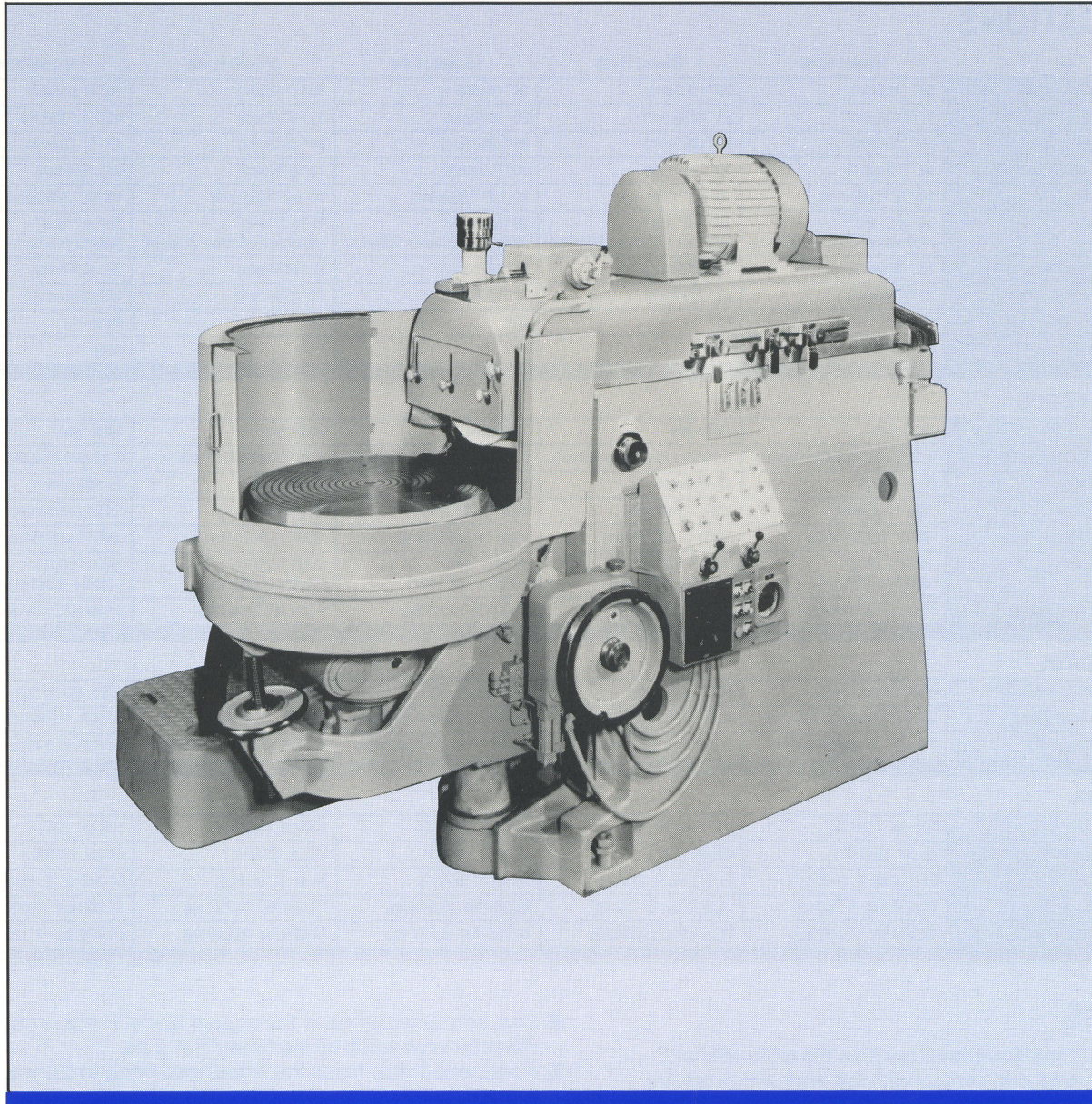


Arter Model H Surface Grinder



Arter Model H Surface Grinder

SPECIFICATIONS

CAPACITY

	Model H-16	Model H-20	Model H-24	Model H-30	Model H-40
<i>Magnetic chuck—nominal dia.</i>	16" (406mm)	20" (508mm)	24" (610mm)	30" (762mm)	40" (1,016mm)
<i>Magnetic chuck—actual face dia.</i>	17" (432mm)	21" (533mm)	26" (660mm)	31" (787mm)	40" (1,016mm)
<i>Swing—max. in water pan</i>	26" (660mm)	26" (660mm)	34" (863mm)	34" (863mm)	47" (1,194mm)
<i>Work height—max. with new wheel</i>	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)	10" (254mm)
<i>Wheel collet flange dia.</i>	10-1/2" (266mm)	10-1/2" (266mm)	10-1/2" (266mm)	10-1/2" (266mm)	10-1/2" (266mm)
<i>Wheel size, standard</i>	16" x 2" x 8" (406mm x 50mm x 203mm)	16" x 2" x 8" (406mm x 50mm x 203mm)	16" x 2" x 8" (406mm x 50mm x 203mm)	16" x 2" x 8" (406mm x 50mm x 203mm)	16" x 2" x 8" (406mm x 50mm x 203mm)
<i>Wheelhead stroke, maximum</i>	13" (330mm)	13" (330mm)	17" (431mm)	17" (431mm)	22" (559mm)
<i>Knee—vertical travel, maximum</i>	12" (304mm)	12" (304mm)	12" (304 mm)	12" (304 mm)	12" (304mm)
<i>Angular tilt—convex</i>	10°	10°	10°	10°	none
<i>Angular tilt—concave</i>	10°	10°	10°	10°	none

SPEEDS AND FEEDS

<i>Wheelhead spindle</i>	1400 rpm	1400 rpm	1400 rpm	1400 rpm	1400 rpm
<i>Wheelhead traverse (inf. adjustable)</i>	0-10 fpm (0-3,048mm/min)	0-10 fpm (0-3,048mm/min)	0-10 fpm (0-3,048mm/min)	0-10 fpm (0-3,048mm/min)	0-10 fpm (0-3,048mm/min)
<i>Table speed—adjustable</i>	60-250 rpm	45-190 rpm	37-155 rpm	30-125 rpm	25-100 rpm
<i>Feed handwheel—one revolution</i>	.020" (.509mm)	.020" (.509 mm)	.020" (.509 mm)	.020" (.509 mm)	.020" (.509 mm)
<i>Feed handwheel—finest division</i>	.0001" (.00254mm)	.0001" (.00254mm)	.0001" (.00254mm)	.0001" (.00254mm)	.0001" (.00254mm)
<i>Power feed—adjustable</i>	.0001"-.0015" (.00254-.0381mm)	.0001"-.0015" (.00254-.0381mm)	.0001"-.0015" (.00254-.0381mm)	.0001"-.0015" (.00254-.0381mm)	.0001"-.0015" (.00254-.0381mm)
<i>Table slide power positioning</i>	6 ipm (152mm/min)	6 ipm (152mm/min)	6 ipm (152mm/min)	6 ipm (152mm/min)	6 ipm (152mm/min)

ELECTRICAL DATA

<i>Standard controls: all EGP-1967-1</i>	460V, 60Hz, 3ph	460V, 60Hz, 3ph	406V, 60Hz, 3ph	406V, 60Hz, 3ph	406V, 60Hz, 3ph
<i>Wheelhead spindle motor (std.)</i>	20 H.P. (15 kW)/1800 rpm	20 H.P. (15 kW)/1800 rpm	20 H.P. (15 kW)/1800 rpm	20 H.P. (15 kW)/1800 rpm	20 H.P. (15 kW)/1800 rpm
<i>Hydraulic pump motor (J.I.C.)</i>	7.5 H.P. (5 kW)/1800 rpm	7.5 H.P. (5 kW)/1800 rpm	10 H.P. (7.5 kW)/1800 rpm	10 H.P. (7.5 kW)/1800 rpm	10 H.P. (7.5 kW)/1800 rpm

GENERAL DATA

<i>Tank, coolant capacity</i>	100 gal. (380 lit.)	100 gal. (380 lit.)	100 gal. (380 lit.)	100 gal. (380 lit.)	100 gal. (380 lit.)
<i>Tank, hydraulic capacity</i>	45 gal. (170 lit.)	45 gal. (170 lit.)	80 gal. (300 lit.)	80 gal. (300 lit.)	80 gal. (300 lit.)
<i>Floor space (approx.)</i>	51-1/2 sq. ft. (4.75m ²)	51-1/2 sq. ft. (4.75m ²)	58 sq. ft. (5.4m ²)	58 sq. ft. (5.4m ²)	64-1/2 sq. ft. (6m ²)
<i>Weight—Net (approx.)</i>	11,600 lbs. (5,272 kg)	11,600 lbs. (5,272 kg)	12,200 lbs. (5,545 kg)	12,600 lbs. (5,727 kg)	14,300 lbs. (6,500 kg)
<i>Weight—Crated (approx.)</i>	12,100 lbs. (5,500 kg)	12,100 lbs. (5,500 kg)	12,700 lbs. (5,772 kg)	13,200 lbs. (6,000 kg)	15,700 lbs. (7,136 kg)

FEATURES

- Batch grind as many identical parts as the table will hold.
- The wheel is always in contact with the work which greatly reduces floor-to-floor time.
- Rotary tables provide work speeds up to 1,000 feet per minute (304.8m/min) which makes the Arter grinders ideal for parts sensitive to heat and warpage.
- Cast iron construction of the rugged Model H soaks up vibration even when taking heavy H.P. cuts.
- A preloaded slide holds the wheelhead firmly in the ways, preventing deflection.
- Convenient handwheel provides angular table adjustment for concave and convex grinding.
- The rotary chuck spindle is supported in large-diameter preloaded taper roller bearings.