

# MS Crawler Excavator&Loader



Technical Parameter of MS Crawler Excavator&Loader					
Item	Unit	Main data			
Model		MS-80 ( 80/37L )	MS-120 ( 120/45L/55L )	MS-180(180/79L)	
Loading ability	m <sup>3</sup> /h	≈80	≈120	≈180	
Whole weight	kg	8500	14800	7500±2008	
Min turning radius	m	5	7	8	
			Standard arm	Short arm	
Excavating width	mm	4300	5400	3800	7030
Excavating height	mm	2282(2730 when groove lifted )	3700	2700	4600 ( 5240 when groove lifted )
Excavating depth	mm	600	620	400	990
Excavating distance	mm	1700	2780	2730	3340
Unloading height	mm	1400-1760(optional)	1900-2620		1900-2620
Unloading distance	mm	1700(optional)	2000		2500
Climbing slope ability	( ° )	≤30(hard stand)	≤30(hard stand)		≤25(hard stand)
Scraper chain speed	m/min	34	44		44
Travelling speed	Km/h	1.4	Upper 2.15/Lower 1.08		Upper 2.15/Lower 1.2
Gradeability	mm	230	270		290
Crawler inner width	mm	1000	1032		1280
Crawler average grounding pressure	Mpa	≤0.1	≤0.1		≤0.1
Scraper conveyor mechanism type		Double-chain single drive/ Single chain single drive			
Rated working pressure	Mpa	12/25	12/25		12/25
Max.arm slewing angle	( ° )	±55	±55		±55

Total power	kw	37/45	45/55	55+3.5/75+3.5
Max.material dimension (length×width×height)	mm	700×550×500	800×700×600	900×700×850
Suitable laneway slope	(°)	≤18	≤18	≤18
Min.Suitable laneway profile( width×height)	m	2×2.2	2.6×2.6	3×4
Dimension (length×width×height)	mm	6750×1700×1620 (widened type)	7950×1932×2225	9680×2180×2416