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Specifications

Isolators Drives and Capacities

A-1110

Rev. 5

06 / 23

FEEDER MODEL	BARE SHAFT WT	(TXT) ^Δ SHAFT MOUNT REDUCER	PREMIUM MOTOR H.P. + CLASS		FEEDER RPM		CAPACITY @100%		1m/s CAPACITIES - UPH			
			1	2	1 m/s LINEAR SPEED	BEARING TEMP SENSOR	DISPLACEMENT Cu.Ft. /Rev.	CFM	FINE DUST (30%)	FINE DUST (50%)	MAX UPH (70%)	
1418BE2F												
2025BE2F	1130	TXT425	3	5	34	36	3.5	126	11	19	26	
2530BE2F												
2535BE2F	2290	TXT425	5	7.5	30	35	6.8	238	21	36	50	
3030BE2F	3784	TXT625	10	15	24	28-32	9.75	312	28	47	66	
3035BE2F*												
3045BE2F*	4150	TXT625	10	15	24	28-32	14.6	467.2	42	70	98	
3545BE2F*	6000	TXT725	15	20	21	26	21.6	561.6	50	84	118	
3555BE2F*												

- Refer to the BAUM PNEUMATICS [maintenance manual](#) for safety and additional information regarding ISOLATOR Feeders.
- For chip feeders [see A-1105](#)
- Firelocks are designed based on combustion characteristics of all fine SPF wood dust as per ASTM E1226 grinding specifications ([see the Rotary valve passive isolation calculations report](#)). Any change in material or size distribution requires new engineered design.
- Δ 1.30 service factor for belt drives.
- High load of bigger particles would require a bigger clearance.
- * **Not offered as Isolator, close clearance only!**

FEEDER SIZE IS DETERMINED BY DIAMETER X LENGTH OF HOUSING DISCHARGE

MAX volume (70%) can only be achieved with a good infeed ([see A-1280](#)).

UPH = Units Per Hour
one unit equals 200
cubic feet of loose material

Weight is in pounds (Net)

Reduce RPM for light material, (slower to reduce perculating the material at the infeed of the feeder)

+ Motor, Drive and Reducer is for **Class 2** Service. (Belt Drive 1.3 SF)

Class 3 recommended for feeders operating close to their max capacity, (use 2 15/16 shaft on 20x30 feeder and 3 7/16 shaft on 25x35)

