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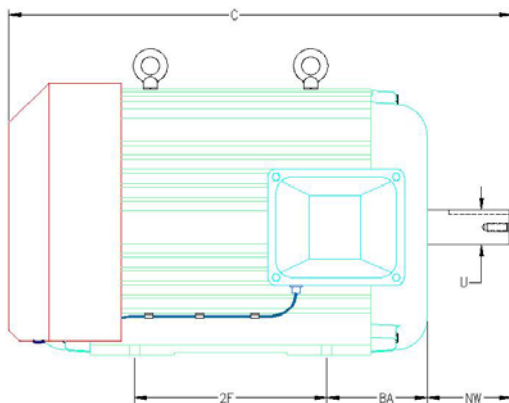
## WRITTEN-POLE<sup>®</sup> MOTOR SINGLE-PHASE, HIGH EFFICIENCY, INTERNAL ROTOR DESIGN CHARACTERISTICS AND SPECIFICATIONS

### CHARACTERISTICS:

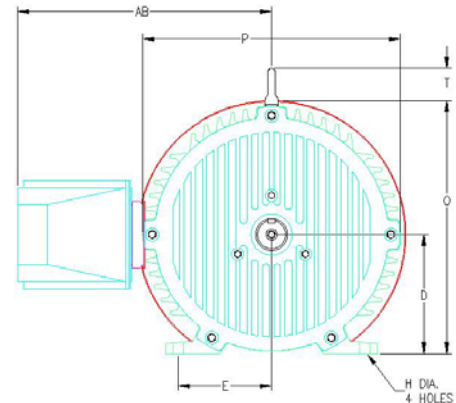
- Single-phase, 15 to 100 HP
- TEFC design
- Low starting current across-the-line
- High efficiency
- Unity power factor
- Eliminates flicker and line sags
- Synchronous
- Low harmonic input
- Smooth (constant torque) start
- High starting torque per amp
- Starts high inertia loads
- Instant restart after MPIs (Momentary Power Interruptions)
- High power factor during start
- Complete unit includes control system in a separate NEMA-4X enclosure

### SPECIFICATIONS:

Rating (hp)		15	20	30	40	50	60	75	100
Speed (rpm)		1800	1800/3600	1800	1800	1800	1800	1800	1800
Voltage (nominal)		230	230	230/460	230/460	460	460	460	460
Frequency (Hz)		60	60	60	60	60	60	60	60
Full Load Amps (FLA)		54	71	105/52	139/69	86	103	128	170
Locked Rotor Amps (LRA)		125	166	200/100	282/128	155	196	225	280
Full Load Torque (ft.lb.)		44	58/29	88/119	117/158	146	175	219	302
NEMA Frame Size:	Iron	256T	286T	365T	405T	405T	445T	445T	449T
Weight (lbs)	Iron	400	500	950	1800	1900	2000	2200	2700
Efficiency %		90	91	93	93.5	94.0	94.5	95	95.5
Ambient Starting Temp. Range	Ambient Starting Temperature is 4° C to 40° C. If your application is outside this range, please contact Precise Power Corp.								



**ADVISORY:**  
 Drawings for Graphical purposes only.



Frame	C*	D	E	H	NW	O*	P*	R	S	T	U	AB*	BA*	ES	2E	2F*
256T	24	6.25	5.00	0.53	4.50	13.50	14				1.625	12.0	3.75			8.25
365T	34.50	8.86	7.00	.66	6.08	18.28	19.29	2.021	.625	2.67	2.375	17.28	5.67	4.56	14.01	12.25
405T	41.22	10.00	8.00	.94	7.25	20.93	22.83	2.45	.75	3.56	2.875	21.54	6.08	5.26	16.00	13.74
445T*	47.70	11.00	9.00	.81	8.50	23.01	25.83	2.88	.875	2.67	3.375	22.24	7.50	7.33	18.00	16.50

\* = Approx. Values

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