



郑州高德机械设备有限公司 Gaode Equipment Co., Ltd.



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HSC-2008 concrete spray system



Features:

1. Smaller size suitable for smaller tunnel section and smaller shotcrete amount;
2. HSC-2008 adopts small size straight arm structure. The shotcrete system can be used in small tunnel section and rotate the arm to spraying position;
3. The joints and freedom of motion can meet the requirement of spraying concrete. It's reliable, stable and convenient. There are flood lights on both two sides of arm for spraying;
4. Transversal arrangement cab which makes it's easy to operate without turning around. There are forward and reverse gears, high speed and low speed gears;
5. There are hydraulic support arm at the both sides of spray arm base, which ensure the stability of arm stretch;
6. There is diesel engine which ensures the arms can be folded and cleaned when electric power is off;
7. Reliable hydraulic pump and hydraulic valves adopted to ensure the whole pump reliable.



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Technical data:

Item		unit	HSC-2008	HSC-2008K
Unity machine parameter	LxWxH	mm	7100x2150x2700	
	Weight	kg	About 9000	about10000
Arm and Leg parameter	Arm structure		upright rotate, straight arm pitch up down + telescope (stretch out + draw back)	
	Max. Spray height	m	8 (normal spraying height 4-4.5m)	
	Max. Spray width	m	12	
	Max. Spray depth	m	2	
	big arm pitching angle	degree	-30° ~ +65°	-30° ~ +65°
	small arm pitching angle	degree	—	
	nozzle rotary angle	degree	360°	
	nozzle swing angle	degree	240°	
	drive mode		electric motor work (diesel is used for blowdown, cleaning and withdrawing arms in case of electric power off)	
	electric motor rated power	kW	45	
	electric motor working voltage	V/Hz	380/50 3 phase	
diesel engine rated power	kW	55		
Pump parameter	rated output	m ³ /h	20	
	rated reversing time	/min	21	
	system pressure	Bar	200	



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	outlet pressure	Bar	60	
	convey cylinder inner diameter	mm	Φ160	
	convey cylinder stroke	mm	800	
	nozzle diameter	mm	Φ40	
Chassis parameter	wheel base	mm	3000	
	front and rear axle drive mode	-	4x4	
	Hydraulic oil tank capacity	L	530	
	fuel tank capacity	L	90	70
	max. running speed	Km/h	22	
	max. gradeability	%	40	
	min. ground clearance	mm	400	
	min. turning radius	m	7.0	
	braking distance	m	≤10	
Auxiliary system parameter	cable	m	100	
	air compressor power	kW	NO	55
	air compressor output	m ³ /min	NO	12
	air compressor working pressure	Bar	NO	5
	Coagulant output	L/h	800	
	additive system pressure	Bar	10	
	coagulant tank capacity	L	500	



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