



Mobile Material Handling Machine

MMSTACKER is a **mobile material handler supplier** in China. Our material handler is equipment designed to pick up, move, load, unload, or stack materials efficiently and safely. In industrial and bulk-handling contexts, the term usually refers to heavy-duty machines or systems used in ports, mines, steel plants, recycling yards, and warehouses.

Key Industries Using Material Handlers

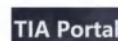
- Ports & terminals
- Mining & quarrying
- Cement & power plants
- Steel mills
- Recycling facilities
- Fertilizer plants

Key Mains Using Material Handlers

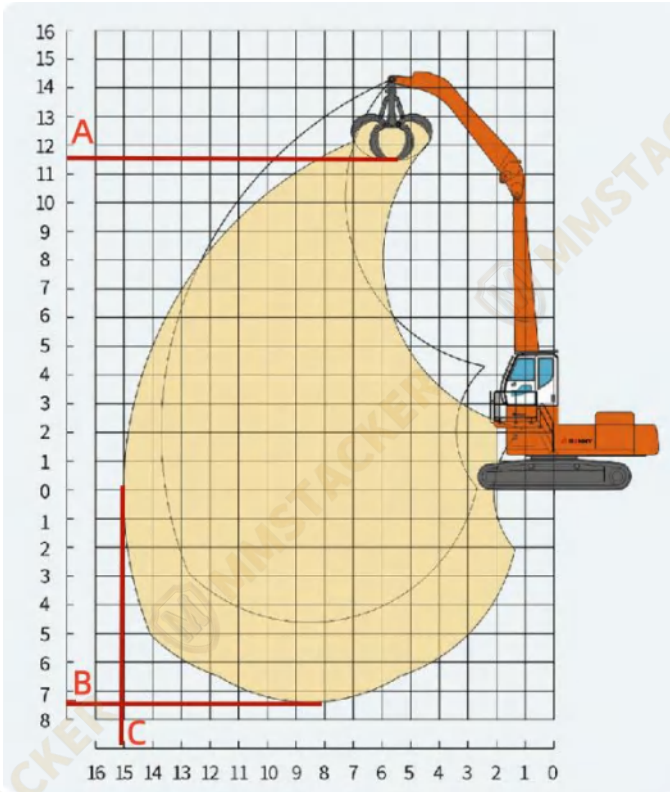
- Coal, ore, scrap metal
- Wood-chips, biomass
- Port ship loading/unloading
- Recycling plants

Website: <https://www.mmstacker.com>

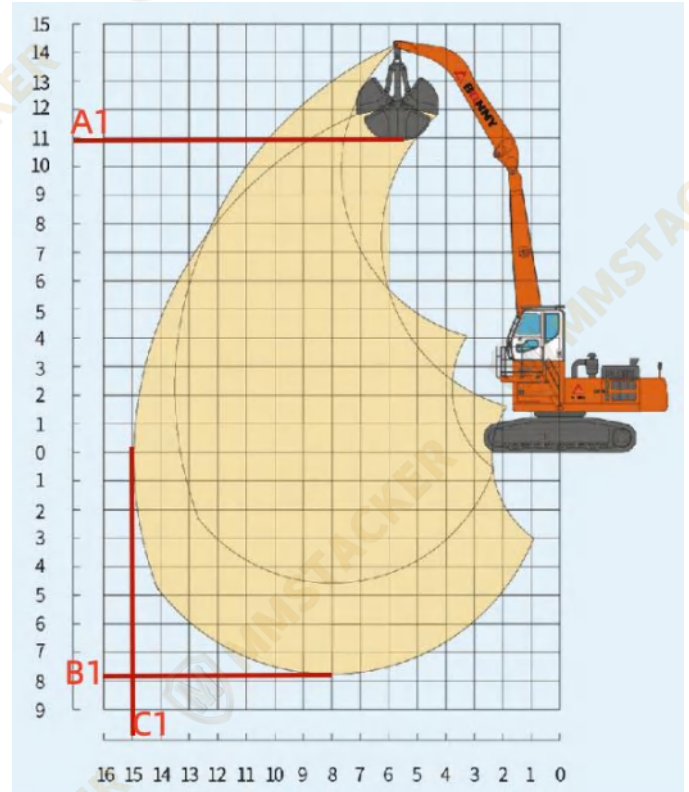
Email: info@mmstacker.com



Operation Range with Multi-tine Grab



A: Max. Grabbing height
B: Max. Grabbing Depth
C: Max. Grabbing Radius



A1: Max. Grabbing height
B1: Max. Grabbing Depth
C1: Max. Grabbing Radius

Grab Options



Clamshell Grab Bucket



Wood Timber Grab



Handler Magnet



Orange Peel Grab

By determining these parameters and grab options, you can select our equipment.

Material Handler - WZYS43-9

Mobile: Tracked

Power: Dual Power

Model: WZYS43-9



No.	Item			Unit	Data	
1	Machine weight			t	43	
2	Power system	Diesel engine	Power/speed	kW/rpm	180/2000	
			Fuel tank capacity	L	454	
		Motor	Power/speed	kW/rpm	132/1485	
			Voltage/frequency		380V/50Hz	
3	Hydraulic system		Max. flow rate	L/min	2 × 280 (2 × 208)	
			Max. operating pressure	MPa	32	
			Control type		Hyd. pilot control	
			Hydraulic oil tank capacity	L	390	
4	Performance data		Max. slewing speed	rpm	8.3/9.5 (6.2/8.2)	
			Max. travel speed	km/h	2.9/4.8 (2.1/3.5)	
			Max. traction force	KN	290	
			Ground pressure	MPa	0.079	
5	Working data		Boom length	mm	7700	8200
			Stick length	mm	6000	6000
			Orange peel grab capacity (semi-closed, 5-tine)	m3	1.0	1.0
			Max. grabbing reach	mm	14538	15013
			Max. grabbing height	mm	11593	12094
			Max. grabbing depth	mm	7386	7420

Material Handler - WZYS48-9

Mobile: Tracked

Power: Dual Power

Model: WZYS48-9



No.	Item			Unit	Data	
1	Machine weight			t	48	
2	Power system	Diesel engine	Rated power/speed	kW/rpm	194/2200	
			Use power/speed	kW/rpm	194/2000	
			Fuel tank capacity	L	454	
		Motor	Model		Standard	Option
			Power/speed	kW/rpm	132/1485	160/1485
			Voltage/frequency		380V/50Hz	
3	Hydraulic system		Max. flow rate	L/min	2×280 (2×208)	
			Max. operating pressure	MPa	32	
			Control type		Hyd. pilot control	
			Hydraulic oil tank capacity	L	390	
4	Machine performance		Max. slewing speed	rpm	8.3/9.5 (6.2/8.2)	
			Max. travel speed	km/h	3.1/5.1 (2.3/3.8)	
			Max. traction force	KN	290	
			Ground pressure	MPa	0.089	
5	Working data		Boom length	mm	8200	
			Stick length	mm	6300	
			Orange peel grab capacity (semi-closed, 5-tine)	m3	1.0/1.2	
			Max. grabbing reach	mm	15472	
			Max. grabbing height	mm	12684	
			Max. grabbing depth	mm	7572	

Material Handler - WZYS56-9

Mobile: Tracked

Power: Dual Power

Model: WZYS56-9



No.	Item			Unit	Data	
1	Machine weight			t	48	
2	Power system	Diesel engine	Rated power/speed	kW/rpm	194/2200	
			Use power/speed	kW/rpm	194/2000	
			Fuel tank capacity	L	485	
		Motor	Power/speed	kW/rpm	160/1485	
			Voltage/frequency		380V/50Hz	
3	Hydraulic system		Max. flow rate	L/min	2×280 (2×267)	
			Max. operating pressure	MPa	32	
			Control type		Hyd. pilot control	
			Hydraulic oil tank capacity	L	565	
4	Machine performance		Max. slewing speed	rpm	7.5 (7.3)	
			Max. travel speed	km/h	3.1/5.1 (3.0/5.0)	
			Max. traction force	KN	290	
			Ground pressure	MPa	0.094	
5	Working data		Boom length	mm	8600	9000
			Stick length	mm	6500	6500
			Orange peel grab capacity (semi-closed, 5-tine)	m3	1.0/1.2	1.0/1.2
			Max. grabbing reach	mm	16099	16546
			Max. grabbing height	mm	13504	13949
			Max. grabbing depth	mm	7717	7867

Material Handler - WZYD22-9

Mobile: Tracked Power: Electric Power Model: WZYD22-9



No.	Item		Unit	Data
1	Machine weight		t	21
2	Motor	Power	kW	75
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×166
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	228
4	Performance data	Max. slewing speed	r/min	14.8
		Max. travel speed	Km/h	3.3/5.7
		Max. traction force	KN	122
		Ground pressure	MPa	0.047
5	Working data	Boom length	mm	6200
		Stick length	mm	4200
		Orange peel grab capacity	m3	0.6 (semi-closed, 5-tine)
		Max. grabbing reach	mm	11352
		Max. grabbing height	mm	8796
		Max. grabbing depth	mm	5123

Material Handler - WZYD33-9

Mobile: Tracked

Power: Electric Power

Model: WZYD33-9



No.	Item		Unit	Data
1	Machine weight		t	33
2	Motor	Power	kW	110
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×208
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	276
4	Machine performance	Max. slewing speed	r/min	10.5
		Max. travel speed	Km/h	2.7/4.9
		Max. traction force	KN	264
		Ground pressure	MPa	0.071
5	Working data	Boom length	mm	6800
		Stick length	mm	5800
		Orange peel grab capacity	m3	0.8 (semi-closed, 5-fine)
		Max. grabbing reach	mm	13493
		Max. grabbing height	mm	10958
		Max. grabbing depth	mm	7418

Material Handler - WZYD42-9

Mobile: Tracked Power: Electric Power Model: WZYD42-9



No.	Item		Unit	Data
1	Machine weight		t	42
2	Motor	Power	kW	132
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×267
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	390
4	Machine performance	Max. slewing speed	r/min	8.2
		Max. travel speed	Km/h	2.9/4.7
		Max. traction force	KN	290
		Ground pressure	MPa	0.077
5	Working data	Boom length	mm	7700
		Stick length	mm	6300
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	15088
		Max. grabbing height	mm	13424
		Max. grabbing depth	mm	7458

Material Handler - WZYD46-9

Mobile: Tracked

Power: Electric Power

Model: WZYD46-9



No.	Item		Unit	Data
1	Machine weight		t	46
2	Motor	Power	kW	132 standard or 160 option
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×267
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	390
4	Machine performance	Max. slewing speed	r/min	8.2
		Max. travel speed	Km/h	3.0/5.0
		Max. traction force	KN	273
		Ground pressure	MPa	0.085
5	Working data	Boom length	mm	8200
		Stick length	mm	6300
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	15530
		Max. grabbing height	mm	12938
		Max. grabbing depth	mm	7495

Material Handler - WZYD50-9

Mobile: Tracked

Power: Electric Power

Model: WZYD50-9



No.	Item		Unit	Data
1	Machine weight		t	50
2	Electromotor	Power	kW	160
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×267
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	565
4	Machine performance	Max. slewing speed	r/min	7.3
		Max. travel speed	Km/h	3.0/5.0
		Max. traction force	KN	290 (34Mpa)
		Ground pressure	MPa	0.086
5	Working data	Boom length	mm	8600
		Stick length	mm	6500
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	16099
		Max. grabbing height	mm	13504
		Max. grabbing depth	mm	7717

Material Handler - WZYD56-9

Mobile: Tracked

Power: Electric Power

Model: WZYD56-9



No.	Item		Unit	Data
1	Machine weight		t	55
2	Motor	Power	kW	160
		Voltage/frequency		380V/50Hz
		Speed	r/min	1485
3	Hydraulic system	Max. flow rate	L/min	2×267
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	565
4	Machine performance	Max. slewing speed	r/min	7.3
		Max. travel speed	Km/h	3.0/5.0
		Max. traction force	KN	290 (34Mpa)
		Ground pressure	MPa	0.094
5	Working data	Boom length	mm	9000
		Stick length	mm	6500
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	16546
		Max. grabbing height	mm	13949
		Max. grabbing depth	mm	7867

Material Handler - WZY18-8

Mobile: Tracked

Power: Diesel Power

Model: WZY18-8



No.	Item		Unit	Data
1	Machine weight		t	18
2	Diesel engine	Model		QSF3.8T3
		Rated power/speed	kW/rpm	91/1750
		Fuel tank capacity	L	210
3	Hydraulic system	Max. flow rate	L/min	2×140
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	216
4	Machine performance	Slewing speed	rpm	13.5
		Travel speed	km/h	3.4
		Cycle time of working	s	13-15
5	Working data	Boom length	mm	5500
		Stick length	mm	3800
		Orange peel grab capacity	m3	0.6 (semi-closed, 5-tine)
		Max. grabbing reach	mm	10280
		Max. grabbing height	mm	8170
		Max. grabbing depth	mm	4680

Material Handler - WZY22-8

Mobile: Tracked Power: Diesel Power Model: WZY22-8



No.	Item		Unit	Data
1	Machine weight		t	22
2	Diesel engine	Model		QSF3.8T3
		Rated power/speed	kW/rpm	93/1900
		Fuel tank capacity	L	281
3	Hydraulic system	Max. flow rate	L/min	2×152
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	228
4	Machine performance	Slewing speed	rpm	14.5
		Travel speed	km/h	3.3/5.7
		Cycle time of working	s	13-20
5	Working data	Boom length	mm	6200
		Stick length	mm	4200
		Orange peel grab capacity	m3	0.6 (semi-closed, 5-tine)
		Max. grabbing reach	mm	11354
		Max. grabbing height	mm	9181
		Max. grabbing depth	mm	5124

Material Handler - WZY32-8

Mobile: Tracked

Power: Diesel Power

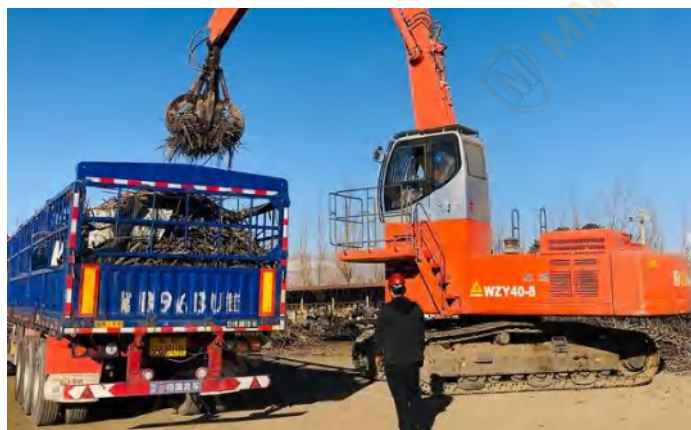
Model: WZY32-8



No.	Item		Unit	Data
1	Machine weight		t	32
2	Diesel engine	Model		QSB7-C227
		Rated power/speed	kW/rpm	169/2000
		Fuel tank capacity	L	324
3	Hydraulic system	Max. flow rate	L/min	2×224
		Max. operating pressure	MPa	32
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	270
4	Machine performance	Slewing speed	rpm	12.3
		Travel speed	Km/h	3.4/5.2
		Cycle time of working	s	16~22
5	Working data	Boom length	mm	6800
		Stick length	mm	5800
		Orange peel grab capacity	m3	0.8 (semi-closed, 5-fine)
		Max. grabbing reach	mm	13407
		Max. grabbing height	mm	7415
		Max. grabbing depth	mm	10874

Material Handler - WZY40-8

Mobile: Tracked Power: Diesel Power Model: WZY40-8



No.	Item		Unit	Data
1	Machine weight		t	40
2	Diesel engine	Model		QSB7-C227
		Rated power/speed	kW/rpm	169/1900
		Fuel tank capacity	L	458
3	Hydraulic system	Max. flow rate	L/min	2×266
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	410
4	Performance data	Slewing speed	r/min	8.1
		Travel speed	km/h	2.8/4.7
		Cycle time of working	s	16-22
5	Working data	Boom length	mm	7700
		Stick length	mm	6000
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	14806
		Max. grabbing height	mm	12199
		Max. grabbing depth	mm	7328

Material Handler - WZY43-8

Mobile: Tracked

Power: Diesel Power

Model: WZY43-8



No.	Item		Unit	Data
1	Machine weight		t	43
2	Diesel engine	Model		QSB6.7-C240
		Rated power/speed	kW/rpm	179/2000
		Fuel tank capacity	L	458
3	Hydraulic system	Max. flow rate	L/min	2 × 280
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	410
4	Machine performance	Slewing speed	rpm	8.6
		Travel speed	Km/h	3.0/4.9
		Cycle time of working	s	15~20
5	Working data	Boom length	mm	8200
		Stick length	mm	6000
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	15330
		Max. grabbing height	mm	12838
		Max. grabbing depth	mm	7128

Material Handler - WZY48-8

Mobile: Tracked

Power: Diesel Power

Model: WZY48-8



No.	Item		Unit	Data
1	Machine weight		t	48
2	Diesel engine	Model		QSB6.7-C260
		Rated power/speed	kW/rpm	201/2000
		Fuel tank capacity	L	494
3	Hydraulic system	Max. flow rate	L/min	2×280
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	565
4	Performance data	Slewing speed	r/min	7.7
		Travel speed	km/h	2.9/5.0
		Cycle time of working	s	21
5	Working data	Boom length	mm	8600
		Stick length	mm	6500
		Orange peel grab capacity	m3	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	16181
		Max. grabbing height	mm	13474
		Max. grabbing depth	mm	7803

Material Handler - WZY55-8

Mobile: Tracked Power: Diesel Power Model: WZY55-8



No.	Item		Unit	Data
1	Machine weight		t	54
2	Diesel engine	Model		QSB6.7-C260
		Power/speed	kW/rpm	201/2000
		Fuel tank capacity	L	494
3	Hydraulic system	Max. flow rate	L/min	2×308
		Max. operating pressure	MPa	30
		Control type		Hyd. pilot control
		Hydraulic oil tank capacity	L	565
4	Performance data	Slewing speed	r/min	7.7
		Travel speed	km/h	2.9/5.1
		Cycle time of working	s	21
5	Working data	Boom length	mm	9000
		Stick length	mm	6500
		Orange peel grab capacity	m ³	1.0 (semi-closed, 5-tine)
		Max. grabbing reach	mm	16472
		Max. grabbing height	mm	13800
		Max. grabbing depth	mm	7847

Material Handler - WZY140

Mobile: Tracked Power: Diesel Power Model: WZY140



Material Handler - BHW50E

Mobile: Electric tires

Power: Electric Power

Model: BHW50E



No.	Item		Unit	Data
1	Machine weight		t	50
2	Motor	Model		YE3-315L
		Rated power/speed	kW/rpm	160/1485
3	Hydraulic system	Max. flow	L/min	2×315
		Max. pressure	MPa	32
		Hyd. oil tank capacity	L	565
4	Swing system	Max. slewing speed	r/min	8.3
5	Traveling system	Max. travel speed at 1st gear	km/h	2.8
		Max. travel speed at 2nd gear	km/h	16
		Gradeability		28%
6	Working data	Boom length	mm	10500
		Stick length	mm	8300
		Grab capacity	m3	0.8 (semi-closed, 5-tine with 360° rotation)
		Max. grabbing reach	mm	19272
		Max. grabbing height	mm	16895
		Max. grabbing depth	mm	8000

Material Handler - BHW12-8

Mobile: Electric tires Power: Diesel Power Model: BHW12-8



No.	Item		Unit	Data
1	Machine weight		t	12
2	Diesel engine	Rated power/speed	kW/rpm	66/2200
		Fuel tank capacity	L	122
3	Hydraulic system	Max. flow	L/min	165
		Max. pressure	MPa	28
		Hyd. oil tank capacity	L	108
4	Swing system	Max. slewing speed	r/min	10.0
5	Traveling system	Max. travel speed	km/h	25.0
		Gradeability		45%
6	Working data	Boom length	mm	4600
		Stick length	mm	2600
		Grab capacity	m3	0.35 (semi-closed, 4-tine with 360° rotation)
		Max. grabbing reach	mm	8024
		Max. grabbing height	mm	6857
		Max. grabbing depth	mm	2573

Material Handler - BHW22-8

Mobile: Electric tires Power: Diesel Power Model: BHW22-8



No.	Item		Unit	Data
1	Machine weight		t	22
2	Diesel engine	Rated power/speed	kW/rpm	93/2000
		Fuel tank capacity	L	281
3	Hydraulic system	Max. flow	L/min	2×140
		Max. pressure	MPa	32
		Hyd. oil tank capacity	L	207
4	Swing system	Max. slewing speed	r/min	11.0
5	Traveling system	Max. travel speed	km/h	20.0
		Gradeability		38%
6	Working data	Boom length	mm	5500
		Stick length	mm	4800
		Grab capacity	m3	0.6 (semi-closed, 5-tine without 360° rotation)
		Max. grabbing reach	mm	11017
		Max. grabbing height	mm	8805
		Max. grabbing depth	mm	4382

Material Handler - BHW35-8

Mobile: Electric tires

Power: Diesel Power

Model: BHW35-8



No.	Item		Unit	Data
1	Machine weight		t	34
2	Diesel engine	Model		QSB7-C227
		Rated power/speed	kW/rpm	169/1900
		Fuel tank capacity	L	325
3	Hydraulic system	Max. flow rate	L/min	2 × 266
		Max. operating pressure	MPa	32
		Hydraulic oil tank capacity	L	270
4	Slewing system	Max. slewing speed	r/min	8.0
5	Travel system	Max. travel speed at 1st gear	km/h	5.3
		Max. travel speed at 2nd gear	km/h	20.0
		Gradeability		35%
6	Working data	Boom length	mm	8000
		Stick length	mm	6000
		Orange peel grab capacity	m3	0.6 (semi-closed, 5-tine with 360° rotation)
		Max. grabbing reach	mm	14882
		Max. grabbing height	mm	13441
		Max. grabbing depth	mm	6082

Material Handler - BHW40-8

Mobile: Electric tires

Power: Diesel Power

Model: BHW40-8



No.	Item		Unit	Data
1	Machine weight		t	40
2	Diesel engine	Model		QSB7-C227
		Rated power/speed	kW/rpm	169/2050
		Fuel tank capacity	L	425
3	Hydraulic system	Max. flow rate	L/min	2×280
		Max. operating pressure	MPa	32
		Hydraulic oil tank capacity	L	325
4	Slewing system	Max. slewing speed	r/min	8.5
5	Travel system	Max. travel speed at 1st gear	km/h	5.0
		Max. travel speed at 2nd gear	km/h	19.0
		Gradeability		32%
6	Working data	Boom length	mm	9600
		Stick length	mm	7300
		Orange peel grab capacity	m3	0.6 (semi-closed, 5-tine with 360° rotation)
		Max. grabbing reach	mm	17458
		Max. grabbing height	mm	15716
		Max. grabbing depth	mm	7460

Material Handler - BHW48-8

Mobile: Electric tires

Power: Diesel Power

Model: BHW48-8



No.	Item		Unit	Data
1	Machine weight		t	48
2	Diesel engine	Model		QSM11-C335
		Rated power/speed	kW/rpm	250/2000
		Fuel tank capacity	L	600
3	Hydraulic system	Max. flow rate	L/min	2×324
		Max. operating pressure	MPa	32
		Hydraulic oil tank capacity	L	565
4	Slewing system	Max. slewing speed	r/min	8.7
5	Travel system	Max. travel speed at 1st gear	km/h	4.0
		Max. travel speed at 2nd gear	km/h	20.0
		Gradeability		28%
6	Working data	Boom length	mm	10500
		Stick length	mm	8300
		Orange peel grab capacity	m3	0.8 (semi-closed, 5-fine with 360° rotation)
		Max. grabbing reach	mm	19272
		Max. grabbing height	mm	16895
		Max. grabbing depth	mm	8000

Material Handler - BHW70-8

Mobile: Electric tires

Power: Diesel Power

Model: BHW70-8



No.	Item		Unit	Data
1	Machine weight		t	70
2	Diesel engine	Model		QSM11-C335
		Rated power/speed	kW/rpm	250/2000
		Use power/speed	kW/rpm	274/1800
		Fuel tank capacity	L	680
3	Hydraulic system	Max. flow rate	L/min	2 × 380
		Max. operating pressure	MPa	32
		Hyd. oil tank capacity	L	600
4	Swing system	Max. slewing speed	r/min	5.31
5	Traveling system	Max. travel speed at 1st gear	km/h	3.0
		Max. travel speed at 2nd gear	km/h	9.5
		Gradeability		32%
6	Working data	Boom length	mm	12500
		Stick length	mm	9500
		Orange peel grab capacity	m3	0.8 (semi-closed, 5-tine with 360° rotation)
		Max. grabbing reach	mm	21342
		Max. grabbing height	mm	17348
		Max. grabbing depth	mm	11164

Material Handler - BHC140

Mobile: Tracked Power: Diesel Power Model: BHC140

Application: Port Ship Loading and Unloading



Material Handler - BHC190

Mobile: Tracked Power: Diesel Power Model: BHC190

Application: Port Ship Loading and Unloading



Material Handler - BHR180

Mobile: Tracked Power: Diesel Power Model: BHR180

Application: Port Ship Loading and Unloading

