

115 VAC SYNCHRONOUS AND TIMING MOTORS

Featured is a representative listing of SYNCHRON® Motors — For additional information or quotation ask salesperson

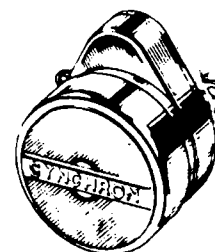
H&R#	RPM
H1-01	1
H1-02	2
H1-03	3
H1-04	4
H1-05	5
H1-06	6
H1-07	8
H1-08	10
H1-09	12
H1-10	15
H1-11	20
H1-12	24
H1-13	25
H1-14	30
H1-17	50
H1-18	60

H&R#	RPM
H1-27	30
H1-44	20
H1-28	15
H1-29	12
H1-45	10
H1-46	6
H1-47	5
H1-30	4
H1-31	3
H1-32	2
H1-33	1

YOUR CHOICE
OF ANY ONE SPEED
1-9 **\$17.95 EA.**
10-24 **\$16.95 EA.**
25-UP **\$14.95 EA.**

- Self-starting • Long life operation • Aluminum rotor cover
- Precision rotor shaft, supported by double bearings for quiet operation
- Gear case sealed against oil leakage, permits mounting in any position.

Synchron® AC Timing motors, 110/120 VAC, 60 Hz. Torque ratings (at 1 RPM): high, 20 oz-in, 4 Watts. Motor may be stalled continuously (in speeds of 1 RPM and faster) without electrical or mechanical damage. CW rotation facing shaft. Shaft, 1/8 dia. x 3/8" long (with flat). Motors, 35 mm (1-3/8" deep, 59 mm (2-5/16") high. Two-hole mounting on 1-7/8" centers. Wire lead connections. Shpg Wt ea, 1 lb.



SLOW SPEED MOTORS

Size: 41 mm (1-5/8") depth,
59 mm (2-5/16") high.
All other specifications as above.
Shpg Wt each, 1 lb

H&R#	1 R PER
H1-48	2 Hrs
H1-49	3 Hrs
H1-50	4 Hrs
H1-53	8 Hrs
H1-51	24 Hrs
H1-52	168 Hrs

YOUR CHOICE
OF ANY ONE SPEED
1-9 **\$28.50 EA.**
10-24 **\$25.95 EA.**
25-UP **\$23.95 EA.**

115 VAC TIMING MOTORS Rotation facing shaft



Representative Illustrations

Torque ratings at 1 RPM: 20 oz-in. min
Wire leads. New. Shpg, 8 ozs.

H & R No.	Speed	Rotation	Watts	Shaft Size (in)	Motor Size (in)	Mfr No.	Price
TM89MTR4440	3 RPH	CCW	1.3	5/32 dia. X 7/32 w/flat	2-1/16 x 2-5/8 x 7/8	Sonceboz 912R2000	\$4.50
TM00MTR4402	3 RPM	CW	4	1/4 dia. x 9/16	2-1/4 x 2 x 1-3/8	Hansen/Synchron	\$9.95
TM00MTR4403*	3 RPM	CW	4	1/4 dia. x 9/16	2-1/4 x 2 x 1-3/8	Hansen/Synchron	\$6.95
TM99MTR4364	4.8 RPM	CW	3.5	9/32 dia. x 5/16 w/flat	2 x 1-15/16 x 2-3/32	Timetech S430.1	\$5.95
TM98MTR3151	10 RPM	CCW	3.5	1/4 dia. x 3/8 w/flat	2-1/2 x 2 x 1-5/16	Crouset Type 127P2251	\$9.95
TM00MTR4436	12 RPM	CCW	5	3/16 dia. x 1/2	1-7/8 x 1	CKD Controls LTD	\$9.95
TM96MTR2886	72 RPM	CW	4	1/8 dia. x 5/16	2 Dia x 1-3/8	Bristol 444	\$9.95
TM96MTR2885	160 RPM	REV	8	1/8 dia. x 5/16	2 Dia x 2	Bristol 830	\$9.95

*Note - TM99MTR4403 is 220 VAC

TIMING MOTORS



Timing motor assortment of Six low RPM motors at various RPM. Some have gears. Rated 115 VAC. Weight 4 lbs.

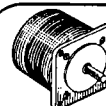
TM90GBG1393 ----- **\$11.95**



120 - 240 VAC 3 RPM

SAIA 1A20CNN4D. . . Synchronous 60 Hz clock motor has high torque at 240 VAC holding at 90 oz/in and at 110 VAC 50 oz/in. 10 mA no load, CW rotation. Shaft size 3/16" dia x 3/8" L flatted. Two hole mounting on 1-7/8" centers. Overall size is 2-5/16" x 2-1/8" x 1-1/4" dp. 5-1/2" leads for connection. New. Shpg wt. 1 lb.

TM99MTR3377 ----- **\$27.50**



Direct Drive Synchronous Motor 115 VAC 72 RPM 100mA

Superior Electric SS25-1110U. . . Continuous operation, 4.5 in-lb torque, 35°C rise in temp (motor is not geared). Size 2-1/8" dia x 2-1/4" with 2-1/4" shaft-end mounting plate. Shaft size 3/4" x 1/4" dia. Supplied with motor specs and documentation, three leads, 0.82 mfd cap and 1/2 ohm 1/2 watt resistor for start-up. RFE in excellent condition. Shpg wt. 2 lbs.

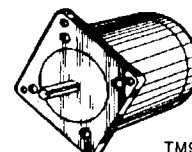
TM99MTR3432 ----- **\$8.50**
5 @ \$7.50 each

72 RPM Superior Electric Hi-Torque SYNCHRONOUS MOTORS

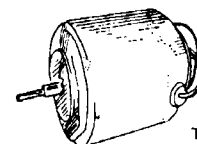
Instant start, stop and reverse. Removed from equipment; good condition.
Motors require phase shift capacitor and resistor for operation (both supplied).

H&R No.	Slo-Syn Mod.	Torque in-oz Run	Hold	Shaft size (inches)	Motor size (inches)	Shpg Wt	Price Each
TM93MTR2426/CR	Slo-Syn SS50	50	80	0.375 dia. x 1.125	3.25 dia x 2.56	3.5 lbs	\$17.50
TM89MTR1464/CR*	Slo-Syn SS150-1077	150	300	2.0" long - 2 section 0.375 and 0.312 dia.	4.25 dia x 4.812	10 lbs	\$39.95
TM97MTR3058/CR	Sigma 20-1266TS-23	500	980	0.25" dia. x 2"	4.25 dia x 5-3/4	16 lbs	\$39.95

* Shaft may have worm gear attached (easily removed)



TM93MTR2426/CR



TM89MTR1464/CR
TM97MTR3058/CR

CHECK AND CREDIT CARD ORDERS: \$25.00 MINIMUM • OPEN ACCOUNT ORDERS: \$50.00 MINIMUM - IN MERCHANDISE



Hurst offers a wide choice of output speeds for process control, time switches, alarm systems, programming instruments, etc.

COMPLETE LINE OF HURST PRODUCTS AVAILABLE

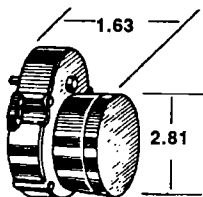
Items listed are generally in our inventory or factory stocked.

ASK SALESPERSON FOR ADDITIONAL INFORMATION AND ITEMS/SPEEDS NOT LISTED

NOTE: TORQUE DECREASES AS SPEED INCREASES

QUANTITY DISCOUNTS AVAILABLE

GEAR HEAD REVERSIBLE SYNCHRONOUS PERMANENT MAGNET MOTORS 115 VAC, 60 HZ · SLEEVE BEARING



SERIES A INPUT 3 WATTS

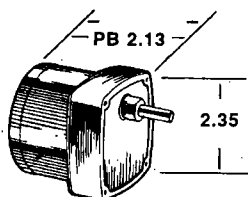
Designed for heavy duty use and widely used in computer peripheral equipment, chart drives, medical instruments and a great variety of industrial applications. Capacitor supplied. Shaft flatted 3/16" dia. x 15/32" long. Shpg Weight, 2 lbs.

H&R NO.	RPM	TORQUE OZ-IN	PRICE EA	H&R NO.	RPM	TORQUE OZ-IN	PRICE EA
H2-601	1	150	\$64.00	H2-607	12	37	\$61.40
H2-602	2	131	\$63.60	H2-608	20	24	\$47.35
H2-603	4	110	\$57.60	H2-609	30	16	\$55.40
H2-604	6	74	\$57.50	H2-610	60	8.1	\$55.20
H2-606	10	44	\$58.60	H2-611	120	4.0	\$57.90

SERIES PB

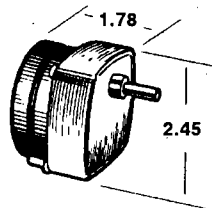
Series PB: Rated 77 oz-in (max. gear train loading) at 30 RPM.

Capacitor supplied. Shaft, flatted 1/4" dia. x 3/4" long. Shpg Wt each, 2 lbs.



Series PB INPUT 10 WATTS

H&R NO.	RPM	PRICE EA
H2-505	30	\$64.00
H2-506	60	\$66.00
H2-809	120	\$66.80



SERIES SA INPUT 5 TO 7 WATT

Output speeds range from 1 to 120 RPM (as stock items) and torque ratings from 200 (max. gear train loading) to 7 oz-in.

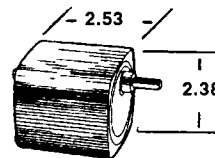
Shaft: Flatted 1/4" dia. x 3/4" long. Capacitors supplied. Shpg Weight, 2 lbs.

H&R NO.	RPM	TORQUE OZ-IN	PRICE EACH	H&R NO.	RPM	TORQUE OZ-IN	PRICE EACH
H2-801	1	200	\$67.30	H2-805	10	126	\$55.40
H2-802	2	174	\$51.25	H2-806	30	64	\$61.50
H2-803	4	152	\$63.50	H2-807	60	32	\$58.40
H2-804	6	140	\$55.40	H2-808	120	16	\$53.30

Available at higher speeds up to 360 RPM on special order - ask salesperson.

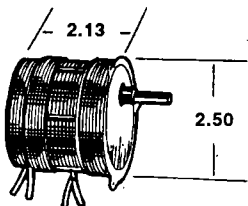
SERIES T INPUT 7 WATTS

Geared T motors are available in a wide range of speeds. The gear trains are the most rugged of the Hurst permanent magnet motors with a maximum recommended loading of 250 oz-in at 1 RPM. Rugged die cast housing. Capacitor supplied. Shaft: Flatted 1/4" diameter x 3/4" long. Shpg Wt each, 3 lbs.



H&R NO.	RPM	PRICE EA.
H2-346	1	\$101.90
H2-347	2	\$96.90
H2-348	4	\$98.60
H2-349	6	\$88.90
H2-350	10	\$88.90
H2-344	25	\$84.00
H2-351	30	\$83.80
H2-352	60	\$84.40
H2-341	100	\$86.60
H2-353	120	\$88.00

GEARED REVERSIBLE SYNCHRONOUS MOTORS INPUT 115 VAC, 60 Hz · SLEEVE BEARING



SERIES CA HYSTERESIS INPUT 5 WATTS

Efficient, compact. Gear torque rating 100 oz-in at 1 RPM. Gear train materials include high quality bronze bearings, brass gears, hardened steel pinions and wheel shafts. Capacitor supplied. Shaft 3/16 dia. x 3/4" long. Shpg Wt, 2 lbs

H&R NO.	RPM	PRICE EA.
H2-240	1/3	\$82.80
H2-241	1/2	\$84.60
H2-242	1	\$85.10
H2-252	1-1/2	\$84.70
H2-243	2	\$81.40
H2-248	8	\$78.60
H2-255	10	\$77.70
H2-253	30	\$79.40
H2-260	150	\$76.80
H2-261	400	\$78.00

SERIES DA HYSTERESIS INPUT 5 WATTS

Heavy duty gear motors maintain timing accuracy and are available in a broad range of shaft speeds from 120 RPM through 24 RPD (on special order). Recommended for applications requiring high gear torque ratings (100 oz-in maximum). Gear train materials include high quality bronze bearings, brass gears, hardened steel pinions and wheel shafts. Small case 2-1/2 dia. x 1-3/4" dp. Capacitor supplied. Shaft: 3/16 dia. x 3/4" long. Shpg Wt, 2 lbs.

H&R NO.	RPM	PRICE EA.
H2-220	1	\$74.40
H2-221	2	\$74.40
H2-222	4	\$75.40
H2-223	6	\$73.10
H2-224	8	\$72.00
H2-225	10	\$72.00
H2-226	12	\$72.50
H2-227	20	\$72.60
H2-228	30	\$69.60
H2-229	60	\$71.10

