

Morehouse Cowles Dissolver Disperser

Mfg: Morehouse Cowles

Model: 510VHV

Stock No: SIB148.11

Serial No: C576S

Morehouse Cowles Dissolver Disperser. Model: 510VHV. S/N: C576S. Stainless steel mixer: 1-5/8 in. shaft dia. 10-1/8 in. impeller dia. Louis Allis Motor: 10 Hp, 1725 rpm, 230/460 volts, 24.4/12.2 amps, 60 Hz, 3 phase. Drive rated at 10 HP at 1300 rpm. Belts are C-90 super-oil-heat. Resistant-static conducting. (2) 3-7/8 in. sprockets. (2) 8-3/8 in. driver pulleys. (1) 8-3/8 in. driven pulley. (1) Allen Bradley motor control box, which contains: (1) Allen Bradley transformer: Cat. No. 1497 N2 B. type M. Part No. x-343858. 0.075 K.V.A., primary voltage: 240-480/220-440 V, secondary voltage 120/110, 60/50-60 HZ. (1) Westinghouse Electric contactor, style 765A840G01, Cat. A200MICAC, size 1, 200-230/460 V, 7-1/2/10 hp. Air tank: WESSELS. W.P., national bd. 109988, 150 P.S.I. Temp. 650 °F. Overall dimensions: 5 ft. 2-3/4 in. L. x 1 ft. 9 in. W. 6 ft. 6-1/2 in. H.(ACN151).

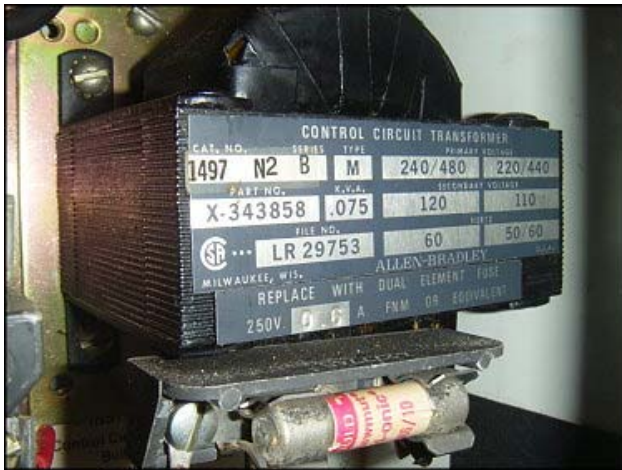
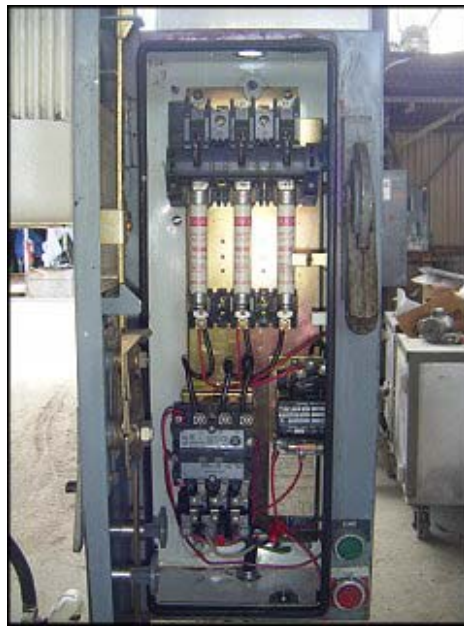












OVERLOAD RELAY HEATER SELECTION

Standard Motor Motors: Select the "Motor Type No." with the label "Full Load Amps" nearest the full load rating of the motor to be protected. Note that the heater and the motor will not operate properly if the heater is too large or too small. The heater should be selected from the "Standard Motor Motors" section of the Bulletin 712, Combination Starter.

Special Purpose Motors: Select the "Special Purpose Motor" from the Bulletin 712, Combination Starter. Note that the heater and the motor will not operate properly if the heater is too large or too small. The heater should be selected from the "Special Purpose Motors" section of the Bulletin 712, Combination Starter.

Rated Full Load Amps

Motor Type No.	Rated Full Load Amps	Motor Type No.	Rated Full Load Amps
001	1.0	011	1.0
002	1.5	012	1.5
003	2.0	013	2.0
004	3.0	014	3.0
005	4.0	015	4.0
006	5.0	016	5.0
007	7.5	017	7.5
008	10.0	018	10.0
009	15.0	019	15.0
010	20.0	020	20.0
011	25.0	021	25.0
012	30.0	022	30.0
013	40.0	023	40.0
014	50.0	024	50.0
015	75.0	025	75.0
016	100.0	026	100.0
017	150.0	027	150.0
018	200.0	028	200.0
019	300.0	029	300.0
020	400.0	030	400.0
021	500.0	031	500.0
022	750.0	032	750.0
023	1000.0	033	1000.0
024	1500.0	034	1500.0
025	2000.0	035	2000.0
026	3000.0	036	3000.0
027	4000.0	037	4000.0
028	5000.0	038	5000.0
029	7500.0	039	7500.0
030	10000.0	040	10000.0

SEPARATE CONTROL CIRCUIT: If the motor will be operated as a voltage motor, the heater should be connected to the motor's control circuit. The heater should be connected to the motor's control circuit through a fuse. The fuse should be selected from the "Separate Control Circuit" section of the Bulletin 712, Combination Starter.

NOTE: SEPARATE CIRCUIT OVERCURRENT PROTECTION: The heater should be connected to the motor's control circuit through a fuse. The fuse should be selected from the "Separate Control Circuit" section of the Bulletin 712, Combination Starter.

GENERAL PARTS LIST (The Part Numbers listed apply only to these starters.)

Part Name	Part No.	Part Name	Part No.
Single Pole Control Box	20000	2 Pole Control Box	20001
Control Box with Terminal Cover	20002	Control Box with Terminal Cover and Fuse	20003
Overload Relay Assembly	20004	Overload Relay Assembly with Fuse	20005
Operating Coil	20006	Operating Coil with Fuse	20007

BULLETIN 712, COMBINATION STARTER

Allen-Bradley Co., Milwaukee

INSTRUCTIONS

Control Circuit Transformers
Bulletin 1497

TRANSFORMER CONNECTIONS

Dual Voltage Primary: Transformer shown connected for High Voltage, for Lower Voltage remove jumper "J" and connect H1 to H3 and H2 to H4.

Single Voltage Primary: Connect H1 to L1 and H2 to L2 at Magnetic Starter.

Transformer to be grounded by purchaser, if conditions permit.

