



DATA SHEET

Three Phase Induction Motor – Squirrel Cage

GPT00102143TK

1 HP, 3600 RPM, 143T, TEFC, Cast Iron

Product Line: GPT Series

Part Number: GPT0010-2-143T-K

- Frame - 143T
- Output - 1 HP (0.75 kW)
- Poles - 2
- Frequency - 60 Hz
- Rated Voltage - 230/460 V
- Rated Current - 3.5/1.75
- Rated Speed - 3515
- Enclosure Rating - TEFC
- Construction - Cast Iron (*frame & brackets*), Pressed Steel (*fan cover*)

- L.R. Amperes - 15 (460 V)
- Efficiency - 0.77
- Power Factor - 0.69
- Code - M
- Rated Torque (full load) - 1.5
- Locked Motor Torque - 200
- Breakdown Torque - 290
- Insulation Class - F
- Service Factor - 1.25
- Design - B
- C Dimensions - 12.6

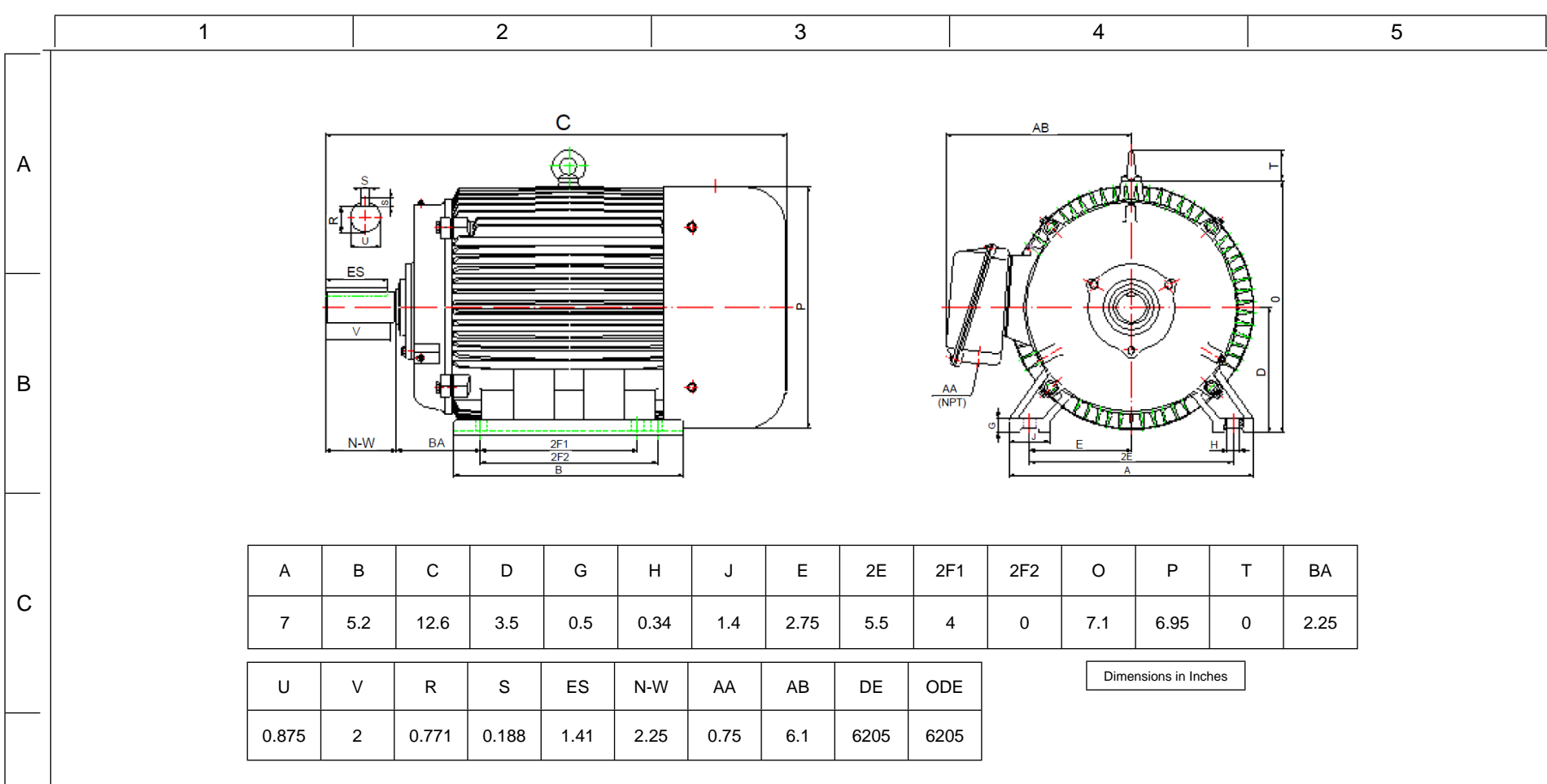
- Duty Cycle - Continuous
- Altitude - 1000 m.a.s.l. (*3000 ft*)
- Protection Degree - IP55-TEFC
- Cooling Method - IC411-TEFC
- Mounting - F1 (*Convertible to F-2*)
- Rotation - Both (*CW and CCW*)
- Shaft Material - AISI 4140
- Ambient Temperature - -20°C to 40°C
- Approx. weight (lbs) - 41

Output	100%	75%	50%	
Efficiency (%)	77	75	70	
Power Factor	69	62	50	

	Drive End	Non Drive End
Bearing Type :	6205	6205
Sealing :	V'Ring	V'Ring
Lubricant Type :	Mobil Polyrex EM	Mobil Polyrex EM

Notes

Customer				Changes Summary
Page	Revision	Performed By		
		Checked By		
		Date		



A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
7	5.2	12.6	3.5	0.5	0.34	1.4	2.75	5.5	4	0	7.1	6.95	0	2.25

U	V	R	S	ES	N-W	AA	AB	DE	ODE
0.875	2	0.771	0.188	1.41	2.25	0.75	6.1	6205	6205

Dimensions in Inches

D	GPT0010-2-143T-K DRAWING		Changes Summary					
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