

HDH 770						
HDH 1000						
	Straw mill HDH 770/1000 is made of a flail rotor, screen,					
	and blowing rotor. Straw is sucked into the housing and					
	blown through the screen by the flail rotor. The air flow pro-					
Machine function	duced by the rotor, sucking straw and air in through					
	Ø400/450 mm pipe and blowing it out through Ø300/350					
	mm. Good air flow is important for optimal capacity.					
	Transport length is up to 30-3					
	Standard ISO 12944-5 category					
	Machines, guards etc. comes					
Machine paint:	suitable for indoor, non corrosive environment - water and					
	oil resistant -15 to + 60 degrees C, surface purified with					
	alkaline degreaser, painted with a machine primer and here after coating paint.					
Custom tariff number	84369900					
Machine parameters	HDH 770	HDH 1000				
Machine number	1038-199	1038-100				
El motor min/max power	22/45 kW	45/90 kW				
Motor starter	Y/D or Soft starter	Y/D or Soft starter				
Measures LxHxW [cm]	L:120 - H:160 - W: 130	L:150 - H:180 - W:155				
Weight [Kg]	800	1100				
Screen area [dm ²]	520	850				
Flail arms pcs	8	10				
Flail number pcs	24	30				
Piping inlet	Ø 400	Ø 450				
Piping outlet	Ø 300	Ø 350				
	- 1x meter vertical pipe	= 2 meter horizontal loss				
Blowing distance 30 meter	= 3 -					



Standard	DS/EN 60204-1:2006 Safety of Machinery - Electrical Equipment of Machines, DS/EN ISO 13850 of January 29 th 2007 emergency stop, DS/EN ISO 13849-1 safety-related parts of control systems, DS/EN 60204-1: 2006, cable in- stallation method E					
RISK ASSESMENT	Machine: This machine cannot work as a "Stand Alone", and can therefore not be delivered with a CE marking.					
	DB - HDH 770					
Health and safety issues dB:	1 : 92 DB 2 : 88 DB 3 : 85 DB 4 : 80 DB (4)					
RISK ASSESMENT - Ex	dB at 1 meter fro	om the machine	= 92 dB			
RISK ASSESIMENT - EX	BGIA GESTIS-STAUB-EX					
	Material	Stroh (2213)	Miscanthus			
	Feuchte	-	10,2 %			
	Korngrösse < 500 µm	96%	56%			
	Korngrösse < 125 µm	26%	35%			
	Median-Wert µm	200 µm	280 µm			
	UNtere Ex-Grenze Max Ex Überdruck	125 g/m ³	60 g/m ³ 7,7 bar			
	K _{ST} -Wert [bar m/s]	8,0 bar 47	115			
	Ex-Fähigkeit	St1	St1			
	Zündtemp.	470 C	-			
	Glimmtemperatur	310 C	-			
	 Wheat straw: Primary evaluated the risk for dust explosion based on the conditions that have to be full filed with regard to dust explosion, and have used the official figures from the German institute BGIA: The fragmentation of any straw quoted from 6 mm screen: 96 % will be more than 1,3 mm We declare that the machinery will not create any situation that can course explosive burning of the straw or of the straw dust. 					



Documentation for risk assessment EX: Screening sample with 6 mm screen in hammer mill, showing safety mar- gin with regard to ATEX standard and BGIA measures. (DONG/E2							
2002)	0 0,5 1 Straw dust fragment in % (w.	1,5 6 mm millir	2 ng screen)	2,5			
Analyzed risk following EN-IS		S	F	Р	PLr		
lifting and strong enough to ho	g positions that ensures balance when ld machine load. be made, before start with mounting.	S2	F1	P1	с		
Stone trap or similar, and with							
3. Servicing:a. All lubrication position	s are from safe position.	S1	F1	P1	a		
 b. Change of flail and chan front into the machine, take off the filling device safety mothers. There c door. Before opening the main switch and locked 	S2	F2	P1	b			
4. Renovation:		S2	F2	P1	b		
Same as on 3b 5. Scrapping/recycling: sa	me comment as under 1. Mounting	S2	F1	P1	с		
		HDH A B C D E H	770 509 815 1080 1230 Ø414 1450	6 9 1: 14 Ø	000 47 40 365 480 450 900		



		HDH 770			
Screen size	Size:	Item no.:			
	ø 5 mm	3038-320			
	ø 8 mm	3038-321			
	ø 10 mm	3038-322			
	ø 15 mm	3038-323	Range for blowing distance		
	ø 20 mm	3038-324			
	ø 30 mm	3038-325			
	ø 50 mm	3038-326			
	ø 70 mm	3038-327			
Air flow	HDH 770 HDH 100		m ³ /hour 2500-3000 Pa) m ³ /hour 2500-3000 Pa		
Air flow diagram	mm Vs 400 300 200 100	HDH 770 - 17	750 min ⁻¹ - Ø 300 mm pipe		
	V. m/s m³/h	20 5000	25 30 35 6300 7600		



machine	Spare parts	ltem num- ber	Normal wear	Accidental	Warranty part	Cormall/ Supplier stock	Lead time	Units
	Flail	3038.332	х			+	D	3x18
	Flail bolt	3518.323	X			+	D	18
	Screen	3038.325	X			+	D	1
HDH770 Hammer	Blower rotor	3038.205	x			+	D	1
mill	Wearing plate	3038.302	x			+	D	1
	Screen hold	3038.206		X		+	Dd	1
	Flail rotor	3038.204		X		+	Dd	1
	Bearing	3510.110						1