



Stripping, Scrubbing, Resurfacing

Merlin floor machines are built for high productivity in harsh environments like concrete resurfacing and natural stone polishing. The unique WD™ Wheels Down “Floating Head” design provides 100% pad contact with the floor and perfect operator control. Easier operation and faster production times are what sets this unit apart from standard rotary designs. Do heavy work with less energy. Breaks down into multiple pieces for moving by a single person.

The 100% steel construction is accented with three exterior decorations:

- **Merlin** - All industrial powder coat
- **Merlin CP** - Chrome motor with powder coat brush cover
- **Merlin DX** - Adds pad driver, splash guard and chrome motor

Power

- 1.5 HP, 180 frame, TEFC Dual Capacitor AC motor with 11:1 industrial gears
- 115-230V, 60 Hz power
- 50 ft. 2-pc. 12-3 SJTOW yellow twist lock plug
- Triple-planetary XHD 11:1 helical-cut industrial gears, case hardened with steel coupler drives brushes and tools at 165 RPM.

Engineered Design

- Handle disassembles in 60 seconds for easy transport and storage
- All steel construction with welded “Floating Head” frame
- Heavy duty powder-coated steel handle with 5-position pin lock
- The heavy duty motor guard protects the motor from impact damage
- Thumb-operated safety switch. Dual steel operating triggers.
- Negative pressure on/off switch
- 2” x 8” non-marking load bearing wheels
- Includes 80 lb. weight set
- Optional 28 lb. carriage weight kit
- Increase productivity with the optional solution tanks

Safety Features

- Quiet 66 dB operation. Meets GS42 standard.
- UL/CUL listed



Specifications

Model	HP1517-180-MER	HP1520-180-MER
Part #	F70-01	F70-20-01
Motor / Cover	Black Powder Coated Motor & Brush Cover	Black Powder Coated Motor & Brush Cover
Model	HP1517-180-MER-CP	HP1520-180-MER-CP
Part Number	F70-01-C	F70-20-01-C
Motor / Cover	Chrome Motor & Black Powder Coated Frame	Chrome Motor & Black Powder Coated Frame
Machine Size	17 inch	20 inch
Pad Speed	165 RPM	165 RPM
Amp Draw	7.9 Amp	8.5 Amp

All Sizes

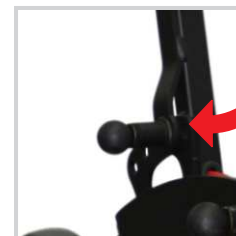
Motor	1.5 HP, 180 frame, TEFC dual capacitor AC motor
Power	115-230V, 60Hz power. 50 Hz optional.
Power Cord	50 ft. 2-pc. (12-3) SJTOW w/ yellow twist lock plug
Drive System	Triple-planetary XHD 11:1 helical-cut industrial gears
dB Rating	66 dB - Meets GS42 standard



Two Piece Twist Lock Connects Machine to 50 ft. Power Cord



8" Wheels for Transport



5-Position Pin Lock Handle All Steel Construction



Optional Carriage Weight Kit (28. lbs.)