

Product Information Packet

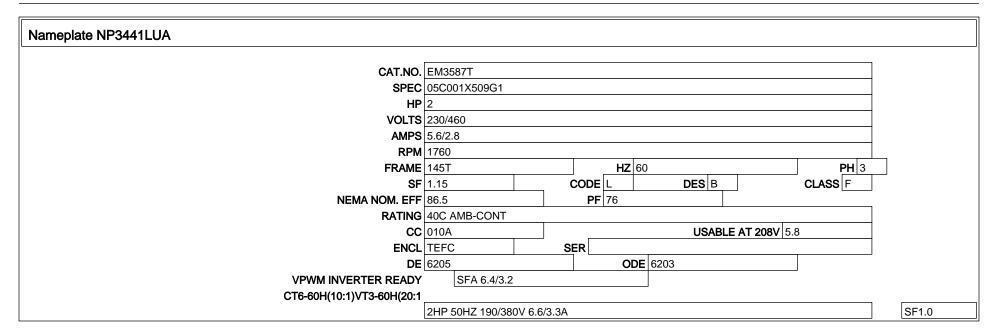
EM3587T

2HP,1760RPM,3PH,60HZ,145T,0526M,TEFC,F1

Part Detail							
Revision:	С	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX509	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05C001	Layout:	05LYC001	Poles:	04	Created Date:	09-29-2021
Base:	RG	Eff. Date:	07-14-2022	Leads:	9#18		

Specs				
Catalog Number:	EM3587T	Insulation Class:	F	
Enclosure:	TEFC	Inverter Code:	Inverter Ready	
Frame:	145T	IP Rating:	NONE	
Frame Material:	Iron	KVA Code:	L	
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs	
Output @ Frequency:	2.000 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:	0528M	
XP Division:	Not Applicable	Mounting Arrangement:	F1	
Agency Approvals:	CSA	Power Factor:	75	
	CSA EEV	Product Family:	General Purpose	
	UR	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:	5.800 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding	
	5.800 A @ 208.0 V	Shaft Rotation:	Reversible	
	2.900 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger	
Design Code:	В	Speed Code:	Single Speed	
Drip Cover:	No Drip Cover	Motor Standards:	NEMA	
Duty Rating:	CONT	Starting Method:	Direct on line	
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None	
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None	
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor	
Front Shaft Indicator:	None	Winding Thermal 1:	None	
Heater Indicator:	No Heater	Winding Thermal 2:	None	



AC Induction Motor Performance Data

Record # 78972

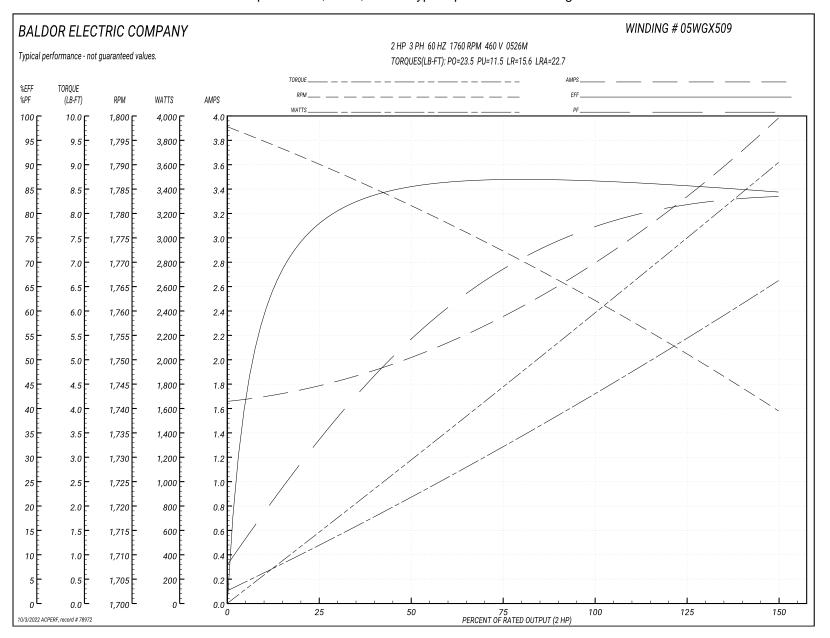
Typical performance - not guaranteed values

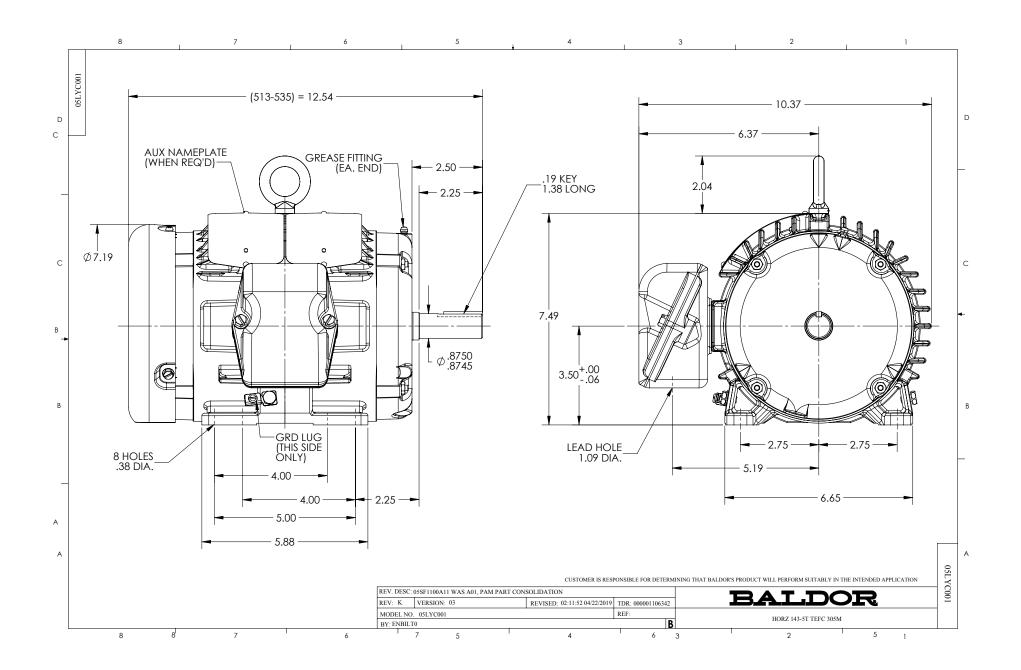
Winding: 05WGX509-R001		Type: 05	526M	Enclosure: TEFC
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		2	Full Load Torque	5.976 LB-FT
Volts		230/460	Start Configuration	direct on line
Full Load Amps		5.6/2.8	Breakdown Torque	23.5 LB-FT
R.P.M.		1760	Pull-up Torque	11.5 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	15.6 LB-FT
NEMA Design Code	B KVA Code	L	Starting Current	22.7 A
Service Factor (S.F.)		1.15	No-load Current	1.69 A
NEMA Nom. Eff.	86.5 Power Factor	75	Line-line Res. @ 25°C	9.5456 Ω
Rating - Duty	4	OC AMB-CONT	Temp. Rise @ Rated Load	40°C
S.F. Amps			Temp. Rise @ S.F. Load	48°C
			Locked-rotor Power Factor	58.1

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	68	77	81	84	79
Efficiency	77.5	85.2	86.9	86.8	85.8	84.3	86.2
Speed	1789.9	1781.4	1772.2	1762.2	1751.3	1739.3	1756
Line amperes	1.75	1.99	2.37	2.83	3.36	3.96	3.15

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





Page 7 of 8

