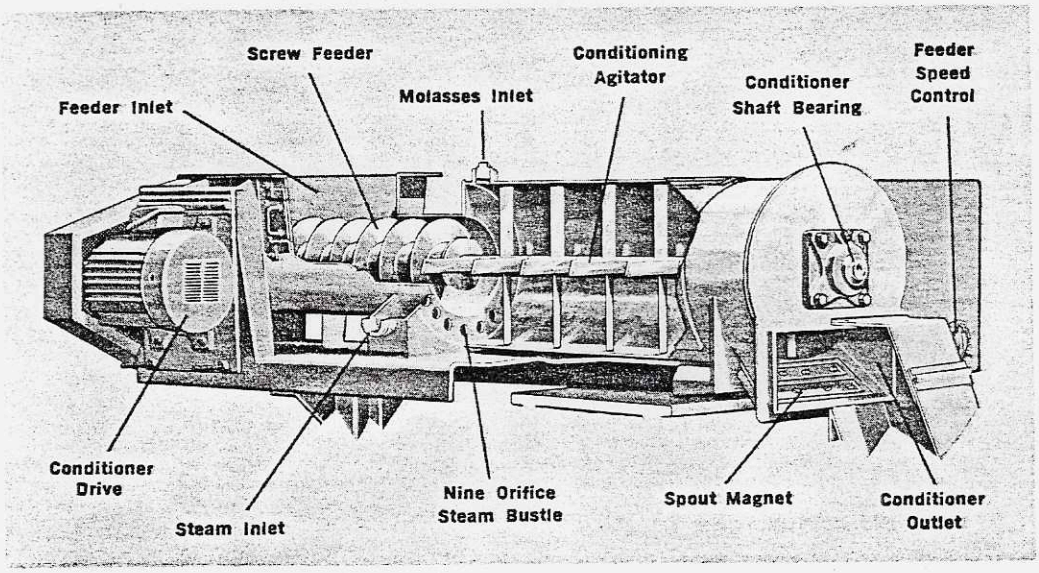

18 x 56 Dual Drive Feeder-Conditioner, with independently driven constant speed agitator and variable speed feed screw.

Conditioner section has 18" diameter x 56" long conditioning chamber, adjustable agitator paddles, quick opening inspection door, multiple orifice steam bustle, dial thermometer, and built-in magnet. Agitator driven by guarded V-belt drive from a constant speed motor.

Feed screw drive consists of guarded chain drive, gearmotor, controller, speed control potentiometer, and isolation transformer. Gearmotor is standard explosion proof, 1-1/2 HP, 3 phase, 60 Hz., 230/460 volts. Screw speed is controlled by an AC electronic variable frequency motor speed controller. NOTE: Controller does not require a starter. Input power supply must be 230 or 460 volts AC, single phase. (Controller requires single phase input, has 3 phase output.)

Controller operates 60 Hz., 350 nameplate RPM gearmotor from 12 - 90 HZ (70 - 525 RPM). With standard 20T - 84T sprockets, screw operates from 7 - 175 RPM. Capacities for STANDARD sprocket-screw combination are listed in TOP LINE of following chart. Special combination listed on following line.

Feed Screw Type	Sprockets	Screw RPM	Screw Capacity cu.ft./rev.	CAPACITY - TONS/HR. (min.-max.) at feed density lb./cu.ft.				
				20	25	30	35	40
Standard	20T-84T	17-125	0.308	3-23	4-28	5-34	6-40	6-53
Special	24T-84T	20-150	0.308	4-27	5-34	5-41	6-48	7-55

(Capacity Formula is TPH = 0.03 x V x RPM x Density, where V = volumetric screw capacity, cu.ft./rev.
Example: 0.03 x 0.308 cu.ft./rev. x 125 RPM x 40 lb./cu.ft. = 53.361 TPH.)

NOTE: Special high capacity screw (0.46 cu.ft./rev.) available for low density, fibrous material (Bagasse, light fraction waste, etc.).

18 x 56 DUAL DRIVE FEEDER CONDITIONER

FORM 2138

WITH A. C. ELECTRONIC VARIABLE FREQUENCY DRIVE