

TECHNICAL SPECIFICATIONS OF DOUBLE DRUM VIBRATORY ROLLER



Sr.No	Specification	Units	AWM DDR7	AWM DDR10
1.	Engine Make		Deutz	Cummins
2.	Engine Model		F4L912	B3.9-C
3.	Rated Power	kW/hp	51 / 68	97 / 130
4.	Cooling system		Air cooled	Water Cooled
5.	Country of Origin		Germany	England
6.	Transmission			
7.	Make		Rexroth	Rexroth
8.	Country of Origin		China	China
9.	Hydraulic pump			
10.	Make		Commercial	Sauer
11.	Model		D330X2	MPV046
12.	Operating pressure	mPa	35	35
13.	Hydraulic motor			
14.	Make		Commercial	Sauer
15.	Model		D330M	MMF035
16.	Country of Origin		USA	USA
17.	Main Control Valve			
18.	Make		Commercial	
19.	Model		HO22	
20.	Country of Origin		USA	
21.	Working mass	kg	7160	10000
22.	Weight distributing on front drum	kg	3630	5000
23.	Weight distributing on rear drum	kg	3530	5000
24.	Front drum static linear load	N/cm	247	292
25.	Rear drum static linear load	N/cm	240	292
26.	Speed range	Km/hr	0 ~ 10.5	0 ~ 10
27.	Theoretical grade ability	%	33	30
28.	Min Outer turning radius	mm	4800	6000
29.	Min Clearance	mm	260	330
30.	Max. Shell protuberating	mm	75	75
31.	Steering angle	deg	+/- 38	+/- 40

32.	Swing angle	deg	+/- 11	+/- 12
33.	Vibrating frequency	Hz	48	48
34.	Nominal amplitude(high/Low)	mm	0.71 / 0.35	0.8 /0.4
35.	Centrifugal force @48Hz high/low amplitude	kN	71/35	120/60
36.	Vibrating drum diameter	mm	1040	1220
37.	Vibrating drum width	mm	1450	1680
38.	Total length	mm	4545	5330
39.	Total width	mm	1600	1830
40.	Total height	mm	2930	3030
41.	Fuel tank capacity	L	140	260
42.	Water tank capacity	L	2 x 325	2 x 500