BALDOR · RELIANCE II

Product Information Packet

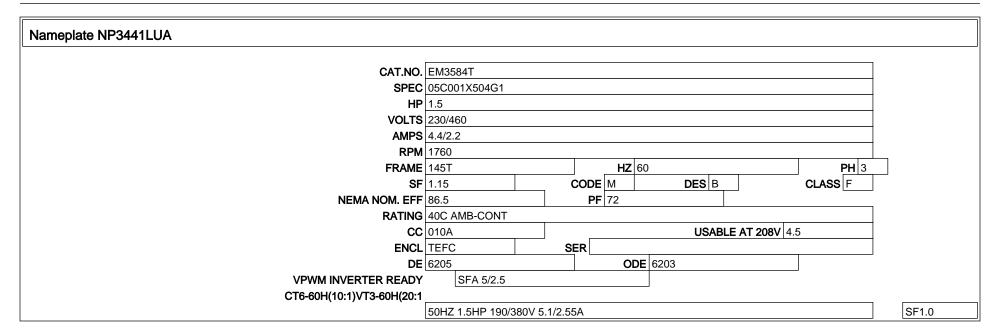
EM3584T

1.5HP,1765RPM,3PH,60HZ,145T,0526M,TEFC,F

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX504	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05C001	Layout:	05LYC001	Poles:	04	Created Date:	11-08-2018
Base:	RG	Eff. Date:	02-21-2022	Leads:	9#18		

Specs				
Catalog Number:	EM3584T	Insulation Class:	F	
Enclosure:	TEFC	Inverter Code:	Inverter Ready	
Frame:	145T	IP Rating:	NONE	
Frame Material:	Iron	KVA Code:	М	
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs	
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing	
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG	
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ко Вох	
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads	
XP Class and Group:	None	Motor Type:	0526M	
XP Division:	Not Applicable	Mounting Arrangement:	F1	
Agency Approvals:	UR	Power Factor:	72	
	CSA EEV	Product Family:	General Purpose	
	CSA	Pulley End Bearing Type:	Ball	
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard	
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard	
Base Indicator:	Rigid	Rodent Screen:	None	
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT	

Blower:	None	Shaft Extension Location:	Pulley End	
Current @ Voltage:	2.200 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding	
	4.400 A @ 230.0 V	Shaft Rotation:	Reversible	
Design Code:	В	Shaft Slinger Indicator:	No Slinger	
Drip Cover:	No Drip Cover	Speed Code:	Single Speed	
Duty Rating:	CONT	Motor Standards:	NEMA	
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line	
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None	
Front Face Code:	Standard	Thermal Device - Winding:	None	
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor	
Heater Indicator:	No Heater	Winding Thermal 1: None		
		Winding Thermal 2:	None	



AC Induction Motor Performance Data

Record # 84211

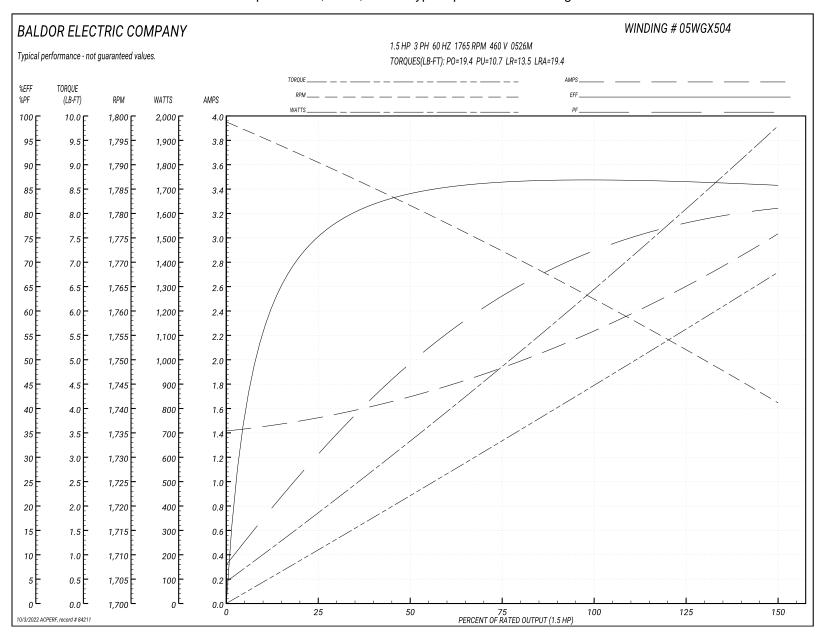
Typical performance - not guaranteed values

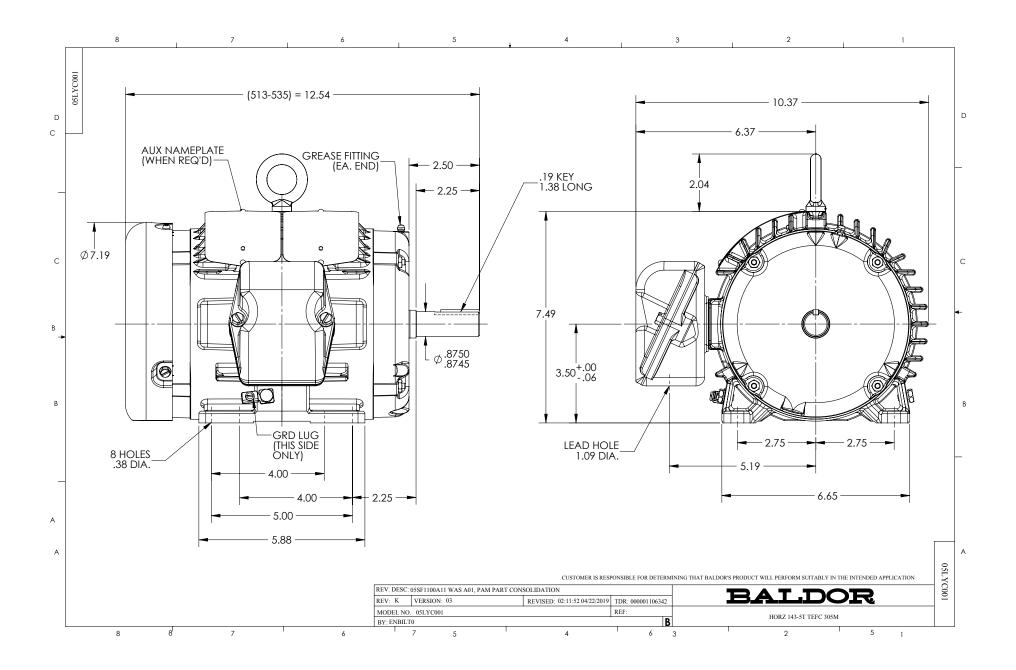
Winding: 05WGX504-R001 Type: 05		526M Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		1.5	Full Load Torque	4.487 LB-FT
Volts		230/460	Start Configuration	direct on line
Full Load Amps		4.5/2.2	Breakdown Torque	19.4 LB-FT
R.P.M.		1765	Pull-up Torque	10.7 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	13.5 LB-FT
NEMA Design Code	B KVA Code	М	Starting Current	19.4 A
Service Factor (S.F.)		1.15	No-load Current	1.43 A
NEMA Nom. Eff.	86.5 Power Factor	72	Line-line Res. @ 25°C	10.088 Ω
Rating - Duty	4	IOC AMB-CONT	Temp. Rise @ Rated Load	35°C
S.F. Amps			Temp. Rise @ S.F. Load	41°C
			Locked-rotor Power Factor	52.7

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	50	63	72	78	81	76
Efficiency	75.2	83.9	86.4	87	86.6	85.7	86.8
Speed	1790	1781.4	1772.2	1762.5	1752.1	1741	1756
Line amperes	1.51	1.69	1.94	2.25	2.62	3.02	2.47

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





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