UNIT SPECIFICATIONS

5000ED		Customer Name	
400 HP	(298 kW)	Customer Order	420.2525
S0732		Job No	C20.0971
	400 HP	400 HP (298 kW)	400 HP (298 kW) Customer Order

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Electrical			Shredder Dimensions		
Voltage/Phase/Freq.	460/3/60		Cutting Chamber Width	52 in	(1321 mm)
Control Voltage	24 VDC		Cutting Chamber Length	101 in	(2555 mm)
			Cutting Chamber Height	31 in	(786 mm)
			Hopper Infeed Height	159 in	(4039 mm)
Planetary Gear Reducer			Overall Height	164 in	(4166 mm)
Manufacturer	Brevini	Brevini	Overall Width	74 in	(1878 mm)
Model	PDL143S	PDL143S	Overall Length	234 in	(5944 mm)
Ratio	65.5:1	65.45:1	Stand Height	60.00 in	(1524 mm)
SSP Coupling					
Manufacturer	Falk		Weights		
Model	1100T41		Shredder Assembly	59,000 b	(26,550 kg)
Spring Setting	2.67 in	(67.9 mm)	Heaviest Piece - Installation		
Spinig Colling	2.07	(07.011111)	Part Name	Shredder Head	
			Part Weight	40,000 b	(18,000 kg)
Cutter Stack			Maintenance weights	40,000 B	(10,000 kg)
Start Clearance	0.25in	(6.4mm)	Planetary Reducer	1,420 lb	(640 kg)
Stack Order	see S0732.xls	(0.411111)	Shaft (drive)	2,600 lb	(040 kg) (1,170 kg)
Cutter Diameter	26.1 in	(662 mm)	Cutter	250 lb	
	-	(663 mm)			(115 kg)
Thickness (Nominal)	2.50 in	(64 mm)	Endplate	2,500 lb	(1,125 kg)
Endplate Hub Bolt Torques			Shaft Speeds	Synchronous	Maximum
Jacking Bolt Torque	50 ft- b	(68 Nm)	Right Hand Shaft	28 rpm	32 rpm
Coorboy Booring Not Torong			Left Hand Shaft	21 rpm	24 rpm
Gearbox Bearing Nut Torque Bearing Lock Bolt Torque 40 ft-b (54 Nm)		(54 Nm)	Shaft Torque (Peak)		
Bearing Leek Beit Ferque	1011 5	(0 1 1 1 1 1 1)	Right Hand Shaft	68,700 ft-lb	(93,200 Nm)
			Left Hand Shaft	91,700 ft-lb	(124,300 Nm)
Oil Capacities					
Shredder Gear Box	200 gal	(757 L)	Cutter Force at Tip (Peak))	
Planetary Gear Reducers	6.0 gal	(23 L)	Right Hand Shaft	63,200 bs	(281,000 N)
			Left Hand Shaft	84,200 bs	(375,000 N)
			Cutter Tip Speed at Tip (Maximum)		
			Right Hand Shaft	219 ft/min	(1.12 m/s)
			Left Hand Shaft	165 ft/min	(0.84 m/s)
			Revised:	1/26/21	CSH