



**SERIES 2072
DISPERSER, POST MOUNTED,
VARIABLE HIGH SPEED, VECTOR DRIVE
MODEL DVF-500-52/36-TEFC/SS**

Features:

- Motor: 50 HP, 1750 rpm, 3-phase, 60 Hz, 460V, Inverter Duty, 10: 1, 326T, TEFC
- Mixing Shaft Speed Range: 180 to 1750 rpm, continuously variable
- Mixing shaft diameter is 3" SS304
- Air-Over-Oil Lift, 52" rise, with controls
- Lift limit switch
- High Speed Blade, HSF, 18"
- Controller, NEMA 1, Vector Drive, 3/60/460V input power
- Remote Control Box, Model RCB-N12 (This box is optional and it may be quoted on demand)

This Disperser is designed with a variable speed belt/motor drive using inverter duty motor electrically coupled to a Vector Drive Controller resulting in precise speed control with significant energy savings.

The Controller is programmed at the factory to be turned on/off, to display rpm and to operate (run up or down) within the specified speed range. Interconnection will be done by the customer at site. The unit has to be electrically protected as directed by local code.

The Controller in NEMA 1 enclosure is shown mounted on a pedestal (pedestal is optional). The controller may be mounted on the wall by the Disperser and must be protected from liquid or water sprays.

If wash down of the equipment is part of the process, then the Controller has to be moved away from the Disperser in a safe area. In this case the Disperser has to be controlled by an industrial type control box in NEMA 12 enclosure with digital tachometer, digital ammeter, speed pot and E-stop. This box is humidity proof and it may be located by the Disperser mounted on a wall or on a pedestal. This box may be quoted on demand.

The lift limit switch is connected to controller and wired at site to shut down the motor when the lift is raised about 10" while the motor is running.



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