



Product Information Packet

CEM3587T

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

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX509	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05C052	Layout:	05LYC052	Poles:	04	Created Date:	09-29-2021
Base:	RG	Eff. Date:	08-08-2022	Leads:	9#18		

Specs			
Catalog Number:	CEM3587T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145TC	Inverter Code:	Inverter Ready
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:	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:	Ko Box
	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:	UR	Power Factor:	75
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	2.900 A @ 460.0 V	Shaft Rotation:	Reversible
	5.800 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	5.800 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	CEM3587T										
SPEC	05C052X509G1										
HP	2										
VOLTS	230/460										
AMPS	5.6/2.8										
RPM	1760										
FRAME	145TC				HZ	60				PH	3
SF	1.15		CODE	L	DES	B		CLASS	F		
NEMA NOM. EFF	86.5			PF	76						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V				5.8			
ENCL	TEFC		SER								
DE	6205			ODE	6203						
VPWM INVERTER READY	SFA 6.4/3.2										
CT6-60H(10:1)VT3-60H(20:1											
	2HP 50HZ 190/380V 6.6/3.3A										

AC Induction Motor Performance Data

Record # 78972

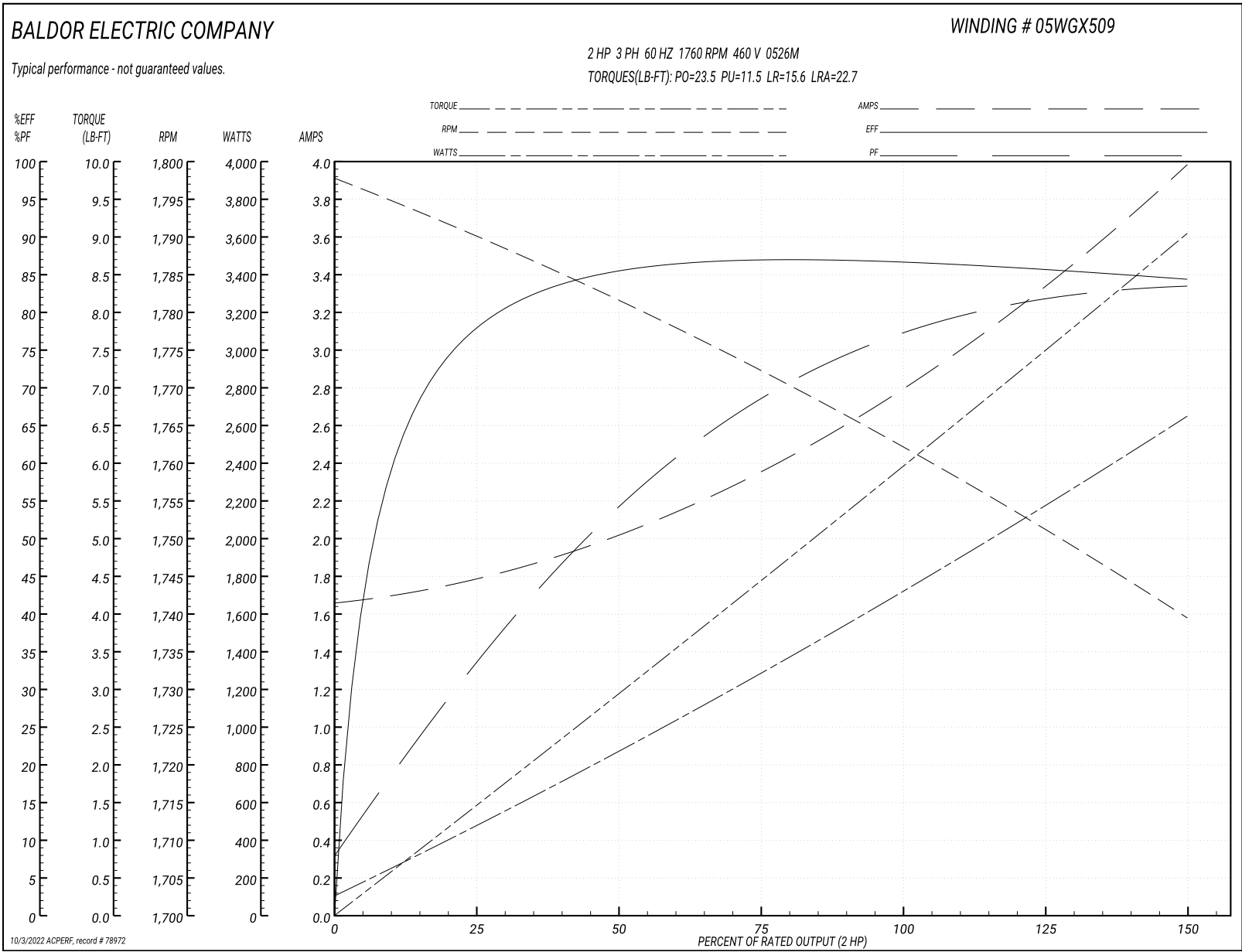
Typical performance - not guaranteed values

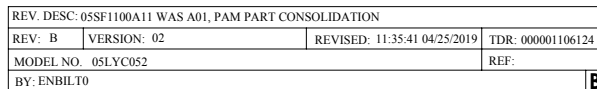
Winding: 05WGX509-R001			Type: 0526M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.976 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		23.5 LB-FT		
R.P.M.		1760	Pull-up Torque		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		40C	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





STD HORZ 143-5TC TEFC 305M W/STD BA FOR 305 MOTORS

