

ROTARY AIR LOCK FEEDER CAPACITIES

FT³/min @ 85% EFFICIENCY Formula Cap. = DISP (VE) (SPD)
 CFM = CFR (%) (RPM)

TE FEEDERS						
Feeder Size	FT ³ Displ.	RPM				
		10	13	17	20	24
2" TE (O.E.)	0.014	0.12	0.15	0.20	0.24	0.29
5" TE (O.E.)	0.18	1.53	1.99	2.60	3.06	3.67
6" TE (O.E.)	0.26	2.21	2.87	3.76	4.42	5.30
8" TE (O.E.)	0.57	4.85	6.30	8.24	9.69	11.63
10" TE (O.E.)	1.26	10.71	13.92	18.21	21.42	25.70
12" TE (O.E.)	2.30	19.55	25.42	33.24	39.10	46.92
16" TE (O.E.)	3.50	29.75	38.68	50.57	59.50	71.40
7-3/4" x 10" TE (O.E.)	0.15	1.28	1.66	2.17	2.55	3.06
8" x 10" TE (O.E.)	0.30	2.55	3.32	4.34	5.10	6.12
10" x 11-1/2" TE (O.E.)	1.00	8.50	11.05	14.45	17.00	20.40
12" x 13" TE (O.E.)	1.80	15.30	19.89	26.01	30.60	36.72
12" x 20" TE (O.E.)	2.75	23.38	30.39	39.74	46.75	56.10
16" x 16" TE (O.E.)	3.33	28.31	36.80	48.12	56.61	67.93
16" x 27" TE (O.E.)	5.23	44.46	57.79	75.57	88.91	106.69
16" x 27" (C.E.)	4.71	40.04	52.05	68.06	80.07	96.08

DA FEEDERS						
Feeder Size	FT ³ Displ.	RPM				
		10	13	17	20	24
DA50 (C.E.)	0.50	4.25	5.52	7.23	8.50	10.20
DA100 (C.E.)	1.00	8.50	11.05	14.45	17.00	20.40
DA160 (C.E.)	1.60	13.60	17.68	23.12	27.20	32.64

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SHROUDED FEEDERS						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
8" S (C.E.)	0.15	1.28	1.66	2.17	2.55	3.06
10" S (C.E.)	0.39	3.32	4.31	5.64	6.63	7.96
10" x 18" S (C.E.)	0.64	5.44	7.07	9.25	10.88	13.06
15" S (C.E.)	1.33	11.31	14.70	19.22	22.61	27.13

METRIC FEEDER						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
150 (O.E.)	0.64	5.44	7.07	9.25	10.88	13.06
150 (C.E.)	0.56	4.76	6.19	8.09	9.52	11.42
300 (O.E.)	1.24	10.54	13.70	17.92	21.08	25.30
300 (C.E.)	1.08	9.18	11.93	15.61	18.36	22.03
700 (O.E.)	2.86	24.31	31.60	41.33	48.62	58.34
700 (C.E.)	2.58	21.93	28.51	37.28	43.86	52.63
2500 (O.E.)	10.09	85.77	111.49	145.80	171.53	205.84
2500 (C.E.)	9.14	77.69	101.00	132.07	155.38	186.46

ROTARY AIR LOCK FEEDER CAPACITIES

FT³/min @ 67% EFFICIENCY Formula Cap. = DISP (VE) (SPD)
 CFM = CFR (%) (RPM)

TE FEEDERS						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
2" TE (O.E.)	0.014	0.09	0.12	0.16	0.19	0.23
5" TE (O.E.)	0.18	1.20	1.60	2.10	2.40	2.90
6" TE (O.E.)	0.26	1.70	2.30	3.00	3.50	4.20
8" TE (O.E.)	0.57	3.80	5.00	6.50	7.60	9.20
10" TE (O.E.)	1.26	8.40	11.00	14.40	16.90	20.30
12" TE (O.E.)	2.30	15.40	20.00	26.20	30.80	37.00
16" TE (O.E.)	3.50	23.50	30.50	39.90	46.90	56.30
7-3/4" x 10" TE (O.E.)	0.15	1.00	1.30	1.70	2.00	2.40
8" x 10" TE (O.E.)	0.30	2.00	2.60	3.40	4.00	4.80
10" x 11-1/2" TE (O.E.)	1.00	6.70	8.70	11.40	13.40	16.10
12" x 13" TE (O.E.)	1.80	12.10	15.70	20.50	24.10	28.90
12" x 20" TE (O.E.)	2.75	18.40	24.00	31.30	36.90	44.20
16" x 16" TE (O.E.)	3.33	22.30	29.00	37.90	44.60	53.50
16" x 27" TE (O.E.)	5.23	35.00	45.60	59.60	70.10	84.10
16" x 27" (C.E.)	4.71	31.60	41.00	53.60	63.10	75.70

DA FEEDERS						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
DA50 (C.E.)	0.50	3.40	4.40	5.70	6.70	8.00
DA100 (C.E.)	1.00	6.70	8.70	11.40	13.40	16.10
DA160 (C.E.)	1.60	10.70	13.90	18.20	21.40	25.70

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SHROUDED FEEDERS						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
8" S (C.E.)	0.15	1.00	1.30	1.70	2.00	2.40
10" S (C.E.)	0.39	2.60	3.40	4.40	5.20	6.30
10" x 18" S (C.E.)	0.64	4.30	5.60	7.30	8.60	10.30
15" S (C.E.)	1.33	8.90	11.60	15.10	17.80	21.40

METRIC FEEDER						
Feeder Size	FT³ Displ.	RPM				
		10	13	17	20	24
150 (O.E.)	0.64	4.30	5.60	7.30	8.60	10.30
150 (C.E.)	0.56	3.80	4.90	6.40	7.50	9.00
300 (O.E.)	1.24	8.30	10.80	14.10	16.60	19.90
300 (C.E.)	1.08	7.20	9.40	12.30	14.50	17.40
700 (O.E.)	2.86	19.20	24.90	32.60	38.30	46.00
700 (C.E.)	2.58	17.30	22.50	29.40	34.60	41.50
2500 (O.E.)	10.09	67.60	87.90	114.90	135.20	162.20
2500 (C.E.)	9.14	61.20	79.60	104.10	122.50	147.00