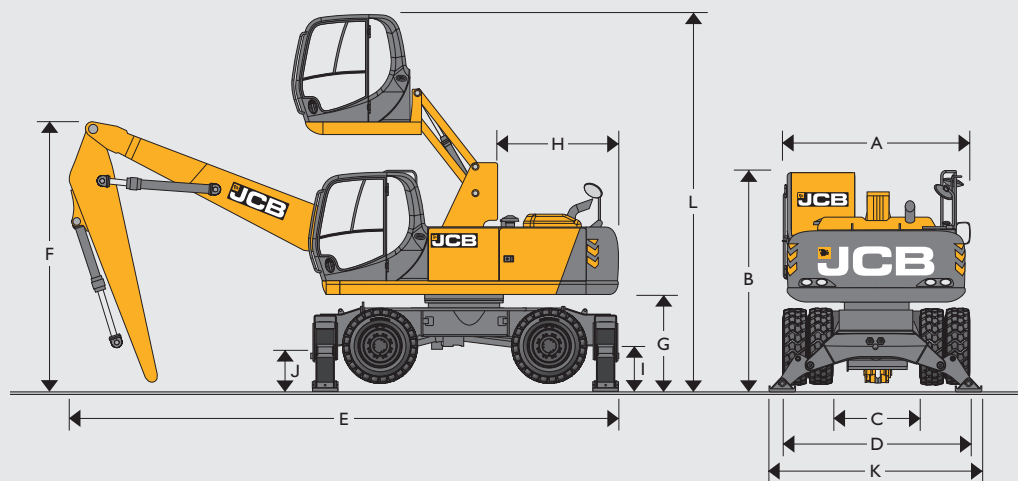


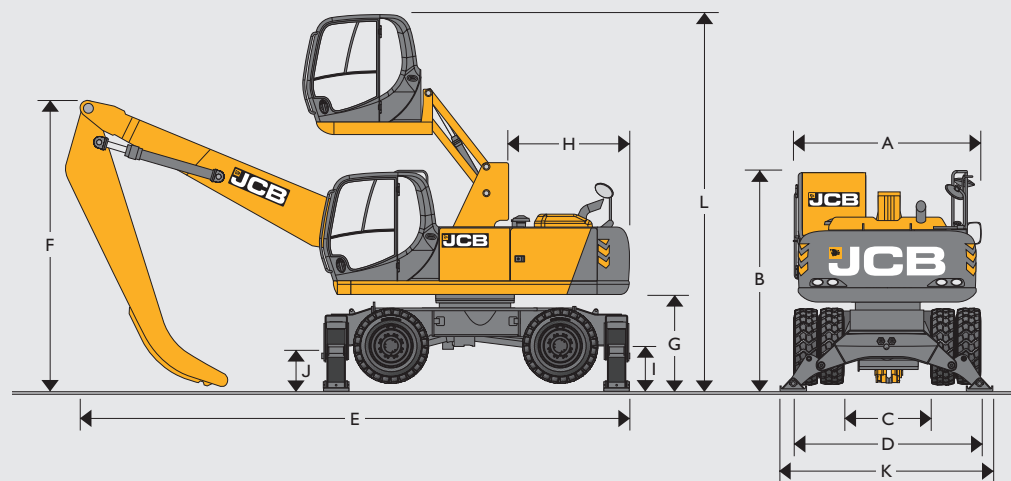
MAX. OPERATING WEIGHT: 20680kg ENGINE POWER: 93kW (125hp)

STATIC DIMENSIONS - MATERIALS HANDLER



A	Overall width (extra width axles)	mm	2500 (2750)
B	Height over cab (stabilisers raised)	mm	3194
C	Individual width between dual wheels (extra width axles)	mm	1350 (1600)
D	External width over dual wheels (extra width axles)	mm	2500 (2750)
E	Transport length	mm	8256
F	Transport height	mm	3336
G	Clearance under counterweight	mm	1270
H	Tail length	mm	2330
I	Height to axle centre line dual wheels	mm	498
J	Ground clearance	mm	350
K	Full width across stabilisers (down)	mm	3586
	Boom length	mm	5700
	Dipper length	mm	3600
L	Height over raised cab (stabilisers raised)	mm	5340

STATIC DIMENSIONS - SCRAP HANDLER



A	Overall width (extra width axles)	mm	2500 (2750)
B	Height over cab (stabilisers raised)	mm	3194
C	Individual width between dual wheels (extra width axles)	mm	1350 (1600)
D	External width over dual wheels (extra width axles)	mm	2500 (2750)
E	Transport length	mm	8256
F	Transport height	mm	3336
G	Clearance under counterweight	mm	1270
H	Tail length	mm	2330
I	Height to axle centre line dual wheels	mm	498
J	Ground clearance	mm	350
K	Full width across stabilisers (down)	mm	3586
	Boom length	mm	5700
	Dipper length	mm	4000
L	Height over raised cab (stabilisers raised)	mm	5340

ENGINE

Model	JCB EcoMAX 444 TCA-99 Eu Stage IIIB, EPA Tier 4 interim compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, direct injection, turbocharged diesel.
Rated power (ISO14396)	93kW (125hp).
Piston displacement	4.399 litres.
Injection	Electronic injection.
Air filtration	Dry element with secondary safety element and in cab warning indicator.
Cooling	Large capacity radiator.
Starting system	24 volt – 4kW.
Batteries	2 x 12 volt Heavy Duty.
Alternator	24 volt 55 amp.
Refuelling pump	Electric type (optional).

SWING SYSTEM

Drive train	Axial piston motor and planetary reduction final drive
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake
Swing speed	6 rpm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated
Swing lock	Multi-position switchable brake

CHASSIS

Structure	High strength section		
Chassis	Front and rear stabilisers		
Stabilisers	Front or rear pin mount, independently operable - plus combinations		
Transmission	Hydrostatic drive via piston motor and powershift transmission		
Travel speed	Creep speed	Low ratio	High ratio
	3.8kph	8.1kph	25kph
Axles	Four wheel drive. Front steering axle oscillates		
Axle load capacity	32 tonnes		
Axle oscillation	+/- 8.5 degrees		
Ground clearance	350mm		
Steering	Fully hydraulic system		
Turning radius to outside of tyres	5.45m		
Brakes	All hydraulic, dual circuit hub brake system		
Parking brake	Built into the transmission		

TYRES

Twins	10.00 x 20 solid tyres with spacer ring
-------	---

SERVICE CAPACITIES

Fuel tank	litres	310
Engine coolant	litres	19.5
Engine oil	litres	20.4
Swing reduction gear	litres	6
Hydraulic system	litres	124
Hydraulic tank	litres	73
Transmission	litres	2.5
Axle differentials (each)	litres	Rear 12, Front 14
Axle hubs (each)	litres	2.0

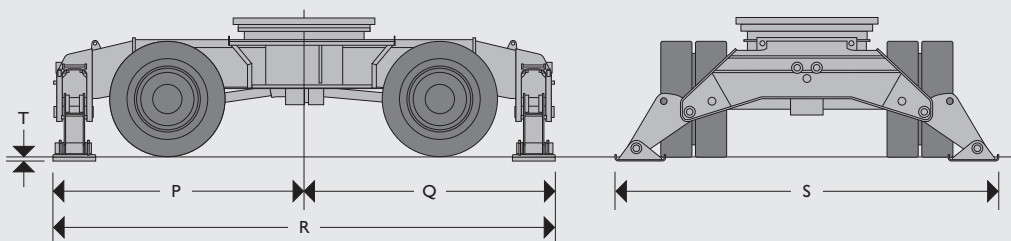
MAIN HYDRAULIC SYSTEM

System	Open centred, negative control hydraulic system with twin variable flow piston pumps providing flow-on-demand for maximum efficiency.
Main pumps	2 variable displacement axial piston type
Maximum flow	2 x 130 l/min
Main circuit pressure	314 bar
With power boost	343 bar
Servo pump	Gear type
Maximum flow	22 l/min
Servo pressure	40 bar
Grab operation	
Maximum flow	138 l/min
Maximum pressure for grab ram operation	314 (343) bar
Rotate operation	
Maximum flow	36 l/min (gear pump driven circuit) with closed centre
Hydraulic cylinders	With hardened, chromed piston rods and end cushioning on boom, dipper and bucket crowd cylinder
Filtration	
In tank	150 micron, suction strainer
Main return line	10 micron, fibreform element
Pilot line	10 micron, paper element

OPERATING WEIGHTS - HYDRAULIC RAISED CAB

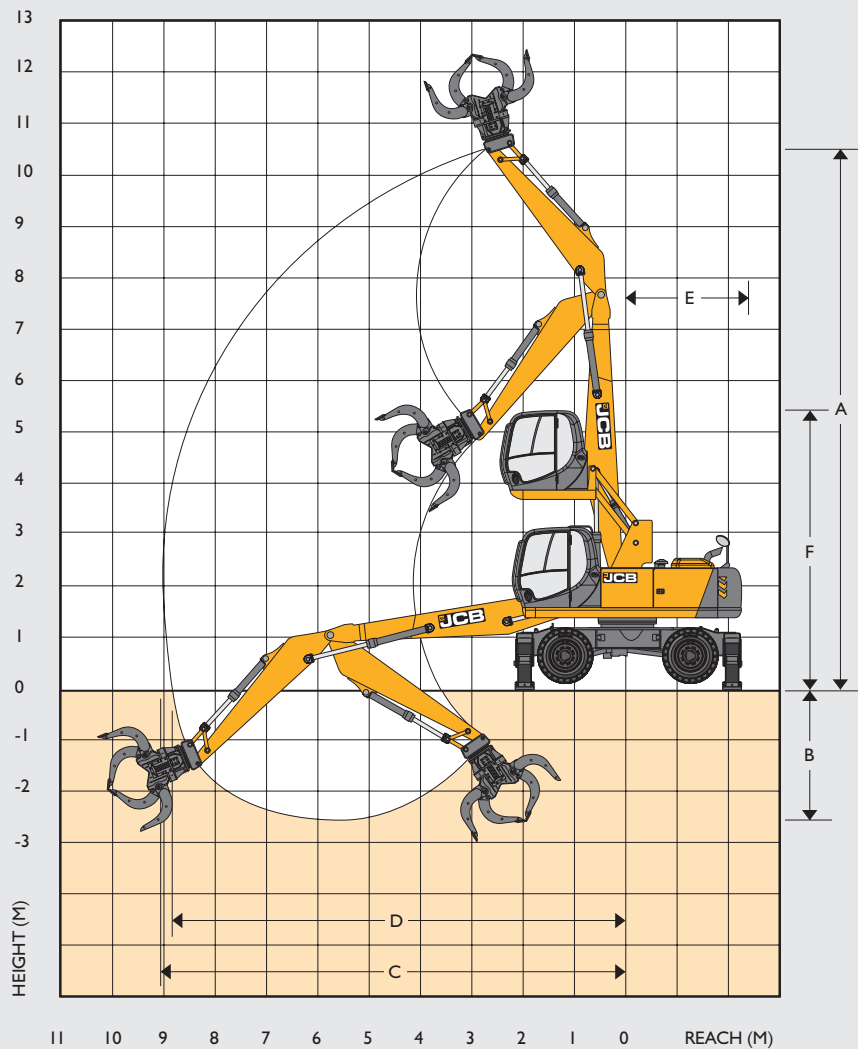
Materials handler	kg	20720
Scrap handler	kg	20328

Machine equipped with 5.7m boom and 3.6m straight or 4.0m gooseneck dipper, no attachment. Operator and full fuel tank, and solid tyres.

CHASSIS DIMENSIONS

P	Centre of slewing ring to front stabilisers	mm	2351
Q	Centre of slewing ring to rear stabilisers	mm	2351
R	Length including front and rear stabilisers	mm	4701
S	Width over stabilisers (lowered)	mm	3586
T	Stabiliser lift height	mm	41

WORKING RANGE

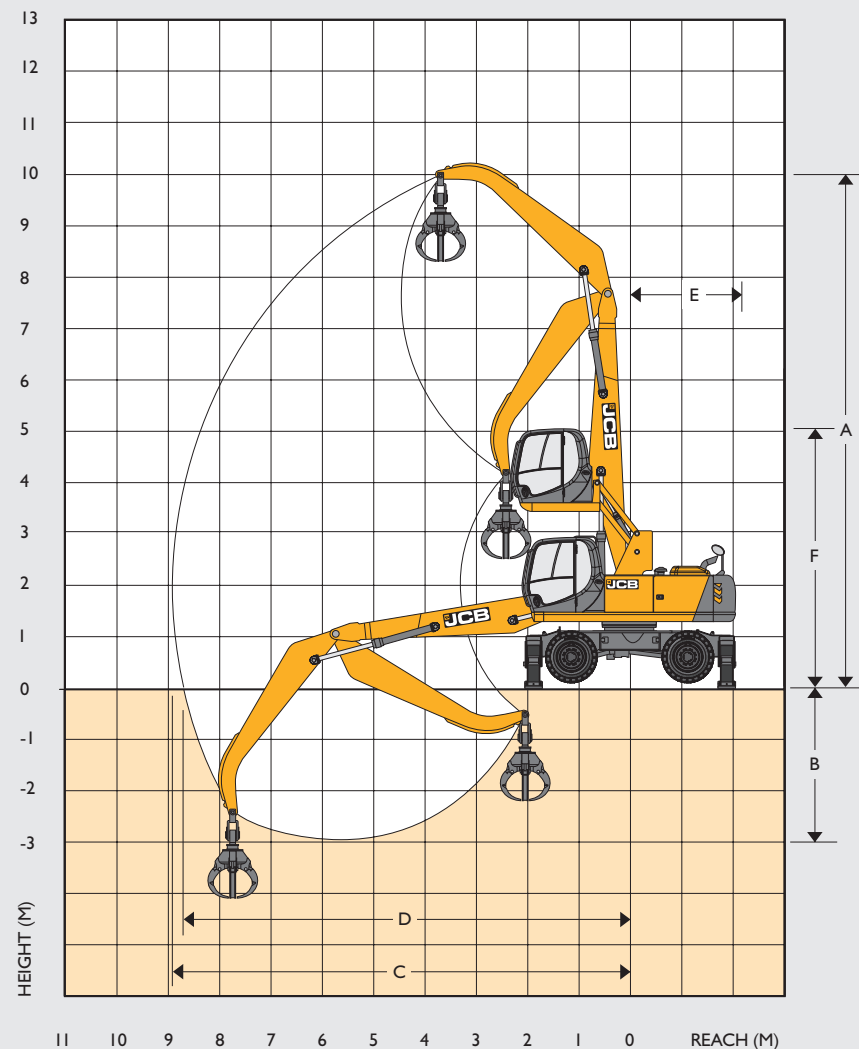


MATERIAL HANDLING

5.7m boom, 3.6m dipper

A	Maximum pin height	mm	10606
B	Maximum pin depth	mm	2493
C	Maximum pin reach	mm	9046
D	Maximum pin reach at ground level	mm	8806
E	Tail swing radius	mm	2330
F	Height over raised cab (stabilisers down)	mm	5380












WORKING RANGE

















SCRAP HANDLING

5.7m boom, 4.0m dipper

A	Maximum pin height	mm	10099
B	Maximum pin depth	mm	2893
C	Maximum pin reach	mm	8933
D	Maximum pin reach at ground level	mm	8690
E	Tail swing radius	mm	2330
F	Height over raised cab (stabilisers down)	mm	5380

LIFT CAPACITIES – 5.7m Boom, 3.6m Dipper, Stabilisers													JS20MH MATERIALS HANDLER		
Reach	3m		4m		5m		6m		7m		8m		Capacity at Maximum Reach		
															mm
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
10.0m	8290*	8290*											8190*	8190*	3050
9.0m			7040*	7040*									6110*	6110*	4978
8.0m			6150*	6150*	6410*	6410*	5830*	5750					5330*	5330*	6170
7.0m			5520*	5520*	6030*	6030*	5880*	5810	5020*	4430			4930*	4410	7019
6.0m	4500*	4500*	5330*	5330*	5960*	5960*	5920*	5760	5220*	4460			4710*	3820	7642
5.0m			6020*	6020*	6530*	6530*	6020*	5660	5240*	4410	4520*	3530	4440	3460	8093
4.0m					7320*	7320*	6140*	5520	5260*	4330	4490*	3510	4130*	3240	8399
3.0m					7510*	7100	6200*	5360	5230*	4240	4400*	3470	3830*	3120	8577
2.0m					7480*	6860	6120*	5220	5100*	4160	4210*	3420	3510*	3060	8635
1.0m					7110*	6700	5840*	5110	4830*	4090	3880*	3390	3150*	3090	8574
0m					6400*	6400*	5320*	5050	4350*	4060	3330*	3330*	2730*	2730*	8393
- 1.0m			6030*	6030*	5360*	5360*	4500*	4500*	3590*	3590*			2570*	2570*	7884

LIFT CAPACITIES – 5.7m Boom, 3.6m Dipper, Wheels													JS20MH MATERIALS HANDLER			
Reach	3m		4m		5m		6m		7m		8m		Capacity at Maximum Reach			
															mm	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
10.0m	8290*	8290*												8190*	8190*	3050
9.0m			7040*	7040*										6110*	5560	4978
8.0m			6150*	6150*	6410*	5690	5110	4140						4850	3930	6170
7.0m			5520*	5520*	6030*	5690	5170	4200	3920	3190				3900	3170	7019
6.0m	4500*	4500*	5330*	5330*	5960*	5590	5130	4150	3950	3210				3370	2740	7642
5.0m			6020*	6020*	6530*	5420	5020	4060	3900	3160	3110	2520		3050	2470	8093
4.0m					6530	5190	4880	3920	3830	3090	3090	2500		2850	2300	8399
3.0m					6260	4940	4730	3780	3740	3010	3050	2460		2730	2200	8577
2.0m					6020	4720	4590	3650	3660	2930	3000	2410		2690	2160	8635
1.0m					5860	4570	4480	3550	3590	2870	2970	2380		2700	2170	8574
0m					5770	4490	4420	3490	3550	2830	2690	2370		2730*	2240	8393
- 1.0m			6030*	6030*	5360*	4480	4400	3480	3550	2830				2570*	2440	7884































Lift capacity front and rear.

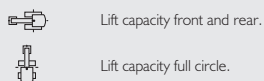


Lift capacity full circle.

- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – 5.7m Boom, 4.0m Dipper, Stabilisers													JS20MH SCRAP HANDLER			
Reach	3m		4m		5m		6m		7m		8m		Capacity at Maximum Reach			
															mm	
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm	
10.0m	7470*	7470*												6570*	6570*	3992
9.0m			6240*	6240*	6120*	6120*								5340*	5340*	5597
8.0m			5440*	5440*	5740*	5740*	5730*	5730*						4790*	4790*	6677
7.0m			4890*	4890*	5360*	5360*	5670*	5670*	5410*	4740				4480*	4240	7468
6.0m			4660*	4660*	5260*	5260*	5670*	5670*	5400*	4740	4550*	3810		4310*	3760	8056
5.0m			5030*	5030*	5630*	5630*	5990*	5950	5450*	4690	4810*	3810		4230*	3460	8484
4.0m					7040*	7040*	6340*	5820	5500*	4610	4800*	3770		4200*	3270	8777
3.0m					7750*	7470	6470*	5670	5530*	4520	4750*	3730		3930*	3170	8947
2.0m					7840*	7230	6470*	5530	5460*	4440	4620*	3680		3650*	3120	9002
1.0m					7630*	7050	6290*	5410	5260*	4370	4370*	3640		3330*	3140	8944
0m					7060*	6940	5870*	5340	4870*	4320	3940*	3620		2960*	2960*	8771
- 1.0m			7150*	7150*	6150*	6150*	5160*	5160*	4240*	4240*	3230*	3230*		2670*	2670*	8390

LIFT CAPACITIES – 5.7m Boom, 4.0m Dipper, Wheels													JS20MH SCRAP HANDLER				
Reach	3m		4m		5m		6m		7m		8m		Capacity at Maximum Reach				
															mm		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm		
10.0m	7470*	7470*													6570*	6570*	3992
9.0m			6240*	6240*	6120*	5890									5340*	4850	5597
8.0m			5440*	5440*	5740*	5740*	5430	4460							4510	3710	6677
7.0m			4890*	4890*	5360*	5360*	5460	4480	4230	3490					3780	3110	7468
6.0m			4660*	4660*	5260*	5260*	5410	4440	4230	3490	3390	2790			3350	2760	8056
5.0m			5030*	5030*	5630*	5630*	5320	4350	4180	3440	3390	2790			3080	2530	8484
4.0m					6880	5530	5180	4230	4100	3370	3350	2760			2900	2390	8777
3.0m					6620	5290	5040	4090	4020	3290	3310	2720			2800	2310	8947
2.0m					6380	5070	4900	3960	3930	3210	3260	2270			2760	2270	9002
1.0m					6210	4910	4780	3850	3860	3140	3220	2630			2780	2280	8944
0m					6100	4820	4710	3780	3820	3100	3200	2610			2850	2340	8771
- 1.0m			7150*	6570	6070	4790	4680	3760	3800	3080	3200	2620			2670*	2480	8390



- Notes:**
1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk(*) are limited by hydraulic capacity rather than tipping load.