

BOMAC

ENGINE BY

**ISUZU
BOMAC
MITSUBISHI**

2-3.5 Ton

**BALANCE WEIGHT TYPE
FORKLIFT**





BALANCE WEIGHT TYPE
FORKLIFT
2-3.5 Ton

BOMAC

Reliable forklift

Reliability is based on first-class manufacturing technology.

A reliable Drive system



As the most reliable transmission system produced by BOMAC it has been validated by over twenty years' experience in World market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- ✓ Durable transmission
- ✓ Equipped with the intake system & intake silencer
- ✓ Optional air filter pressure alarm device
- ✓ Automatic engine preheating system
- ✓ Cyclone Air Filter
- ✓ Lost foam casting
- ✓ Various high-power engines are available for customers' optional choices, and the emission meets the latest European & American environmental regulation, optional choices, and the emission meets the latest European.

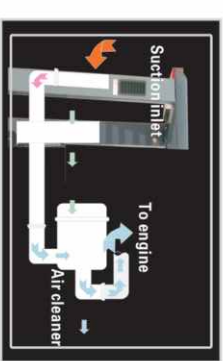
Ease of service



- ✓ Installation of heat resistance and sound absorbing material and rubber sealing.
- ✓ Easy lift engine hood with wide 80 degree opening.
- ✓ Engine hood assist damper with lock device.

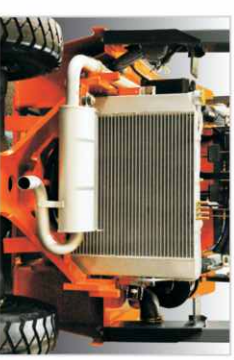


Air intaking system



Air suction inlet installing on top of the overhead guard brace far away from the dust produced when travelling, cleaner air sucked prolonging engine service life.

Excellent cooling system



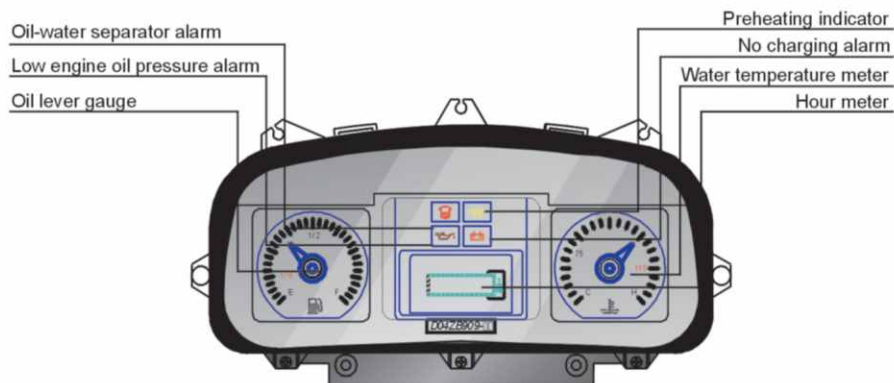
- ✓ Using Aluminium plain plate corrugated fin type radiator, Which has higher heat transference capability.
- ✓ Optimise cooling system and ensure engine performance even in extreme temperatures and environments.

Reliable casting steering axle

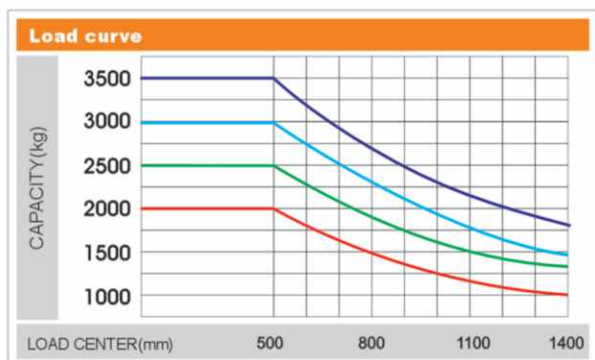
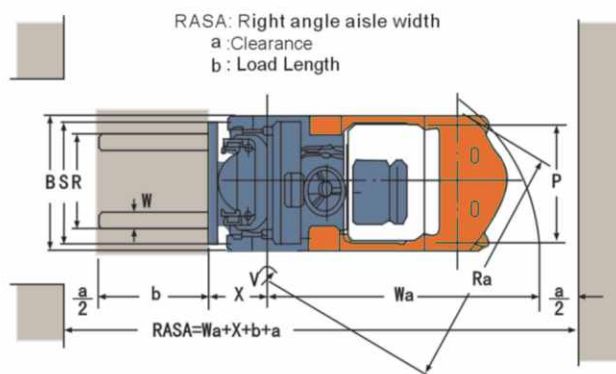
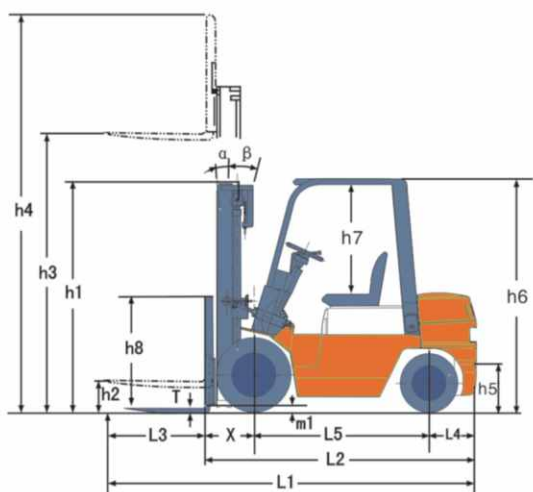


- ✓ Compact structure, small deformation when loading.
- ✓ Shock absorber installed improving driving comfort.
- ✓ Dust proof and water proof structure increasing service life and reliability effectively.
- ✓ Low maintenance cost in later stage

Meter function diagram



- ✓ Stepping motor core
- ✓ Fit CE electric safety standard
- ✓ Programmable digitization meter
- ✓ Protection degree IP54
- ✓ Loading output port expanding meter function



RD35M/RD35A

RD25M/RD25A

RD30M/RD30A

RD20M/RD20A

Note:

Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mask tilts forward, using non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.



BALANCE WEIGHT TYPE
FORKLIFT

2-3.5 Ton



Manufacturers Data and Design Characteristics

Characteristics												
1	Manufactory		BOMAC									
2	Model		R(G)P25M	R(G)P25A	R(G)P30M	R(G)P30A	R(G)P35M	R(G)P35A	RD20M	RD25M	RD30M	RD35M
3	Power Type		Gasoline or LPG								Diesel	
4	Rated Capacity		2500		3000		3500		2000		2500	3500
5	Load Center	kg	500									
6	Driving mode		Sit-on type									
Size												
7	Overall max lifting height (with backrest)	h4	4030		4262		4262		4030		4030	4262
8	Max Lifting height	h3							3000			
9	Height mast retracted(upright)	h1	2000		2065		2180		2000		2000	2180
10	Free lift height	h2	170		160		170		170		170	170
11	Backrest height(from upper face of forks)	h8	995		1227		1222		995		1227	1222
12	Overhead Guard clearance(from face of seat)	h7			1000						1000	
13	Overall height(overhead guard)	h6	2170		2190		2190		2170		2170	2190
14	Overall length(without forks)	(L1/L2)	3646/2576		3752/2682		3753/2683		3422/2502		3646/2576	3752/2682
15	Front overhang	X	477		479		498		477		477	498
16	Rear overhang	L4	494		495		495		420		494	495
17	Wheel base	L5	1600		1700		1700		1600		1600	1700
18	Coupler height	h5	290		310		310		290		310	310
19	Min.ground clearance under mast	m1	110		135		135		110		135	135
20	Overall width	B	1170		1225		1225		1170		1170	1225
21	Lateral fork adjustment(Outside of fork)	R	1024/200		1060/250		1060/250		1024/200		1060/250	1060/250
22	Tread(front)	(S/P)	970/970		1000/970		1000/970		970/970		970/970	1000/970
23	Outside turning radius	V/a	2240		2420		2400		2170		2240	2400
24	Inside turning radius	V	160		200		200		160		160	200
25	Min.intersecting aisle	Ra	2280		2380		2400		2200		2280	2400
26	Tilting angles(forward/backward)	α / β			$6^{\circ} / 12^{\circ}$						$6^{\circ} / 12^{\circ}$	
27	Fork Size	a × b × c	1070 × 122 × 40		1070 × 125 × 45		1070 × 125 × 50		920 × 122 × 40		1070 × 122 × 40	1070 × 125 × 50
Performance												
28	Max. Traveling speeds (laden/unladen)		19/20		19/20		19/19		18/19		18/19	19/19
29	Lifting Speeds (laden/unladen)	mm/s	480/530		450/500		340/380		506/545		506/545	370/400
30	Lowering Speeds (laden/unladen)	mm/s	450/550		450/550		350/400		450/550		450/550	350/370
31	Max. Draw-bar pull (laden/unladen)	kN	9.8/8.6	12/8.6	13.5/9.8	15/9.8	14/9.8	17/9.8	18.3/13.3	20/16.9	20/16.9	20/16
32	Max. Negotiable Gradient(laden/unladen)	%	15/20	15/20	17/20	19/16.9	15/15	14.5/15	20/20		15/20	20/20
Weight												
33	Service Mass	kg	3680		4270		4700		3320		3680	4700
34	Load Wheel laden(Front/Rear)	kg	5562/618		6543/727		7380/820		4788/532		5562/618	7380/820
35	Load Wheel unladen(Front/Rear)	kg	1472/2208		1708/2562		1880/2620		1328/1982		1472/2208	1880/2620
Tyres												
36	Wheel(Front/Rear) X=Driving Wheel				2X/2							
37	Type(Front/Rear)				Pneumatic tyre							
38	Type size(Front/Rear)		7.00-12-12PR/6.00-9-10PR	28 × 9-15-12PR/ 6.50-10-10PR	28 × 9-15-14PR/ 6.50-10-10PR	7.00-12-12PR/6.00-9-10PR	7.00-12-12PR/6.00-9-10PR	28 × 9-15-12PR/ 6.50-10-10PR	28 × 9-15-14PR/ 6.50-10-10PR			
39	Service Brake				Hydraulic-Foot Pedal							
40	Parking Brake				Mechanical-Hand Lever							
Drive and transmission control device												
41	Battery Voltage/Capacity	V/Ah			12/80							
42	Internal Combustion Engine Model		BOMAC TX2-K7			MITSUBISHI SAS-2363			ISUZU C240PKJ			ISUZU 4JG2
43	Internal Combustion Engine Rated Output	kW/rpm	40/2650			35.4/2250			35.4/2500			44.9/2450
44	Internal Combustion Engine Rated Torque	Nm/rpm	160/1800-2000			4			4-94 X 120			186.3/1600-1800
45	Internal Combustion Engine Number of Cylinder		4			2.670			3.331			4.95.4 × 107
46	Internal Combustion Engine Displacement	L	2.670			60			2.369			3.059
47	Internal Combustion Engine Fuel Tank Capacity	L										
48	Transmission Number of Speed Fwd/Bwd type					1-1:Power Shift T/M / 2-2:Manual Shift T/M						

2-3.5t WIDE VIEW MAST

Mast type	Max. Lifting height (mm)	Loading capacity (load center 500mm) (kg)				Mast overall height C(mm)			Mast tilting angle ForwardBackward	Service weight (kg)			
		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A	2-2.5t	3t	3.5t		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A
M200	2000	2000	2500	3000	3500	1500	1570	1680	6-12	3235	3595	4180	4600
M250	2500	2000	2500	3000	3500	1750	1820	1930	6-12	3280	3640	4235	4650
M300	3000	2000	2500	3000	3500	2000	2070	2180	6-12	3320	3680	4270	4700
M330	3300	2000	2500	3000	3500	2150	2220	2330	6-12	3350	3708	4295	4730
M350	3500	2000	2500	3000	3500	2250	2320	2430	6-12	3365	3725	4320	4750
M370	3700	2000	2500	3000	3500	2350	2420	2530	6-6 *6-12	3385	3745	4330	4770
M400	4000	2000	2500	3000	3200 *3500	2550	2620	2730	6-6 *6-12	3450	3810	4390	4840
M425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2675	2745	2855	6-6 *6-12	3470	3830	4410	4870
M450	4500	1800 *1900	2150 *2400	2750 *3000	3000 *3050	2800	2870	2980	6-6 *6-12	3490	3850	4435	4890
M500	5000	1600 *1700	1650 *2200	2400 *2850	2500 *2850	3050	3120	3230	6-6 *6-6	3535	3895	4475	4940
M550	5500	*1600	*1950	*2400	*2500	3350	3420	3530	*3-6	3730	4085	4645	5145
M600	6000	*1500	*1800	*2200	*2300	3600	3670	3780	*3-6	3770	4130	4695	5185

Note: (1) Service weight in the table is the weight of truck installed with double-tyre. +110kg.
 (2) *means the loading capacity when front tyre is double-tyre.
 (3) Max. lifting height with backrest: +580mm.

2-3.5t WIDE VIEW FULL FREE 2-STAGE MAST

Mast type	Max. Lifting height (mm)	Loading capacity (load center 500mm) (kg)				Mast overall height C(mm)			Free lift (with backrest)			Mast tilting angle ForwardBackward	Service weight (kg)			
		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A
ZM200	2000	2000	2500	3000	3500	1495	1570	1680	495	350	560	6-12	3285	3645	4230	4670
ZM250	2500	2000	2500	3000	3500	1745	1820	1930	745	600	710	6-12	3330	3690	4270	4720
ZM300	3000	2000	2500	3000	3500	1995	2070	2180	995	850	960	6-12	3370	3730	4320	4770
ZM330	3300	2000	2500	3000	3500	2145	2220	2330	1145	1000	1100	6-12	3400	3760	4345	4795
ZM350	3500	2000	2500	3000	3500	2245	2320	2430	1245	1100	1210	6-6 *6-12	3415	3775	4365	4815
ZM370	3700	2000	2500	3000	3500	2370	2420	2530	1370	1225	1335	6-6 *6-12	3430	3790	4380	4835
ZM400	4000	2000	2500	2500	3200 *3500	2545	2620	2730	1545	1400	1510	6-6 *6-12	3495	3855	4450	4900
ZM425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2670	2745	2855	1670	1525	1635	6-6 *6-12	3515	3875	4475	4925
ZM450	4500	1800 *1900	2150 *2400	2750 *3000	3000 *3050	2795	2870	2980	1795	1650	1760	6-6 *6-6	3540	3900	4495	4950
ZM500	5000	1600 *1700	1650 *2200	2400 *2850	2500 *2850	3045	3120	3230	2045	1920	2010	*3-6	3580	3940	4540	5000
ZM550	5500	*1600	*1950	*2450	*2500	3345	3420	3530	2345	2200	2310	*3-6	3770	4130	4730	5195
ZM600	6000	*1500	*1800	*2200	*2300	3595	3670	3780	1595	2450	2560	*3-6	3815	4175	4775	5250

Note: (1) free lifting height of 2-2.5t forklift truck (without backrest): +435mm
 free lifting height of 3-3.5t forklift truck (without backrest): +580mm
 (2) Service weight in the table is the weight of truck installed with double-tyre. +110kg
 (3) *means the loading capacity when front tyre is double-tyre.

2-3.5t WIDE VIEW FULL FREE 3-STAGE MAST

Mast type	Max. Lifting height (mm)	Loading capacity (load center 500mm) (kg)				Mast overall height C(mm)			Free lift (with backrest)			Mast tilting angle ForwardBackward	Service weight (kg)			
		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		RD20M/RD20A	RD25M/RD25A	RD30M/RD30A	RD35M/RD35A
ZSM360	3600	2000	2400	2900	3300	1795	1946	1985	755	670	710	6-6 *6-6	3540	3900	4510	4825
ZSM400	4000	1900	2400	2900	3300	1920	2065	2115	880	795	845	6-6 *6-6	3570	3930	4540	4855
ZSM435	4350	1850 *1900	2200 *2400	2800 *2900	2900 *3000	2045	2190	2240	1005	920	970	6-6 *6-6	3600	3960	4565	4880
ZSM450	4500	1750 *1800	2150 *2300	2700 *2800	2800 *2900	2095	2240	2340	1055	970	1070	6-6 *6-6	3610	3970	4580	4895
ZSM470	4700	1720 *1800	2000 *2300	2600 *2800	--	2160	2240	--	1120	970	--	6-6 *6-6	3625	3985	4600	4915
ZSM480	4800	1700 *1800	1950 *2300	2500 *2800	2600 *2900	2195	2340	2440	1155	1070	1170	6-6 *6-6	3630	3990	4620	4935
ZSM500	5000	1600 *1750	1650 *2250	2400 *2750	2450 *2850	2295	2440	2565	1255	1170	1295	6-6 *6-6	3655	4015	4645	4960
ZSM540	5400	1450 *1700	1500 *2150	2250 *2650	2300 *2700	2420	2565	2665	1380	1295	1395	3-6 *3-6	3685	4045	4675	4990
ZSM600	6000	950 *1600	1000 *1800	1500 *2100	1550 *2200	2645	2790	2885	1605	1520	1615	3-6 *3-6	3765	4125	4765	5080

Note: (1) free lifting height of 2-2.5t forklift truck (without backrest): +435mm
 free lifting height of 3-3.5t forklift truck (without backrest): +580mm
 (2) Service weight in the table is the weight of truck installed with double-tyre. +110kg
 (3) *means the loading capacity when front tyre is double-tyre.



2-3.5Ton

BALANCE WEIGHT TYPE
FORKLIFT

Standard configuration

Fork	Control valve
Water temperature gauge	Transmission oil filter element
Traction pin	Backward buzzer
Backrest	Transmission oil dipstick
Overhead guard	Hydraulic oil return circuit filter element
Horn	Neutral gear safety switch
Reversing light	Overhead guard rain cover
Hour meter	Air inletting device
Oil lever gauge	Durable tread tyre
Charging indicator	Cable type parking brake
Tool	Hydraulic oil dipstick
Oil pressure alarm	Preheating indicator
Steering indicator	Wholly hydraulic powered steering
Wide view mast	Lifting oil circuit flow regulator
Standard seat	Lifting and tilting operation lever
Front lamp	Whirlwind air cleaner
Rear combined light	Tilting adjustable steering column
Pedal pad	Engine automatic preheating system

Optional Devices and Accessories

Driver's cab
speedometer
Fire extinguisher
Solid tyre
Rear working lamp
Auxiliary pipeline
Suspension seat
Customer made color
Transmission oil temperature gauge
Warm air blower
High air exhausting device
Tilt cylinder jacket

Optional attachments

String rod
Lifting hook
Side shifter
Paper roll clamp
Rotating fork
Cargo boom
Lengthening fork
Multipurpose drum clamp
Rotating flat clamp
Widen fork arm carrier
Lengthening fork extension
Load stabilizer
Load push pull
tipping fork, tipping bucket
Wide view free-lift mast (two-stage)
Wide view free-lift mast (three-stage)

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