

Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

Make:	Hamm			
Model:	HD+ 140i VO			
Equipment Type:	Tandem Roller			
Contractor Modifications:	None			
Inte	erstate Approval Conditions		Non-Inte	erstate Approval Conditions
Approval Type	Crossing only	Ар	pproval Type	Crossing only
Speed:	No Restriction	Sp	eed:	No Restriction
Weight:	30,870 lb or less	We	eight:	30,870 lb or less
Traffic:	Approved with regular traffic	Tra	affic:	Approved with regular traffic
Location Restrictions:	No Restriction		ecation estrictions:	No Restriction
Comments:				
Equipment configuration, weights	, and specifications on following pages. Approval does no e bridge. Vibratory system must be turned off while on br	t apply to posted bridgridge.	es. Other constructi	ion equipment is not allowed to operate on or cross bridge at the





Tandem rollers Series HD+

Fandem roller with vibration and oscillation drum

H274

HIGHLIGHTS

- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Compaction with oscillation
- > Excellent view of machine and construction site
- > Operating concept Easy Drive
- > Electronic machine management Hammtronic

TECHNICAL DATA HD+ 140i VO (H274)

TECHNICAL DATA HD+ 140	o VO (HZ7	4)				
Weights						
Operating weight with cab	kg lbs	13185 29,073				
Operating weight with ROPS	kg Ibs	12945 28,544				
Max. operating weight	kg lbs	14000 30,870				
Static linear load, front/rear	kg/cm lbs/in	30,4/30,4 170.2/170.2				
French classification, value/class		28,37/VT2				
Machine dimensions						
Total length	mm in	5300 208.7				
Total height with cab	mm in	2980 117.3				
Total height with ROPS	mm in	3030 119.3				
Height loading, min.	mm in	2140 84.3				
Center distance	mm in	3900 153.5				
Total width with cab	mm in	2260 89.0				
Maximum working width	mm in	2310 90.9				
Ground clearance, center	mm in	340 13.4				
Curb clearance, left/right	mm in	900/900 35.4/35.4				
Turning radius, inside	mm in	6200 244.1				
Drum dimensions	Drum dimensions					
Drum width, front/rear	mm in	2140/2140 84.3/84.3				
Drum diameter, front/rear	mm in	1400/1400 55.1/55.1				
Drum thickness, front/rear	mm in	19/20 0.7/0.8				
Drum type, front		Smooth/non-split				
Drum type, rear		Smooth/non-split				
Track offset, left/right	mm in	170 6.7				
Diesel engine						
Manufacturer		DEUTZ				
Model		TCD 4.1 L4				
Cylinders, quantity		4				
Power ISO 14396, kW/PS/rpm		115,0/156,4/2300				
Power SAE J1349, kW/HP/rpm		115,0/154,1/2300				
Exhaust emission standard Exhaust gas after-treatment		EU Stage V / EPA Tier 4 DOC-DPF-SCR				

ravel drive			
Regulation, infinitely variable		HAMMTRONIC	
Gradeability, with/without vibration	96	39/39	
Vibration			
vibration frequency, front, I/II	Hz vpm	40/50 2,400/3,000	
Amplitude, front, I/II	mm in	0,9/0,33 .035/.013	
Centrifugal force, front, I/II	kN lbs	158,7/93,2 35,708/20,970	
Oscillation			
Oscillation force, rear	kN lbs	170,5 38,362	
Oscillation frequency, rear	Hz vpm	36 2,160	
Tangential amplitude, rear	mm in	1,25 .049	
Steering			
Swing angle +/-	0	10	
Steering, type		Articulated steering	
Water-sprinkling system			
Water sprinkling, type		Pressure	
Tank capacity/filling capacit	y		
Fuel tank, capacity	L Gal	260 68.7	
AdBlue/SCR reducing agent tank, capacity	L Gal	20 5.3	
Water tank, capacity	L Gal	1145 302.5	
Sound level			
Sound power level L(WA), guaranteed	db(A)	109	
Sound power level L(WA), representative measurement	db(A)	107	

EQUIPMENT

Heating and air conditioning | Tachograph | | Bluetooth interface for Smart Doc | | Dashboard cover | Edge pressing and cutting equipment | HAMM Compaction Meter (HCM) | Automatic engine-off function | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Telematics interface | Working light | Rotating beacon | Coming home lighting | Locking device

from both sides | Central water outlet

OPTIONAL EQUIPMENT

WIRTGEN AMERICA • 6030 Dana Way • Antioch, TN 37013 • Phone +1 615-501-0600 • Fax +1 615-501-0691 • info.america@wirtgen-group.com • www.wirtgen-group.com/america

