



Product Information Packet

CECP3587T

2HP,1755RPM,3PH,60HZ,145TC,0535M,TEFC,F1

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX009	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05F007	Layout:	05LYF007	Poles:	04	Created Date:	12-29-2008
Base:	RG	Eff. Date:	08-19-2021	Leads:	9#18		

Specs			
Catalog Number:	CECP3587T	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:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP A,B,C,D	Motor Type:	0534M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	75
	CSA EEV	Product Family:	Chemical Processing (Not DC)
	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)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Constant Torque Speed Range:	1.5	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	5.600 A @ 230.0 V	Shaft Rotation:	Reversible
	6.000 A @ 208.0 V	Shaft Slinger Indicator:	Shaft Slinger
	2.800 A @ 460.0 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
		XP Temp Code:	T4

Nameplate NP3258E

CAT.NO.	CECP3587T									
SPEC.	05F007X009G1									
HP	2	TE								
VOLTS	230/460									
AMP	5.6/2.8									
RPM	1755									
FRAME	145TC				HZ	60				
SER.F.	1.15				CODE	L	DES		B	
RATING	40C AMB-CONT									
SN										
DE	6205				ODE	6205				
NEMA-NOM-EFF	88.5				PF	75				
G.MIN.EFF	86.5				CC	010A				
T. CODE	T4				T=	135				

PH	3
CL	F

Nameplate NP3261E

SPEC.	05F007X009G1		
D.E. BRG.	25BC02XP30X		
O.D.E. BRG.	25BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	N/A
BLANK			
INV. TYPE	PWM		
T=	135		
C HP FR	60	C HP TO	90
CT HZ FROM	1.5	CT HZ TO	60
VT HZ FROM	0-	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS			
		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 47104

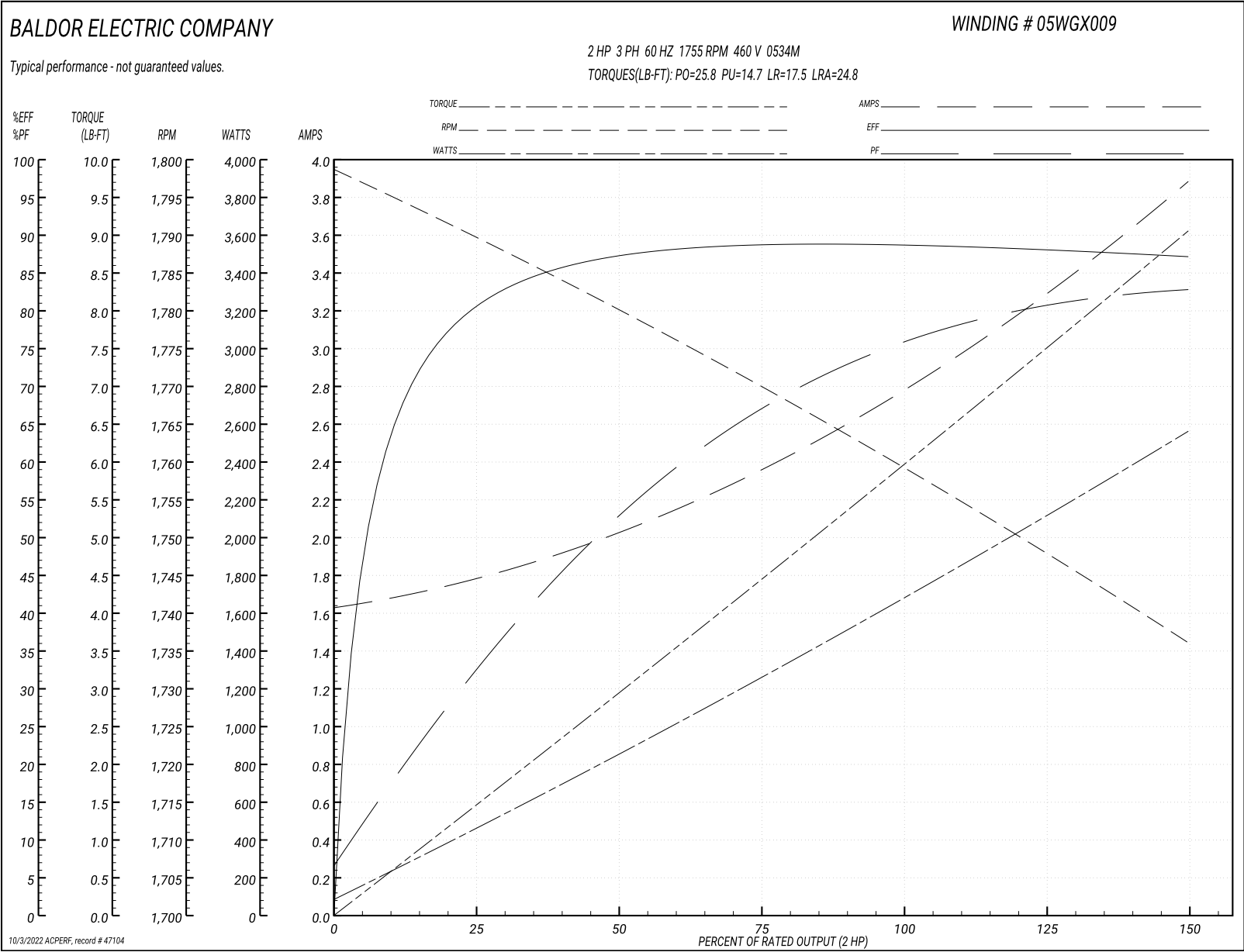
Typical performance - not guaranteed values

Winding: 05WGX009-R039			Type: 0534M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.99 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		25.8 LB-FT		
R.P.M.		1755	Pull-up Torque		14.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		17.5 LB-FT	
NEMA Design Code		B	KVA Code		L	Starting Current	24.8 A
Service Factor (S.F.)		1.15	No-load Current		1.66 A		
NEMA Nom. Eff.		88.5	Power Factor		75	Line-line Res. @ 25°C	6.28 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	39°C	
S.F. Amps			Temp. Rise @ S.F. Load		46°C		
			Locked-rotor Power Factor		46.5		
			Rotor inertia		0.201 LB-FT ²		

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	67	75	80	83	78
Efficiency	80.6	87.2	88.9	88.7	88.2	87.2	88.2
Speed	1789	1780	1770	1759	1748	1736	1748
Line amperes	1.75	2.01	2.37	2.82	3.31	3.86	3.14

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



AC Induction Motor Performance Data

Record # 47862

Typical performance - not guaranteed values

Winding: 05WGX009-R039			Type: 0534M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.99 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		25.8 LB-FT		
R.P.M.		1755	Pull-up Torque		14.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		17.5 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		49.6 A
Service Factor (S.F.)		1.15		No-load Current		3.32 A	
NEMA Nom. Eff.		88.5	Power Factor	75	Line-line Res. @ 25°C		1.57 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		39°C	
S.F. Amps				Temp. Rise @ S.F. Load		46°C	
				Locked-rotor Power Factor		46.5	
				Rotor inertia		0.201 LB-FT2	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	67	75	80	83	78
Efficiency	80.6	87.2	88.9	88.7	88.2	87.2	88.1
Speed	1789	1780	1770	1759	1748	1736	1748
Line amperes	3.5	4.02	4.74	5.63	6.63	7.72	6.27

Performance Graph at 230V, 60Hz, 2.0HP Typical performance - Not guaranteed values

