



PNEUMATICS INC.

Specifications

Heavy Duty Cyclone
Standard and Long Cone

A-4300

Rev. 0

08 / 03

CYCLONE CAPACITIES:

UNITS PER HOUR - MAXIMUM				C.F.M. RANGE	
BODY DIA.	SCREENED CHIPS	SAWDUST, FINES, UNSCREENED CHIPS, SHAVINGS, BAGASSE HOGGED BARK	UNSCREENED HOG FUEL	SHAVINGS AND BAGASSE	OTHER
28*	3.0	2.0	1.75	500 - 1150	550 - 1400
36*	6.0	4.5	3.75	750 - 1600	875 - 1950
42*	10.0	7.5	6.0	1100 - 2100	1250 - 2600
56*	23.5	17.5	14.0	1950 - 3400	2300 - 4200
70*	46.0	35.0	28.0	3100 - 5000	3600 - 6200
84*	80.0	60.0	48.0	4500 - 6800	5300 - 8500
98	127.0	96.0	79.0	6200 - 8800	7500 - 11400
112*	190.0	142.0	114.0	7400 - 11000	9000 - 14000
126*	270.0	203.0	162.0	10700 - 15500	12500 - 19500
140*	350.0	280.0	225.0	14700 - 21000	17000 - 25000
154*	430.0	355.0	300.0	18000 - 22000	121000 - 28000
168	510.0	440.0	385.0	21000 - 28500	125000 - 34000

NOTE: CAPACITY FOR 154" AND 168" CYCLONES ARE ESTIMATED.

CYCLONE SIZING

Material Classification:		Med, Density, some dust				
Lightweight, very dusty*			Clean Material			Req'd size (dia.)
Dry sawdust, shavings, fines or bark, sander-dust, bagasse, chemicals		Unscreened, chips with fines, pressed knots, green sawdust, hogged bark		Screened chips (with or without overs), wet Knots and sludge.		
Max, CFM air	UPH	Max, CFM air	UPH	Max, CFM air	UPH	
610	2	830	2	1100	3	28"
1300	6	1780	8	2350	10	42"
2250	14	3070	18	4100	24	56"
3680	28	5000	35	6700	46	70"
4150	48	5660	60	7550	80	84"
4850	79	6600	96	8800	127	98"
8300	114	11,300	142	15,100	190	112"
11,650	162	15,900	203	21,200	270	126"
15,700	225	21,400	280	28,500	350	140"
19,700	310	27,000	360	36,000	430	154"
25,400	385	34,600	440	46,200	510	168"

*Use long cone cyclone.