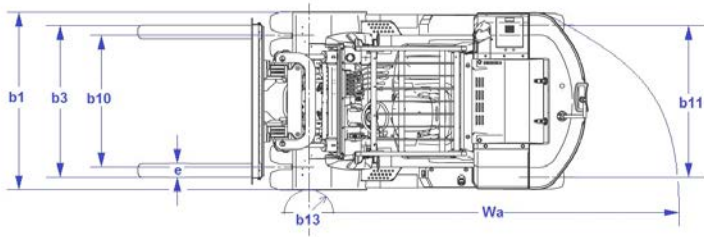
ZX-60L, ZX60

MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Mast name	Max. Fork height	Overall height			Free Lift		Tilt angle	Load capacity
			Fully lowered	Fully extended with back rest	Fully extended without back rest	Without Backrest	With Back rest		
			mm	mm	mm	mm	mm	mm	deg
Two stage VM	VM300	3000	2500	4420	3950	205	205	6-12 (6-10)	6.000
	VM330	3300	2650	4720	4250				
	VM350	3500	2750	4920	4450				
	VM400	4000	3050	5420	4975			6-6	5.700
	VM450	4500	3300	5920	5475				
	VM500	5000	3550	6420	5975				
	VM550	5500	3850	6920	6525				
VM600	6000	4100	7420	7025	3-6	5.400			
Two stage VFM	VFM300	3000	2625	4420	4095	1580	1255	6-12 (6-10)	6.000
	VFM330	3300	2775	4720	4395	1730	1405		
	VFM350	3500	2875	4920	4595	1830	1505		
	VFM400	4000	3175	5420	5095	2130	1805		
	VFM450	4500	3425	5920	5595	2380	2055		
Three stage VFHM	VFHM400	4000	2500	5400	5075	1455	1130	6-10 (6-6)	5.800
	VFHM435	4350	2625	5750	5425	1580	1255		
	VFHM480	4800	2775	6200	5875	1730	1405	6-10	5.700
	VFHM500	5000	2875	6400	6075	1830	1505		
	VFHM550	5500	3130	6900	6575	2085	1760		
	VFHM600	6000	3300	7400	7075	2255	1930	3-6	5.000
	VFHM700	7000	3675	8400	8075	2630	2305		
	VFHM800	8000	4100	9400	9075	3055	2730		

MAIN TRUCK SPECIFICATIONS

		ITEM			
Characteristics	1.1	Manufacturer		UniCarriers	
	1.2	Model name		ZX-60L	ZX60
		Model Variation		FD60-4L	FD60-4
	1.3	Power unit: Electric, Diesel, Gasoline, LPG, others		Diesel	
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking		Sit down rider type	
	1.5	Load capacity	Q (t)	6.0	
	1.6	Load centre	o (mm)	600	
	1.8	Front overhang	x (mm)	615	
	1.9	Wheel base	y (mm)	2300	
Weights	2.1	Service weight	Kg	8610	
	2.2	Axle load with load, front/rear	Kg	13020 / 1590	13030 / 1640
	2.3	Axle load without load, front/rear	Kg	3850 / 4760	3860 / 4810
Wheels & Tires	3.1	Tires front/rear (C=cushion, SE=superelastic, P=pneumatic)		P(SE)/P(SE)	
	3.2	Tire size, front		8.25-15-14PR	
	3.3	Tire size, rear		8.25-15-14PR	
	3.5	Wheels, number front/rear (x=powered)		4x/2	
	3.6	Tread, front	b10 (mm)	1470	
	3.7	Tread, rear	b11 (mm)	1700	
	Dimensions	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
4.2		Height mast fully lowered	h1 (mm)	2500	
4.3		Free lift	h2 (mm)	205	
4.4		Lift height	h3 (mm)	3000	
4.5		Height mast fully extended	h4 (mm)	4420	
4.7		Overhead guard height	h6 (mm)	2550	
4.8		Seat height / Standing height	h7 (mm)	1420	
4.12		Towing coupler height	h10 (mm)	520	
4.19		Overall length	l1 (mm)	4805	
4.20		Length to fork face	l2 (mm)	3585	
4.21		Overall Width	b1 (mm)	2005	
4.22		Fork dimensions	s.e.l (mm)	60x150x1220	
4.23		Carriage DIN 15173, class / Form A,B		4A	
4.24		Carriage width	b3 (mm)	1830	
4.31		Mast underclearance loaded	m1 (mm)	200	
4.32		Underclearance centre wheelbase	m2 (mm)	225	
4.33		Right angle stacking aisle with pallet 1000x1200 wide	Ast (mm)	5215	
4.34		Right angle stacking aisle with pallet 800x1200 deep	Ast (mm)	5415	
4.35	Turning radius	Wa (mm)	3400		
4.36	Turning radius inner	b13 (mm)	250		
Performance	5.1	Travelling speed with/without load	km/h	21/25	25/28
	5.2	Lifting speed with/without load (VM)	mm/s	395/440	53/550
	5.3	Lowering speed with/without load (VM)	mm/s	450/500	
	5.5	Drawbar pull, with/without load	kN	49.0/21.6	54.9/21.6
	5.7	Gradeability with/without load	%	24/20	28/20
	5.10	Service brake		Hydraulic	
Drive	7.1	Engine manufacturer/type		KUBOTA-V3800	
	7.2	Engine rated power according ISO 1585	kW	55	81
	7.3	Rated engine revolutions	rpm	2200	2400
	7.4	Number of cylinders/Displacement	cm3	4/3769	
Others	8.1	Type of drive control		Torque Converter	
	8.2	Working pressure attachments	bar	206	
	8.4	Noise level operator's ear according EN 12053	dB (A)	84	86



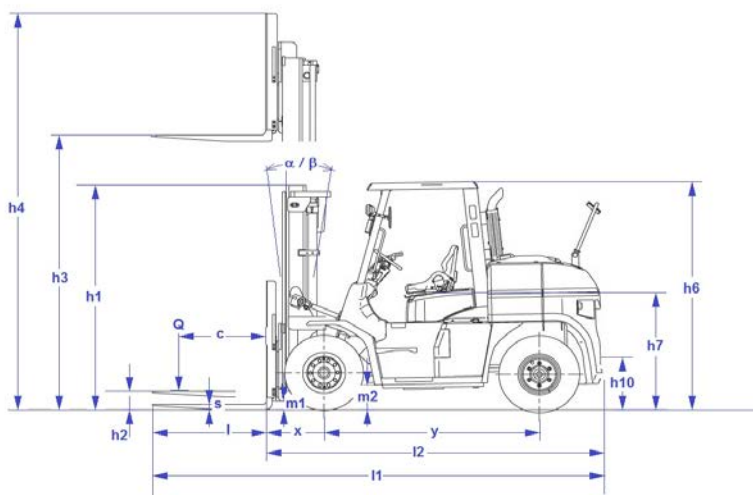
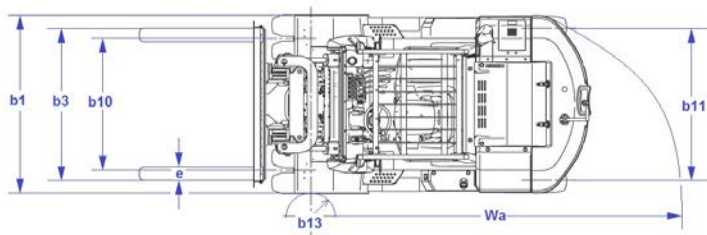
ZX-70L, ZX-70

MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Mast name	Max. Fork height	Overall height			Free Lift		Tilt angle	Load capacity
			Fully lowered	Fully extended with back rest	Fully extended without back rest	Without Backrest	With Back rest		
		mm	mm	mm	mm	mm	deg	600 mm kg	
Two stage VM	VM300	3000	2500	4420	4105	215	215	6-12 (6-10)	7.000
	VM330	3300	2650	4720	4405				
	VM350	3500	2750	4920	4605				
	VM400	4000	3050	5420	5105				
	VM450	4500	3300	5920	5605				
	VM500	5000	3550	6420	6105				
	VM550	5500	3850	6920	6605				
	VM600	6000	4100	7420	7105			3-6	6.600 6.400
Two stage VFM	VFM300	3000	2625	4420	4095	1590	1265	6-12 (6-10)	7.000
	VFM330	3300	2775	4720	4395	1740	1415		
	VFM350	3500	2875	4920	4595	1840	1515		
	VFM400	4000	3175	5420	5095	2140	1815		
	VFM450	4500	3425	5920	5595	2390	2065		
	VFM500	5000	3675	6420	6095	2640	2315		
Three stage VFHM	VFHM400	4000	2500	5400	5075	1465	1140	6-10 (6-6)	6.800
	VFHM435	4350	2625	5750	5425	1590	1265	6-10	
	VFHM480	4800	2775	6200	5875	1740	1415		
	VFHM500	5000	2875	6400	6075	1840	1515		3-6
	VFHM550	5500	3130	6900	6575	2095	1770	6.400	
	VFHM600	6000	3300	7400	7075	2265	1940	6.000	
	VFHM700	7000	3675	8400	8075	2640	2315	4.500	
	VFHM800	8000	4100	9400	9075	3035	2740	2.700	

MAIN TRUCK SPECIFICATIONS

ITEM					
Characteristics	1.1	Manufacturer	UniCarriers		
	1.2	Model name	ZX-70L	ZX-70	
		Model Variation	FD70-4L	FD70-4	
	1.3	Power unit: Electric, Diesel, Gasoline, LPG, others	Diesel		
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit down rider type		
	1.5	Load capacity	Q (t)	7.0	
	1.6	Load centre	o (mm)	600	
	1.8	Front overhang	x (mm)	625	
	1.9	Wheel base	y (mm)	2300	
Weight	2.1	Service weight	Kg	9480	9540
	2.2	Axle load with load, front/rear	Kg	14630/1850	14640/1900
	2.3	Axle load without load, front/rear	Kg	3900/5580	3910/5630
Wheels & Tires	3.1	Tires front/rear (C=cushion, SE=superelastic, P=pneumatic)	P(SE)/P(SE)		
	3.2	Tire size, front	8.25-15-14PR		
	3.3	Tire size, rear	8.25-15-14PR		
	3.5	Wheels, number front/rear (x=powered)	4x/2		
	3.6	Tread, front	b10 (mm)	1470	
	3.7	Tread, rear	b11 (mm)	1700	
	Dimensions	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
4.2		Height mast fully lowered	h1 (mm)	2500	
4.3		Free lift	h2 (mm)	215	
4.4		Lift height	h3 (mm)	3000	
4.5		Height mast fully extended	h4 (mm)	4420	
4.7		Overhead guard height	h6 (mm)	2550	
4.8		Seat height / Standing height	h7 (mm)	1420	
4.12		Towing coupler height	h10 (mm)	520	
4.19		Overall length	l1 (mm)	4875	
4.20		Length to fork face	l2 (mm)	3655	
4.21		Overall Width	b1 (mm)	2005	
4.22		Fork dimensions	s,e,l (mm)	70x150x1220	
4.23		Carriage DIN 15173, class / Form A,B		4A	
4.24		Carriage width	b3 (mm)	1830	
4.31		Mast underclearance loaded	m1 (mm)	200	
4.32		Underclearance centre wheelbase	m2 (mm)	225	
4.33		Right angle stacking aisle with pallet 1000x1200 wide	Ast (mm)	5285	
4.34	Right angle stacking aisle with pallet 800x1200 deep	Ast (mm)	5485		
4.35	Turning radius	Wa (mm)	3460		
4.36	Turning radius inner	b13 (mm)	250		
Performance	5.1	Travelling speed with/without load	km/h	21/25	25/28
	5.2	Lifting speed with/without load (VM)	mm/s	395/440	530/550
	5.3	Lowering speed with/without load (VM)	mm/s	450/500	
	5.5	Drawbar pull, with/without load	kN	49.0/21.6	54.9/21.6
	5.7	Gradeability with/without load	%	24/20	28/20
	5.10	Service brake		Hydraulic	
Drive	7.1	Engine manufacturer/type	KUBOTA-V3800		
	7.2	Engine rated power according ISO 1585	kW	55	81
	7.3	Rated engine revolutions	rpm	2200	2400
	7.4	Number of cylinders/Displacement	cm3	4/3769	
Others	8.1	Type of drive control	Torque Converter		
	8.2	Working pressure attachments	bar	206	
	8.4	Noise level operator's ear according EN 12053	dB (A)	84	86



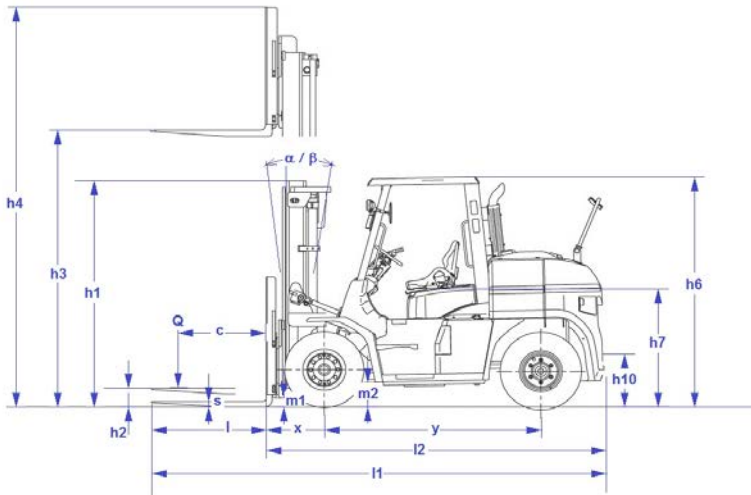
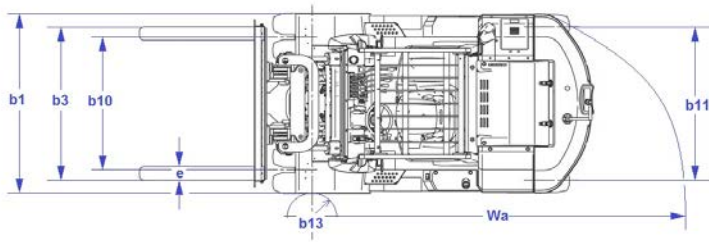
ZX-80

MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Mast name	Max. Fork heigh	Overall height			Free Lift		Tilt angle	Load capacity
			Fully lowered	Fully extended with back rest	Fully extended without back rest	Without Backrest	With Back rest	Forward / Backward	600 mm
			mm	mm	mm	mm	mm	mm	deg
Two stage VM	VM300	3000	2800	4420	4230	205	205	6-12	8.000
	VM330	3300	2950	4720	4445				
	VM350	3500	3050	4920	4645				
	VM400	4000	3350	5420	5145			3-6	7.750
	VM450	4500	3600	5920	5645				
	VM500	5000	3850	6420	6145				
	VM550	5500	4150	6920	6645				
VM600	6000	4400	7420	7145	7.000				
Two stage VFM	VFM300	3000	2700	4420	4210	1580	1345	6-12	8.000
	VFM330	3300	2850	4720	4510	1730	1495		
	VFM350	3500	2950	4920	4710	1830	1595		
	VFM400	4000	3250	5420	5210	2130	1895		
	VFM450	4500	3500	5920	5710	2380	2145		
Three stage VFHM	VFHM400	4000	2575	5400	5165	1455	1220	6-10	7.700
	VFHM435	4350	2700	5750	5515	1580	1345		
	VFHM480	4800	2850	6200	5965	1730	1495		
	VFHM500	5000	2950	6400	6165	1830	1595	3-6	7.600
	VFHM550	5500	3205	6900	6665	2085	1850		
	VFHM600	6000	3375	7400	7165	2255	2020		
	VFHM700	7000	3750	8400	8165	2630	2395		
	VFHM800	8000	4175	9400	9165	3055	2820		

MAIN TRUCK SPECIFICATIONS

ITEM				
Characteristics	1.1	Manufacturer	UniCarriers	
	1.2	Model name	ZX-80	
		Model Variation	FD80-4	
	1.3	Power unit: Electric, Diesel, Gasoline, LPG, others	Diesel	
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit down rider type	
	1.5	Load capacity	Q (t)	8.0
	1.6	Load centre	o (mm)	600
	1.8	Front overhang	x (mm)	720
	1.9	Wheel base	y (mm)	2500
Weights	2.1	Service weight	Kg	11510
	2.2	Axle load with load, front/rear	Kg	17360/2150
	2.3	Axle load without load, front/rear	Kg	5140/6370
Wheels & Tires	3.1	Tires front/rear (C=cushion, SE=superelastic, P=pneumatic)		P(SE)/P(SE)
	3.2	Tire size, front		9.00-20-14PR
	3.3	Tire size, rear		9.00-20-14PR
	3.5	Wheels, number front/rear (x=powered)		4x/2
	3.6	Tread, front	b10 (mm)	1600
	3.7	Tread, rear	b11 (mm)	1700
	Dimensions	4.1	Tilt Mast/carriage, forward/backward	α/β (°)
4.2		Height mast fully lowered	h1 (mm)	2800
4.3		Free lift	h2 (mm)	205
4.4		Lift height	h3 (mm)	3000
4.5		Height mast fully extended	h4 (mm)	4420
4.7		Overhead guard height	h6 (mm)	2660
4.8		Seat height / Standing height	h7 (mm)	1570
4.12		Towing coupler height	h10 (mm)	600
4.19		Overall length	l1 (mm)	5245
4.20		Length to fork face	l2 (mm)	4025
4.21		Overall Width	b1 (mm)	2175
4.22		Fork dimensions	s,e,l (mm)	75x180x1220
4.23		Carriage DIN 15173, class / Form A,B		4A
4.24		Carriage width	b3 (mm)	2000
4.31		Mast underclearance loaded	m1 (mm)	240
4.32		Underclearance centre wheelbase	m2 (mm)	290
4.33	Right angle stacking aisle with pallet 1000x1200 wide	Ast (mm)	5630	
4.34	Right angle stacking aisle with pallet 800x1200 deep	Ast (mm)	5830	
4.35	Turning radius	Wa (mm)	3710	
4.36	Turning radius inner	b13 (mm)	200	
Performance	5.1	Travelling speed with/without load	km/h	24/28
	5.2	Lifting speed with/without load (VM)	mm/s	440/460
	5.3	Lowering speed with/without load (VM)	mm/s	450/450
	5.5	Drawbar pull, with/without load	kN	59.8/27.5
	5.7	Gradeability with/without load	%	25/20
	5.10	Service brake		Hdraulic
Drive	7.1	Engine manufacturer/type		KUBOTA / V3800
	7.2	Engine rated power according ISO 1585	kW	81
	7.3	Rated engine revolutions	rpm	2400
	7.4	Number of cylinders/Displacement	cm3	4 / 3769
Others	8.1	Type of drive control		Torque Converter
	8.2	Working pressure attachments	bar	206
	8.4	Noise level operator's ear according EN 12053	dB (A)	86



ZX-100

MAST SPECIFICATIONS & RATED CAPACITIES

Mast type	Mast name	Max. Fork height	Overall height		Free Lift With/Without Backrest	Tilt angle Forward / Backward	Load capacity
			Fully lowered	Fully extended without Backrest*			
		mm	mm	mm	mm	deg	kg
Two stage VM	VM300	3000	2850	4330	205	6-12	10.000
	VM330	3300	3000	4630			
	VM350	3500	3100	4830			
	VM400	4000	3400	5330			
	VM450	4500	3650	5830			
	VM500	5000	3900	6330			
	VM550	5500	4200	6830			
VM600	6000	4450	7330	3-6	9.000		
							8.000

* backrest is not adopted

MAIN TRUCK SPECIFICATIONS

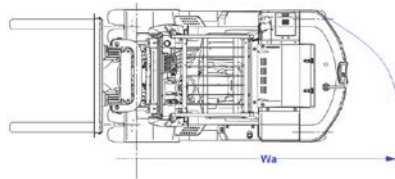
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Characteristics	1.1	Manufacturer	UniCarriers	
	1.2	Model name	ZX-100	
		Model Variation	FD100-4	
	1.3	Power unit: Electric, Diesel, Gasoline, LPG, others	Diesel	
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit down rider type	
	1.5	Load capacity	Q (t)	10.0
	1.6	Load centre	o (mm)	600
	1.8	Front overhang	x (mm)	715
	1.9	Wheel base	y (mm)	2800
Weights	2.1	Service weight	Kg	12910
	2.2	Axle load with load, front/rear	Kg	20660/2250
	2.3	Axle load without load, front/rear	Kg	5980/6930
Wheels & Tires	3.1	Tires front/rear (C=cushion, SE=superelastic, P=pneuma)		P(SE)/P(SE)
	3.2	Tire size, front		9.00-20-14PR
	3.3	Tire size, rear		9.00-20-14PR
	3.5	Wheels, number front/rear (x=powered)		4x/2
	3.6	Tread, front	b10 (mm)	1600
	3.7	Tread, rear	b11 (mm)	1700
Dimensions	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	2850
	4.3	Free lift	h2 (mm)	205
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4330
	4.7	Overhead guard height	h6 (mm)	2660
	4.8	Seat height / Standing height	h7 (mm)	1570
	4.12	Towing coupler height	h10 (mm)	590
	4.19	Overall length	l1 (mm)	5485
	4.20	Length to fork face	l2 (mm)	4265
	4.21	Overall Width	b1 (mm)	2245
	4.22	Fork dimensions	s,e,l (mm)	75x180x1220
	4.23	Carriage DIN 15173, class / Form A,B		--
	4.24	Carriage width	b3 (mm)	2145
	4.31	Mast underclearance loaded	m1 (mm)	240
	4.32	Underclearance centre wheelbase	m2 (mm)	290
	4.33	Right angle stacking aisle with pallet 1000x1200 wide	Ast (mm)	5865
	4.34	Right angle stacking aisle with pallet 800x1200 deep	Ast (mm)	6065
4.35	Turning radius	Wa (mm)	3950	
4.36	Turning radius inner	b13 (mm)	350	
Performance	5.1	Travelling speed with/without load	km/h	24/27
	5.2	Lifting speed with/without load (VM)	mm/s	350/370
	5.3	Lowering speed with/without load (VM)	mm/s	450/350
	5.5	Drawbar pull, with/without load	kN	63,7/31,4
	5.7	Gradeability with/without load	%	21/20
	5.10	Service brake		Hydraulic
Drive	7.1	Engine manufacturer/type		KUBOTA / V3800
	7.2	Engine rated power according ISO 1585	kW	81
	7.3	Rated engine revolutions	rpm	2400
	7.4	Number of cylinders/Displacement	cm3	4 / 3769
Others	8.1	Type of drive control		Torque Converter
	8.2	Working pressure attachments	bar	206
	8.4	Noise level operator's ear according EN 12053	dB (A)	86

ZX FORK SPEC

ZX-60

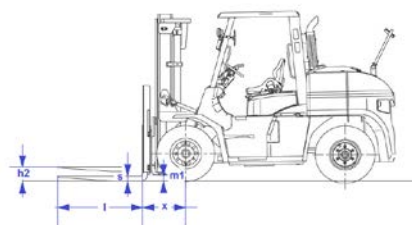
VM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	60	205	615	2.820	250
LF137	1.370				2.920	280
LF152	1.520				3.030	290
LF167	1.670	65	210	620	3.140	340
LF182	1.820				3.250	350
LF197	1.970				3.360	370
LF212	2.120	70	215	625	3.480	390
LF227	2.270				3.600	440
LF242	2.420				3.720	450



VFM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	60	0	615	2.820	250
LF137	1.370				2.920	280
LF152	1.520				3.030	290
LF167	1.670	65	+5	620	3.140	340
LF182	1.820				3.250	350
LF197	1.970				3.360	370
LF212	2.120	70	+10	625	3.480	390
LF227	2.270				3.600	440
LF242	2.420				3.720	450

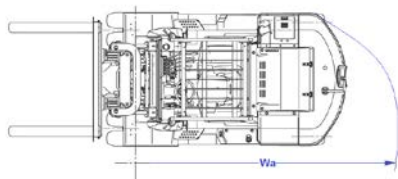


VFHM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	60	0	660	2.850	250
LF137	1.370				2.950	280
LF152	1.520				3.050	290
LF167	1.670	65	+5	665	3.170	340
LF182	1.820				3.280	350
LF197	1.970				3.390	370
LF212	2.120	70	+10	670	3.510	390
LF227	2.270				3.630	440
LF242	2.420				3.760	450

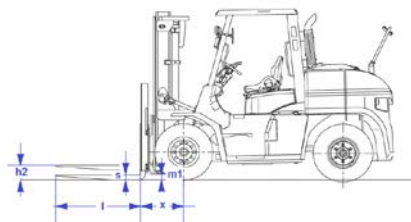
ZX-70 VM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	70	215	625	2.830	300
LF137	1.370				2.930	320
LF152	1.520				3.030	330
LF167	1.670				3.140	360
LF182	1.820				3.250	370
LF197	1.970				3.360	390
LF212	2.120	75	220	630	3.490	450
LF227	2.270				3.600	460
LF242	2.420				3.730	480



VFM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	70	0	625	2.830	300
LF137	1.370				2.930	320
LF152	1.520				3.030	330
LF167	1.670				3.140	360
LF182	1.820				3.250	370
LF197	1.970				3.360	390
LF212	2.120	75	+5	630	3.490	450
LF227	2.270				3.600	460
LF242	2.420				3.730	480



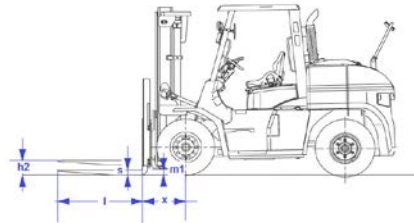
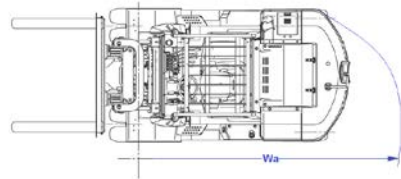
VFHM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	70	0	670	2.850	300
LF137	1.370				2.950	320
LF152	1.520				3.060	330
LF167	1.670				3.170	360
LF182	1.820				3.280	370
LF197	1.970				3.400	390
LF212	2.120	75	+5	675	3.520	450
LF227	2.270				3.640	460
LF242	2.420				3.760	480

ZX-80

VM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	75	205	720	2.980	380
LF137	1.370				3.080	400
LF152	1.520				3.180	420
LF167	1.670				3.290	460
LF182	1.820				3.400	480
LF197	1.970				3.510	500
LF212	2.120				3.630	540
LF227	2.270				3.750	560
LF242	2.420				3.870	580



VFM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	75	0	720	2.980	380
LF137	1.370				3.080	400
LF152	1.520				3.180	420
LF167	1.670				3.290	460
LF182	1.820				3.400	480
LF197	1.970				3.510	500
LF212	2.120				3.630	540
LF227	2.270				3.750	560
LF242	2.420				3.870	580

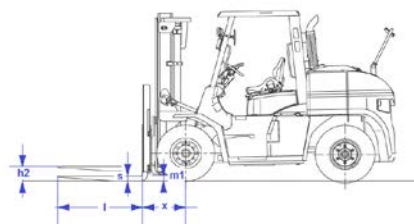
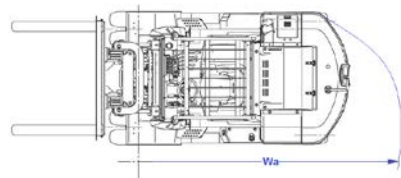
VFHM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	75	0	760	3.010	380
LF137	1.370				3.110	400
LF152	1.520				3.210	420
LF167	1.670				3.320	460
LF182	1.820				3.430	480
LF197	1.970				3.550	500
LF212	2.120				3.660	540
LF227	2.270				3.780	560
LF242	2.420				3.900	580

ZX-100

VM MAST

Fork Model	Fork Length (mm)	Fork Thickness (mm)	Free Lift h2 (mm)	Overhang x (mm)	Turning radius Wa (Fork outside) (mm)	Setting Weight (kg)
LF122	1.220	75	205	715	3.130	370
LF137	1.370	90	220	730	3.240	460
LF152	1.520				3.330	480
LF167	1.670				3.440	530
LF182	1.820				3.540	550
LF197	1.970				3.650	570
LF212	2.120				3.760	620
LF227	2.270				3.880	650
LF244	2.440				4.010	680



ZX SUPPLEMENT DATA

ITEM			ZX-60L	ZX-70L	
Dimensions	Or	Rear Overhang	mm	670	730
	Hh	Head room	mm	1085	1085
		Counterweight height	mm	1720	1720
		Drawbar Pin center Height	mm	520	520
		Floor height	mm	975	975
	Hb	Backrest height	mm	1370	1360
	Gf	Ground clearance under frame	mm	225	225
		Ground clearance under Front axle	mm	200	200
		Ground clearance under Rear axle	mm	210	205
		Ground clearance under Counterweight	mm	285	285
Engine	Rated Torque JIS		Nm / rpm	310/1500	310/1500
	Alternator output		Amp	115	115
	Fuel Tank capacity		lit.	150	150
	Battery capacity		V / Ah	12/155x2	12/64x2
Performance	Lifting speed with VFM mast Loaded/no loaded		mm/s	370/400	370/400
	Lowering speed with VFM mast Loaded/no loaded		mm/s	250/320	320/250
	Lifting speed with VFHM mast Loaded/no loaded		mm/s	370/400	370/400
	Lowering speed with VFHM mast Loaded/no loaded		mm/s	320/250	320/250

ITEM			ZX-60	ZX-70	ZX-80	ZX-100	
Dimensions	Or	Rear Overhang	mm	670	730	805	750
	Hh	Head room	mm	1085	1085	1050	1050
		Counterweight height	mm	1720	1720	1820	1820
		Drawbar Pin center Height	mm	520	520	600	590
		Floor height	mm	975	975	1075	1075
	Hb	Backrest height	mm	1370	1360	1355	--
	Gf	Ground clearance under frame	mm	225	225	290	290
		Ground clearance under Front axle	mm	200	200	255	255
		Ground clearance under Rear axle	mm	210	205	305	300
		Ground clearance under Counterweight	mm	285	285	365	355
Engine	Rated Torque JIS		Nm / rpm	385/1500	385/1500	385/1500	385/1500
	Alternator output		Amp	115	115	115	115
	Fuel Tank capacity		lit.	150	150	150	150
	Battery capacity		V / Ah	12/155x2	12/64x2	12/64 x2	12/64x2
Performance	Lifting speed with VFM mast Loaded/no loaded		mm/s	370/400	370/400	420/440	--
	Lowering speed with VFM mast Loaded/no loaded		mm/s	250/320	320/250	350/290	--
	Lifting speed with VFHM mast Loaded/no loaded		mm/s	370/400	370/400	420/440	--
	Lowering speed with VFHM mast Loaded/no loaded		mm/s	320/250	320/250	350/290	--

ZX LOAD CAPACITY FORKS

ZX-60 FORKS

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	6.000	4.890	3.950	3.310	2.850
VM330					
VM350					
VM400					
VM450					
VM500					
VM550	5.700				
VM600	5.400	4.630			
VFM300	6.000	4.890	3.950	3.310	2.850
VFM330					
VFM350					
VFM400					
VFM450					
VFM500					
VFHM400	5.800	5.370	4.890	4.370	3.950
VFHM435					
VFHM480					
VFHM500	5.700	5.280			
VFHM550	5.500	5.090	4.740		
VFHM600	5.000	4.630	4.310	4.030	3.790
VFHM700	4.000	3.700	3.450	3.230	3.030
VFHM800	2.500	2.310	2.150	2.010	1.890

ZX-70 FORKS

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	7.000	6.010	5.270	4.490	3.870
VM330					
VM350					
VM400					
VM450					
VM500					
VM550	6.600	5.670	4.970	4.430	
VM600	6.400	5.500	4.820	4.290	
VFM300	7.000	6.010	5.270	4.490	3.870
VFM330					
VFM350					
VFM400					
VFM450					
VFM500					
VFHM400	6.800	6.300	5.870	5.500	5.170
VFHM435					
VFHM480					
VFHM500	6.700	6.210	5.780	5.410	5.090
VFHM550	6.400	5.930	5.520	5.170	4.860
VFHM600	6.000	5.560	5.180	4.850	4.560
VFHM700	4.500	4.170	3.880	3.640	3.420
VFHM800	2.700	2.500	2.330	2.180	2.050

ZX-80 FORKS

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	8.000	6.940	6.130	5.490	4.970
VM330					
VM350					
VM400					
VM450					
VM500					
VM550	7.750	6.720	5.940	5.320	4.820
VM600	7.400	6.420	5.670	5.080	4.600
VM600	7.000	6.070	5.370	4.810	4.350
VFM300	8.000	6.940	6.130	5.490	4.970
VFM330					
VFM350					
VFM400					
VFM450					
VFM500					
VFHM400	7.700	7.170	6.710	6.300	5.950
VFHM435					
VFHM480					
VFHM500	7.600	7.070	6.620	6.220	5.870
VFHM550	7.300	6.800	6.360	5.980	5.640
VFHM600	6.700	6.240	5.840	5.480	5.170
VFHM700	5.400	5.030	4.700	4.420	4.170
VFHM800	3.500	3.260	3.050	2.860	2.700

ZX-100 FORKS

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	10.000	8.670	7.340	6.170	5.320
VM330					
VM350					
VM400					
VM450					
VM500					
VM550	9.000	7.810	7.810		
VM600	8.000	6.940	6.130	5.490	4.970

SIDE SHIFT (integral)

ZX-60 SIDE SHIFT

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	6.000	5.160	4.540	4.040	3.650
VM330					
VM350					
VM400	5.800	4.990	4.380	3.910	3.530
VM450	5.500	4.730	4.160	3.710	3.340
VM500	5.250	4.520	3.970	3.540	3.190
VM550	4.850	4.170	3.670	3.270	2.950
VM600	4.400	3.790	3.330	2.960	2.670
VFHM400	5.500	5.110	4.780	4.370	3.950
VFHM435					
VFHM480	5.300	4.920	4.600	4.320	
VFHM500	5.200	4.830	4.520	4.240	
VFHM550	4.800	4.460	4.170	3.910	
VFHM600	4.200	3.900	3.650	3.420	
VFHM700	2.900	2.690	2.520	2.360	2.220
VFHM800	1.500	1.390	1.300	1.220	1.150

ZX-70 SIDE SHIFT

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	7.000	6.030	5.300	4.720	4.260
VM330					
VM350					
VM400	6.800	5.860	5.150	4.590	4.140
VM450	6.500	5.600	4.920	4.390	3.960
VM500	6.250	5.380	4.730	4.220	3.810
VM550	5.700	4.910	4.310	3.850	3.470
VM600	5.200	4.480	3.930	3.510	3.170
VFHM400	6.400	5.950	5.560	5.220	4.920
VFHM435					
VFHM480	6.200	5.760	5.390	5.060	4.770
VFHM500	6.100	5.670	5.300	4.980	4.690
VFHM550	5.600	5.210	4.870	4.570	4.310
VFHM600	5.000	4.650	4.350	4.080	3.850
VFHM700	3.000	2.790	2.610	2.450	2.310
VFHM800	1.550	1.440	1.340	1.260	1.190

ZX-80 SIDE SHIF

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	8.000	6.960	6.150	5.520	5.000
VM330					
VM350					
VM400	7.800	6.780	6.000	5.380	4.880
VM450	7.500	6.520	5.770	5.170	4.690
VM500	7.250	6.300	5.580	5.000	4.530
VM550	6.600	5.740	5.080	4.550	4.130
VM600	6.000	5.220	4.610	4.140	3.750

ZX-100 SIDE SHIFT

Unit: Kg

Mast name	Load center				
	600	800	1.000	1.200	1.400
VM300	10.000	8.710	7.720	6.930	6.290
VM330					
VM350					
VM400	9.000	7.840	6.950	6.240	5.660
VM450					
VM500	7.000	6.100	5.400	4.850	4.400
VM550	7.000	6.100	5.400	4.850	4.400
VM600	6.000	5.220	4.630	4.160	3.770

ZX TRUCK WEIGHT

Unit: kg

MAST	ZX-60L	ZX-70L	ZX-60	ZX-70	ZX-80	ZX-100
VM300	8610	9480	8.670	9.540	11.510	12.910
VM330	8660	9530	8.720	9.590	11.570	12.970
VM350	8690	9560	8.750	9.620	11.610	13.020
VM400	8880	9750	8.940	9.810	11.850	13.270
VM450	8970	9840	9.030	9.900	11.940	13.370
VM500	9040	9910	9.100	9.970	12.030	13.480
VM550	9240	10110	9.300	10.170	12.270	13.730
VM600	9320	10190	9.380	10.250	12.360	13.830
VFM300	8610	9480	8.670	9.540	11.510	--
VFM330	8665	9535	8.725	9.595	11.560	--
VFM350	8695	9565	8.755	9.625	11.600	--
VFM400	8890	9760	8.950	9.820	11.830	--
VFM450	8970	9840	9.030	9.900	11.920	--
VFHM400	8530	9400	8.590	9.460	11.450	--
VFHM435	8610	9480	8.670	9.540	11.510	--
VFHM480	8690	9560	8.750	9.620	11.590	--
VFHM500	8730	9600	8.790	9.660	11.650	--
VFHM550	8870	9740	8.930	9.800	11.780	--
VFHM600	9065	9935	9.125	9.995	12.010	--
VFHM700	9245	10115	9.305	10.175	12.210	--
VFHM800	9550	10420	9.610	10.480	12.545	--

ZX ADDITIONAL TRUCK WEIGHT

TIRES

Unit: kg

Model (capacity code)		60	70	80	100	
Front	Double	Pneumatic	0	0	0	0
		Super Elastic	240	240	430	430
Rear	Single	Pneumatic	0	0	0	0
		Super Elastic	140	140	220	220

FORKS

Unit: kg

Model (capacity code)		60	70	80	100
Fork Length mm	Without fork	-250	-300	-380	-370
	1370	30	20	20	90
	1520	40	30	40	110
	1670	90	60	80	160
	1820	100	70	100	180
	1970	120	90	120	200
	2120	140	150	160	250
	2270	190	160	180	280
	2420	200	180	200	310

CARRIAGE & BACKREST

Unit: kg

Model (capacity code)	60	70	80	100
Wide carriage WF183	30	30	45	-
Extra wide carriage WF240	240	240	240	-

SIDE SHIFT

Unit: kg

Model (capacity code)		60	70	80	100
VM MAST	VM330	50	50	60	60
	VM350	80	80	100	110
	VM400	270	270	340	360
	VM450	360	360	430	460
	VM500	430	430	520	570
	VM550	630	630	760	820
	VM600	710	710	850	920
VFHM MAST	VFHM400	-80	-80	-	-
	VFHM435	0	0	-	-
	VFHM480	80	80	-	-
	VFHM500	120	120	-	-
	VFHM550	260	260	-	-
	VFHM600	455	455	-	-
	VFHM700	635	635	-	-
	VFHM800	940	940	-	-

ZX STANDARD EQUIPMENT AND ACCESSORIES

EQUIPMENT	▪ Adjustable ORS seat with belt
	▪ Automatic shifting T/M
	▪ Converter oil cooler
	▪ Donaldson cyclopac air cleaner
	▪ Dual air element(ADE)
	▪ DOC/DPF Muffler (only 81kw Model) 《New》
	▪ * 55kw Model is only DOC Muffler 《New》
	▪ Urea SCR Muffler (only 81kw Model) 《New》
	▪ * 55kw Model is not provided
	▪ Overhead exhaust pipe (TUE)
	▪ Drawbar device
	▪ Durable overhead guard
	▪ Flow control valve
	▪ Fork length 1220mm(48in)
	▪ Fuel filter & water sedimenter (WTS)
	▪ Full hydrostatic power steering (WTS)
	▪ Synchronized steering mechanism (SRS)
	▪ Gas cylinder type bonnet latch
	▪ Gas cylinder type Rear Engine cover 《New》
	▪ High capacity AC alternator 12V-115A 《New》
	▪ High-visibility wide -view mast (VM300)
	▪ Lift circuit cut-off valve
	▪ Load backrest ¹⁾
	▪ Long-life pneumatic tires ²⁾
	▪ Neutral start safety system
	▪ Wet multiple disc brake
	▪ Power brake system
	▪ Radiator coolant reservoir
	▪ Transmission oil dipstick
	▪ Transmission oil return filter
	▪ Traveling and Loading interlock system
	▪ Eco/Power mode select
▪ Speed limit mode	
▪ 2-spool control valve with pressure relief	
▪ Idling REV-Up switch 《New》	

ZX STANDARD EQUIPMENT AND ACCESSORIES

CONTROLS	▪ Auto glow system
	▪ Electric T/M shift control lever
	▪ Key switch-engine start/stop
	▪ DPF switch (Only 81kw Model)
	▪ Lift and tilt levers
	▪ Multi-function switch lever with self-cancelling mechanism(Lighting & turn-signal)
	▪ Parking brake lever with inter-lock
	▪ Tilt adjustable steering post

Instruments and switch	▪ Battery charging indicator
	▪ Electric horn
	▪ Engine glow indicator
	▪ Engine hourmeter
	▪ Engine oil pressure warning indicator
	▪ Fuel gauge
	▪ Neutral safety indicator
	▪ Water sedimenter indicator
	▪ Water temperature gauge
	▪ Speedometer
	▪ Maintenance monitor
	▪ Rear Tire Steer Angle Indicator 《New》
	▪ DPF sedimentation Indicator (Only 81kw Model) 《New》
	▪ UREA SCR Indicator (Only 81kw Model) 《New》

ACCESSORIES 12 electric system (NEW)	▪ Access-assisted handgrip : Front & Rear 《New》
	▪ Back-up buzzer
	▪ Back-up light
	▪ Deluxe floor mat
	▪ Front combination lights (turn signal, clearance)
	▪ Head lights - traffic purpose
	▪ Pen holder
	▪ Rear combination lights
	▪ Side view mirrors
	▪ Rear view mirrors 《New》

NOTE: ¹⁾ Excluded FD100

²⁾ STD tread profile : J-LUG

ZX OPTION AVAILABILITY

Family	● = Standard, ○ = Option, -- = Not available							
	Description	Code	ZX-60L	ZX-70L	ZX-60	ZX-70	ZX-80	ZX-100
Mast type	2 Stage Mast VM (2W)	VM...	○	○	○	○	○	○
	Full Free 2 Stage mast VFM (2F)	VFM...	○	○	○	○	○	-
	Full Free 3 Stage mast VFHM (3F)	VFHM...	○	○	○	○	○	-
	Without mast	VMZZZ	○	○	○	○	○	○
Mast Height	Refer to Specs	-	○	○	○	○	○	○
Control valve	2 spool valve	2SV	●	●	●	●	●	●
	3 spool valve	3SV	○	○	○	○	○	○
	4 spool valve	4SV	○	○	○	○	○	○
	5 spool valve	5SV	○	○	○	○	○	○
Fork	L: 1220mm	LF122	●	●	●	●	●	●
	L: 1370mm	LF137	○	○	○	○	○	○
	L: 1520mm	LF152	○	○	○	○	○	○
	L: 1670mm	LF167	○	○	○	○	○	○
	L: 1820mm	LF182	○	○	○	○	○	○
	L: 1970mm	LF197	○	○	○	○	○	○
	L: 2120mm	LF212	○	○	○	○	○	○
	L: 2270mm	LF227	○	○	○	○	○	○
	L: 2420mm	LF242	○	○	○	○	○	-
	L: 2440mm	LF244	-	-	-	-	-	○
Without Fork	LFZZZ	○	○	○	○	○	○	
Fork extensions sleeve	L: 1800mm	EF180	○	○	○	○	○	○
	L: 2000mm	EF200	-	-	-	-	-	○
	L: 2100mm	EF210	○	○	○	○	○	-
	L: 2250mm	EF225	○	○	○	○	○	-
	L: 2400mm	EF240	-	-	-	-	-	○
Side shift	Side shift, shaft type for VM	SS425	TBD	-	TBD	-	-	-
	Side shift, shaft type for VM	SS426	-	TBD	-	TBD	-	-
	Side shift, shaft type for VM	SS435	-	-	-	-	TBD	-
	Side shift, shaft type for VM	SS441	-	-	-	-	-	TBD
	Side shift, shaft type for VFHM	SS427	TBD	TBD	TBD	TBD	-	-
Carriage	Wide carriage for VM	WF183	○	○	○	○	○	-
	Extra Wide Carriage for VM	WF240	○	○	○	○	○	-
Piping	3rd piping for VM300-400	AP3400	○	○	○	○	○	○
	3rd piping for VM450-600	AP3600	○	○	○	○	○	○
	3rd & 4th piping for VM300-400	AP4400	○	○	○	○	○	○
	3rd & 4th piping for VM450-600	AP4600	○	○	○	○	○	○
	3rd piping for VFM/VFHM -350	A3R350	○	○	○	○	○	--
	3rd piping for VFM/VFHM 400 -	A3R500	○	○	○	○	○	--
	3rd & 4th piping for VFM/VFHM -350	A4R350	○	○	○	○	○	--
3rd & 4th piping for VFM/VFHM 400-	A4R500	○	○	○	○	○	--	
Backrest	STD Backrest 1000 mm	BRE	●	●	●	●	●	-
	Backrest for extra wide carriage	WWB	○	○	○	○	○	-
	Backrest for wide carriage	WBR	○	○	○	○	○	-
	Without Backrest	BREZZZ	○	○	○	○	○	-
Tires	Front dual pneumatic tire J lug	TJW	●	●	●	●	●	●
	Rear pneumatic tire J lug	TJR	●	●	●	●	●	●
	Front dual SE tire (Super Elastic type)	TUJW	○	○	○	○	○	○
	Rear SE tire (Super Elastic type)	TUJR	○	○	○	○	○	○
	Front dual SE tire (Soft compound type)	TUSW	○	○	○	○	-	-
	Rear SE tire (Soft compound type)	TUSR	○	○	○	○	-	-
	Front dual White tire (Super Elastic type)	TUWFA	○	○	○	○	○	○
	Rear White tire (Super Elastic type)	TUWR	○	○	○	○	○	○

ZX OPTION AVAILABILITY

Family	• = Standard, O = Option, -- = Not available	Code	ZX-60L	ZX-70L	ZX-60	ZX-70	ZX-80	ZX-100
	Description							
Engine	Limit maximum travel speed (from factory)	SCS**	O	O	O	O	O	O
	Upright exhaust muffler	TUE	•	•	•	•	•	•
	Pre air cleaner	CAKB	O	O	O	O	O	O
	Fin radiator	DSRSTD	•	•	•	•	•	•
	Dust Screen 7 x 7 mesh / inch	DSR006	O	O	O	O	O	O
	Dust Screen 9 x 9 mesh / inch	DSR008	O	O	O	O	O	O
	Straight fin radiator	RADPF	O	O	O	O	O	O
Body	Overhead guard canvas roof	HGC	O	O	O	O	O	O
	Heater	HR	O	O	O	O	O	O
	Direction change lever at right hand	LCR	O	O	O	O	O	O
	Rear Assist grip	AGH	O	O	O	O	O	O
Environment	Hydraulic oil cooler	CRH	O	O	O	O	O	O
	Large capacity battery	WS	O	O	O	O	O	O
	Tilt cylinder boots	TBL	O	O	O	O	O	O
	Power steering boots	PSB	O	O	O	O	O	O
	Exhaust cover	CEX	O	O	O	O	O	O
	Propeler shaft cover	PPSC	O	O	O	O	O	O
	Mast tilt gauge	TG	O	O	O	O	O	O
Accessories	OK monitor	OKM	O	O	O	O	O	O
	Torque converter oil temperature gauge	TTM	O	O	O	O	O	O
	Back-up buzzer by high volume	BBH	O	O	O	O	O	O
	Rear working light	RWL	O	O	O	O	O	O
	Rear working light LED	RWL LED	O	O	O	O	O	O
	Rear working light(Left and Right)	RWL2	O	O	O	O	O	O
	Revolving yellow light < diameter 140 mm>	RLY	O	O	O	O	O	O
	Revolving yellow light LED < diameter 140 mm>	RLY LED	O	O	O	O	O	O
	Revolving yellow light < diameter 170 mm>	RLY017	O	O	O	O	O	O
	Revolving red light LED < diameter 140 mm>	RLR LED	O	O	O	O	O	O
	Light linked with travelling backward	BBR	O	O	O	O	O	O
	Head light on mast with protection guard	BKH	O	O	O	O	O	O
	Central rear view mirror	BMC	O	O	O	O	O	O
	LED lamps (rear comb. and back-up)	CLR-L	O	O	O	O	O	O
	Flash light	FLL	O	O	O	O	O	O
	Front working lamp (on fender)	FWL	O	O	O	O	O	O
	Front working lamp (on fender) LED	FWL LED	O	O	O	O	O	O
	Front working lamp (on mast)	FWL M	O	O	O	O	O	O
	Front working lamp (on mast) LED	FWL LM	O	O	O	O	O	O
	LED lamp (Head lamp)	HLL	O	O	O	O	O	O
	Load meter	LM	O	O	O	O	O	O
	Large size rear view mirror	LSM	O	O	O	O	O	O
	Travelling speed alarm	SASB**	O	O	O	O	O	O
	Travelling speed light	SASR**	O	O	O	O	O	O
	Travelling speed alarm and light	SASC**	O	O	O	O	O	O
	Inching module squeezing dia 2,0	MVS	O	O	O	O	O	O
	Tool kit	TO	O	O	O	O	O	O
Tool box	TOB	O	O	O	O	O	O	
LED red line warning light	SLL	O	O	O	O	O	O	

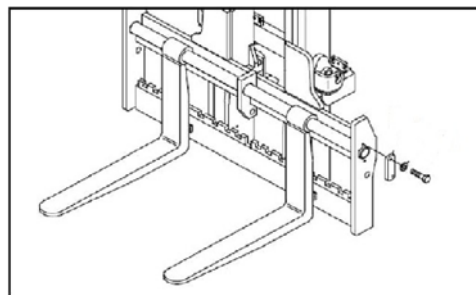
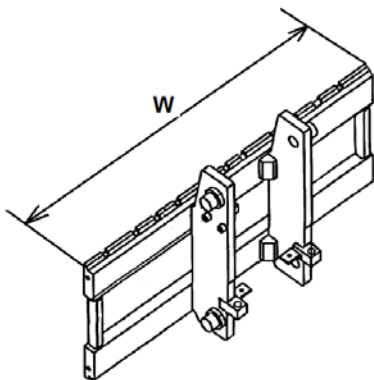
** Speed can be selected at ordering.

ZX CARRIAGE, ATTACHMENTS

CARRIAGE

Unit: mm

Model (capacity code)		60	70	80	100
Class DIN 15173		4A			*
Carriage width (W)	STD	1700	1700	1800	2145
	Wide (WF183)	1830	1830	2000	--
	Extra Wide (WF240)	2400	2400	2400	--
Min. Fork spread	STD	300	300	360	405
	Wide (WF183)	300	300	360	--
	Extra Wide	300	300	360	--
Max. Fork spread	STD	1700	1700	1800	2145
	Wide (WF183)	1830	1830	2000	--
	Extra Wide	2400	2400	2400	--

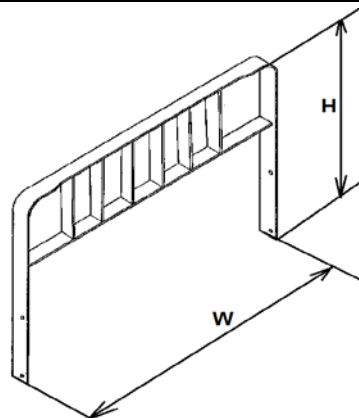


* Carriage for ZX-100 is Shaft Type, for Pin type forks

BACKREST

Unit: mm

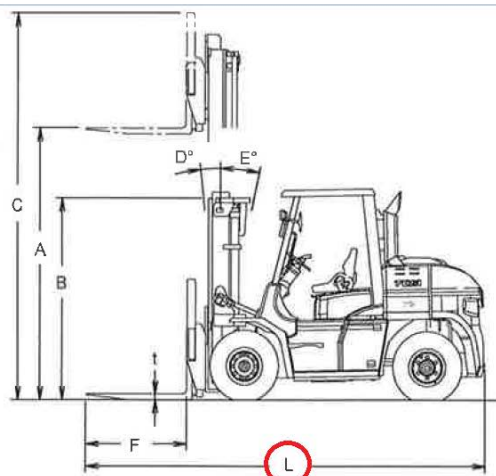
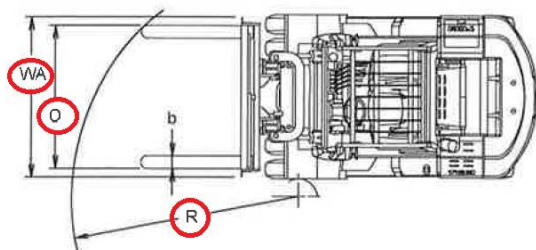
Model (capacity code)		60	70	80	100
Backrest height (H)	STD	1370	1360	1355	--
Backrest width (W)	STD	1995	1995	2165	--
	Wide backrest	2560	2560	2560	--



INTEGRAL SIDE SHIFT (shaft type)

VM mast

Specification	Model			
	ZX-60	ZX-70	ZX-80	ZX-100
Load centre (mm)	600	600	600	600
Carriage Width WA (mm)	1870	1870	1970	2245
Fork spread O (mm)	300-1700	300-1700	360-1800	405-2145
Side Shift movement (mm)	150	150	150	150
Total length L (mm) VM	4860	4930	5290	5530
Total length L (mm) VFHM	4875	4945	-	-
Fork dimensions (mm)	1220x150x60	1220x150x70	1220x180x75	1220x180x75
Turning radius R (mm) VM	2810	2820	2935	3190
Turning radius R (mm) VFHM	2840	2850	-	-



ZX TIRE SIZE

DESCRIPTION		ZX-60 / ZX-70		ZX-80 / ZX-100	
		Front	Rear	Front	Rear
Pneumatic	Rim	6.50Tx15	6.50Tx15	7.00Tx20	7.00Tx20
	Tire	8.25-15-14PR	8.25-15-14PR	9.00x20-14PR	9.00x20-14PR
Super Elastic	Rim	6.50Tx15	6.50Tx15	7.00Tx20	7.00Tx20
	Tire	8.25-15	8.25-15	9.00x20	9.00x20

ZX UNIT SPECIFICATION

		ZX-60/70L	ZX-60/100
ENGINE SYSTEM	Model	KUBOTA - V3800	
	Classification	Diesel	
	Cycle	4	
	Type	4 cylinder common rail turbo diesel intercooler	
	Displacement (cc)	3769	
	Bore x Stroke (mm)	100 x 120	
	Air cleaner	Donaldson cyclone aircleaner	
	Governor	Electronic variable speed control	
	Oil filter	Paper element type	
	Oil pump	Gear type	
	Injection pump	Electric common rail type	
	Fuel pump	Rotary type	
	Water pump	Impeller type	
	Radiator	Corrugated fin	
	Battery	2x12V 55Ah (ZX-60) / 2x12V 64Ah (ZX-70-100)	
Alternator	High capacity AC Alternator 12V / 115A		
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Automatic power shift (2 stage forward/reverse)
STEERING SYSTEM	Type	Full hydrostatic power steering	
	Steering unit	Orbitrol	
	Power cylinder	Mounted on steering axle	
	Steering wheel	Tilt adjustable steering column	
DRIVE AXLE	Type	Full floating type	
STEERING AXLE	Type	Built-in hydraulic cylinder type	
BRAKE SYSTEM	Service brake	Front wheel hydraulic wet type disc brakes	
	Parking brake	Internal expansion type, on transmission output shaft	
FRAME & BODY	Frame structure	Fully welded box section type, with built in tanks	
	Overhead guard	5-piece reinforced overhead guard	
	Fuel tank	Built in frame 150 liter	
	Hydraulic oil tank	Built in frame, 75 liter	
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, transmission power take off	
	Control valve	Sectional type with tilt lock valve	
	Lift cylinder	Single action piston type	
	Oil filter	Suction filter type	
LOADING SYSTEM	Mast	Roller type, telescopic mast	
	Carriage	Class IV	
	Forks	Forged alloy steel, hook type	
INSTRUMENTS	Gauge & meter	LDC Display: Fuel & water temperature gauge / Hour meter-clock / DPF regeneration progress and Urea SCR indicator (only 82kW) / speed meter / rear tire angle indicator /	
	Warning lamp (LED)	Engine auto glow indicator/Direction control lever position/ travel speed limiter activated/ ECO mode setting / Oil pressure warning /Engin check warning Charge warning / Brake warning / Interlook warning /DPF indicator/ Engine warning Fuel warning / Engine auto stop function activated indicator	
	Switch & knob	Lighting switch/Starter switch/Turn signal switch/Direction control lever Speed select switch/ time swith / ECO Switch /maintenance switch/ DPF manual regeneration SW / Gear shift pattern selector	