



Pneumatic straight and right angle 6B spline drive motors



Powerful HPU-20 with standard remote control pendant



Eibenstock HD available with or without remote control

Power Delivery Solutions for Pipe Cutting & Beveling

E.H. Wachs offers a wide variety of power drive motor options including electric, hydraulic and pneumatic. All Wachs machine tools require a smooth, controllable power source, essential to produce the precision weld preps needed for high quality, repeatable welds.

Many Wachs machines can be operated with multiple drive types, while others are designed for a single or specialized drive type. Whichever machine you purchase or rent, OD or ID mounted, Wachs has the optimum power solution for your application.



ACM Air Control Module with Remote Control For MDSF, SDSF, EP 424, & SDB/FF Series

E.H. Wachs Air Control Module (ACM) is two accessories in one, an ATM Air Treatment Module that regulates and conditions the incoming air supply to protect valuable air motors, and a remote control device that allows the operator the freedom to move away from the machine. The ACM allows operators to cut and bevel pipe up to 7.9m (26feet) away, significantly reducing fatigue while moving the operator a safer distance from the workpiece, important in highly restricted or potentially hazardous environments.

- All air design, with no other power source required
- Compact, self contained; controls and hoses go in the strong, watertight case
- Lockable case with wheels and telescoping handle for easy transport
- Lightweight, ergonomic remote for operator comfort
- 1.8m (6 foot) remote umbilical provides the operator unencumbered movement and optimum positioning
- Pressure regulator locks at desired pressure; 116psi (8 BAR) maximum setting
- Dual unit pressure gauge for quick visual confirmation of supply pressure
- Vented non-marring quick disconnect with easy push to connect and one handed disconnection
- Durable 6m (20 foot) air line for any operating position and improved safety

Easy Operation

Everything needed to quickly set up and start operating remotely is contained inside the case. The ACM uses the large "Chicago" style air coupler for our split frame and end prep machines, and includes the required adapters to control the SDSF and other machines that use a smaller air connector.

Safety Features

- Lockable shut-off for supply isolation
- Pressure relief system
- Shut-off vents trapped system pressure
- Emergency stop shuts off and dumps air motor supply
- Operator reset required following main pressure failure or emergency stop activation, preventing dangerous movement

Specifications

- **Air Power Requirements:**
ACM - 1.84m³/min at 6.3 BAR (65cfm; 90-232psi) compressed air supply
- **Packaging:** Heavy duty storage case, transport with handle and wheels
- **Dimensions:** 457 x 500 x 305mm (18.0 x 19.7 x 12.0in)
- **Materials:** Ultra high-impact copolymer resin case & steel control panel
- **Weight:** 15.4kg (34lb)

Standard Equipment

- Integrated control module
- 1.8m (6ft) remote cord
- 6m (20ft) air hose
- Remote hand controller
- Heavy Duty Transport/Storage Case
- Operating Instructions

ITEM	RENTAL #	PART #
ACM Air Control Module for pneumatic motors	R69-4101-01	69-4101-01



Air Control Module ACM
for pneumatic motors



Ergonomic fingertip control
with safety stop button



ACM controlling Split Frame

ATM Air Treatment Modules

Pneumatic power is the first choice of most field machinists, but untreated air can be rough on even the toughest air motors. Strongly recommended, Wachs ATM Air Treatment Modules condition and regulate incoming air, extending motor life.

DESCRIPTION	PART #
ATM Air Treatment Module (Non-CE)	26-407-00
ATM Air Treatment Module for DynaPrep MDSF	69-4100-00
ATM Air Treatment Module Remote for DynaPrep MDSF	69-4101-00



Air Treatment Module ATM

Pneumatic Drive Motors

Wachs offers a broad range of pneumatic, hydraulic and electric drive motor options with the power and durability for form tooling, single pointing and other cutting uses.

DESCRIPTION	PART #
Pneumatic Right Angle Drive Motor w/Speed Control, Chicago Fitting, and ACM Air Control Module	69-5454-00
Pneumatic Right Angle Drive Motor w/Control Handle, Speed Control, Chicago Fitting, and ATM Air Treatment Module	69-5452-00
Pneumatic Right Angle Drive Motor w/Control Handle, Speed Control, Oiler, Filter, and Chicago Fitting	69-5450-00
Pneumatic Straight Drive Motor w/Speed Control, Chicago Fitting, and ACM Air Control Module	69-5455-00
Pneumatic Straight Drive Motor w/Control Handle, Speed Control, Chicago Fitting, and ATM Air Treatment Module	69-5453-00
Pneumatic Straight Drive Motor w/Control Handle, Speed Control, Oiler, Filter, and Chicago Fitting	69-5451-00
Pneumatic Reversible Right Angle Drive Motor w/Handle	69-4353-01



Pneumatic drive motors are available in straight & right angle models

DynaPrep MDSF Pneumatic Meter-Out Kits

Meter-out kit consisting of exhaust manifold, speed control, and muffler. Controls (meters) the airflow on the exhaust (out) side to yield high torque, low rpm operation for high alloy materials like stainless steel and Inconel. Where extra torque and precise speed control at slow speeds is required, consider a meter-out kit for your air motor. It is the ideal upgrade for machining stainless steel and other corrosion resistant alloys.

DESCRIPTION	PART #
Straight Drive Meter-Out Adapter Kit	69-4366-00



Straight Drive Meter-Out Adapter Kit

POWER Hydraulic

Hydraulic Power Units

Gasoline HPU Model HCM-2G (14-000-08)

11 HP Honda gasoline engine driven hydraulic cart mounted power unit, with electric start, hour meter, spark arrestor, low oil level shut down and oil cooler.

Rated for 10 GPM @ 1500 PSI (37.9 LPM @ 103 BAR)

Diesel HPU Model HCM-D23 (14-000-33)

23 HP diesel engine driven hydraulic cart mounted power unit, with electric start, hour meter, fuel gauge, spark arrestor, low oil level shut down and oil cooler. Rated for 15 GPM @ 1800 PSI (56.8 LPM @ 124 BAR)

Electric HPU Model HCM-3E4-50 (14-000-28)

15 HP 415-440V 50Hz (IP44 rated) 3 phase electric motor driven hydraulic cart mounted power unit, with electric motor switch and oil cooler.

Rated for 15 GPM @ 1500 PSI (56.8 LPM @ 103 BAR)

Electric HPU Model HCM-3E3-50 (14-000-29)

15 HP 380V 50Hz (IP44 rated) 3 phase electric motor driven hydraulic cart mounted power unit, with electric motor switch and oil cooler.

Rated for 15 GPM @ 1500 PSI (56.8 LPM @ 103 BAR)



Cart Mounted, Gasoline Fueled Hydraulic Power Unit



Diesel D23 Hydraulic Power Unit



Electric Hydraulic Power Unit

Hydraulic Hose Set & Accessories

DESCRIPTION	PART #
45 foot - 1/2in Hydraulic Hose Set W/Quick Disconnects (Not for use with Trav-L-Cutter Model HE)	03-404-00
45 foot - 5/8in Hydraulic Hose Set including 4 sets M/F Quick Disconnects. (For use with Trav-L-Cutter Model HE)	02-408-00
20 Foot - 1/2in Hydraulic Hose Set	09-406-00
Female Hydraulic Disconnect (1)	09-025-00
Male Hydraulic Disconnect (1)	09-026-00

MODEL	ENGINE	GPM/LPM	FRAME TYPE	OIL COOLER	FUEL	HYD OIL (USABLE)	HYD RELIEF PRESSURE	FILTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT
HCM-2G	11HP Gas	7 GPM (26 LPM)	Cart Mount	None	1.6 GAL (6.1 LTR)	5.0 gal (19 ltr)	1500 PSI (103 BAR)	10 MICRON RETURN LINE CANISTER TYPE	26.5in (67cm)	20in (51cm)	27.5in (70cm)	143lb (65kg)
HCM-3E4	15HP Electric	15 GPM (57 LPM)		Air to Oil with Fan	N/A	4.0 gal (15.4 ltr)			27.5in (70cm)	24.5in (62cm)	31.5in (80cm)	200lb (90kg)
HCM-3E3				Air to OIL	5.0 GAL (18.9 LTR)	5.0 gal (19 ltr)	1800 PSI (124 BAR)		39in (99cm)	29in (73.7cm)	36.5in (93cm)	520lb (236kg)
HCM-D23	23HP Diesel											
HPU-20	20HP Electric	18 GPM (68 LPM)	Trolley Mount	Air to OIL	N/A	30 gal (114 ltr)	1500 PSI (103 BAR)		46.5in (104cm)	21in (53.3cm)	28in (71cm)	850lb (195kg)
HSM-SQ	15HP Electric	15 GPM (57 LPM)	Skid			5.0 gal (19 ltr)	1500 PSI (103 BAR)		43.7in (110cm)	31.5in (80cm)	56.3in (143cm)	CONSULT FACTORY

Heavy Duty Electric Model HPU-20 (14-000-35)

380-480v Electric Motor Driven Remote Controlled Hydraulic Power Unit.

Standard Features

- UL Listed NEMA 4 Electrical Controls Power (50/60HZ 3 Phase)
- 380-480V 3 phase input power
- Over temp shut off
- Low oil light
- Remote pendant control with a 12 ft and a 50 ft extension cable
- Remote stop / start and flow control
- Removable base with non-marring casters
- Five (5) point rigging / lifting system
- Heat exchanger complete with digital readout
- Ultra quiet helical hydraulic gear pump
- Powder coat finish
- Operating manual

Specifications

- 52.5in H x 26in W x 34.75in L
- 20HP 3 phase electric motor
- 30 gal tank capacity
- 850lb operating weight with base & hydraulic oil
- Factory Pressure Relief Setting 1800 psi (124 BAR)
- Variable Flow from 4-18 GPM (15-68 l/min)
- Electric Power Requirements 380-480v (3 Phase) 50/60Hz @ 30 Amps
- Sound level 62db at full flow
- HPU is shipped without Hydraulic Oil.

Hydraulic Drive Motors

Ideal for full or partial immersion. Tool-free connection allows the motor's 6B spline drive and face gear to slide into place, providing fast setup. Available models include with Flow Control for cart HPU use and without Flow Control for pendant equipped HPU-20.

DESCRIPTION	PART #
MDSF Hydraulic Drive Motor With Flow Control	69-4358-00
MDSF Hydraulic Drive Motor for HPU 20 without Flow Control	69-4363-01
EP 424 Hydraulic Drive Motor	81-310-00
SDB / FF Hydraulic Drive Motor	56-413-03

Electric Drive Motors

German manufactured Eibenstock electric drives represent the pinnacle of precision electric drive motors. These HD drive motors are compact yet powerful, and matched to drive select DynaPrep MDSF Split Frames. In addition they can be used to power SDB 206 and 412 end preps plus FF 313 and 424 flange facers. Smooth, quiet, and powerfully efficient they pack a large amount of power in a relatively compact package. Available with machine control, remote control pendant or full remote control pendant and trip in 110V and 220V models.

DESCRIPTION	PART #
Eibenstock HD Electric Drive-110V, MDSF	69-4340-00
Eibenstock HD Electric Drive-220V, MDSF	69-4341-00
Eibenstock HD Electric Drive-110V with remote pendant (requires controller box)	69-4342-00
Eibenstock HD Electric Drive-220V with remote pendant (requires controller box)	69-4343-00
Eibenstock HD 110v with remote pendant, electric remote trip, controller box	69-4344-00
Eibenstock HD 220v with remote pendant, electric remote trip, controller box	69-4345-00
Eibenstock Drill-style Electric Drive Assembly-110V	SPG-489-4110
Eibenstock Drill-style Electric Drive Assembly-220V	SPG-489-4220



Heavy Duty Electric HPU-20



Hydraulic Drive Motor without flow control for use with HPU-20



Hydraulic drive motor



Provides electric power with remote control options available

Choosing the Best Drive Option

E.H. Wachs offers a wide variety of power drive options, including pneumatic, hydraulic and electric. Here are a few things to consider when selecting the appropriate drive for your application.

Pneumatic Power

Pneumatic is the most popular choice due to the wide availability of compressed air, and offers good power characteristics and controllability. Where extra torque is desired consider a meter-out kit for your air motor.

Hydraulic Power

Hydraulic power is the most uniform across a given power range, regardless of the rpm of the machine tool. It is a clean, sealed power source ideal for use in hostile environments including airborne salt spray, sand, and partial or full immersion in mud or water.

Electric Power

The best choice where airborne or fluid contamination is highly undesirable, such as in high purity and power generation applications is electric power. Remote control with and without remote trip are available in 110v and 220v models.

Remote Control

E.H. Wachs offers remote control options available for all three drive types.

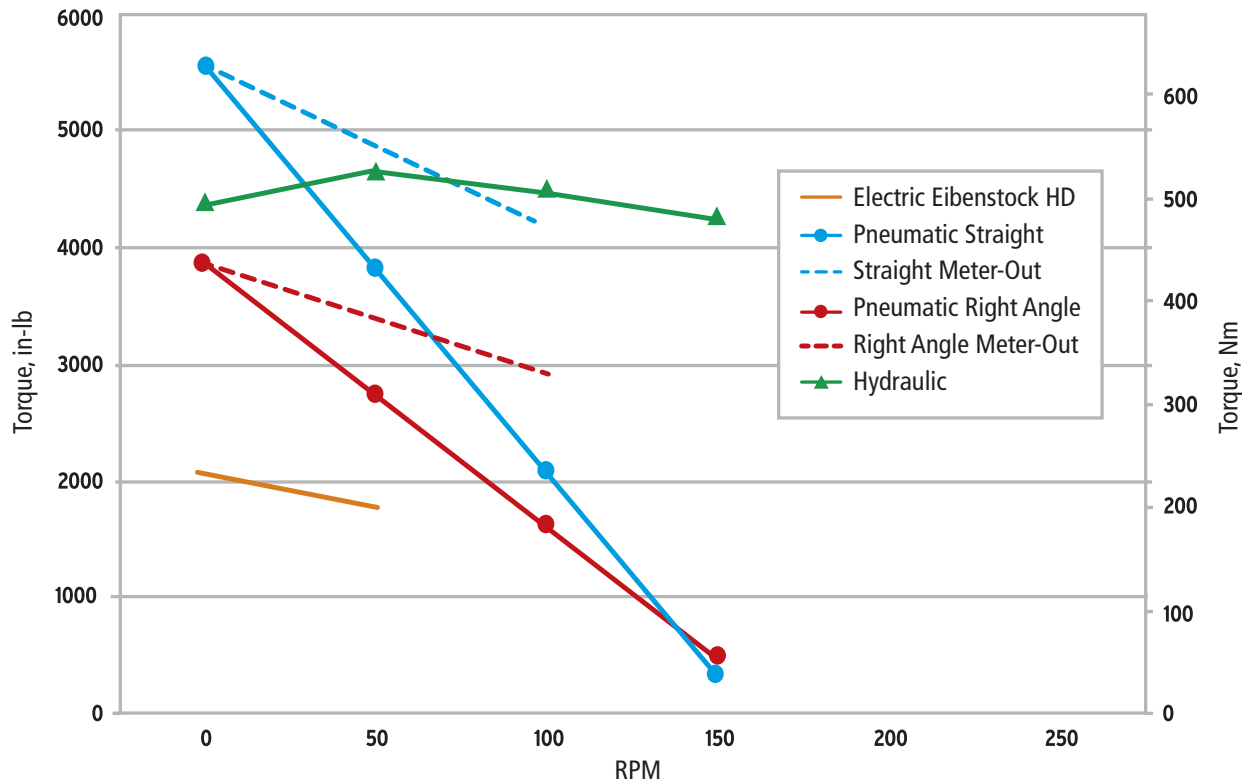


Pneumatic drive motors



Hydraulic drive motors with flow control

Drive Motor Torque Comparison Electric, Pneumatic, & Hydraulic Drive



ALTHOUGH INITIALLY PROVIDING MORE TORQUE AT SLOW SPEEDS PNEUMATIC DRIVE SHOWS A REDUCTION IN TORQUE WITH AN INCREASE IN SPEED. HYDRAULIC POWER IS THE MOST UNIFORM ACROSS A GIVEN SPEED RANGE.