



Product Information Packet

ECP2333T

15HP,1765RPM,3PH,60HZ,254T,0944M,TEFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT597	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	09J371	Layout:	09LYJ371	Poles:	04	Created Date:	02-02-2021
Base:	RG	Eff. Date:	06-20-2022	Leads:	9#12		

Specs			
Catalog Number:	ECP2333T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254T	Inverter Code:	Inverter Duty
Frame Material:	Iron	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 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:	0944M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	84
	CSA EEV	Product Family:	Super-E Chemical Processing
	CCSA US	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)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	1.2	Shaft Rotation:	Reversible
Current @ Voltage:	36.200 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	38.000 A @ 208.0 V	Speed Code:	Single Speed
	18.100 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	A	Starting Method:	Direct on line
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None
Duty Rating:	CONT	Thermal Device - Winding:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	None
Front Face Code:	Standard	Winding Thermal 2:	None
Front Shaft Indicator:	None	XP Temp Code:	T3C

Nameplate NP3995ABAL

CAT # ECP2333T

SER

CC 010A

SPEC 09J371T597

RATING 40C AMB-CONT

HZ

VOLTS

AMPS

RPM

HP

CODE

SF

DES

PF

NEMA NOM. EFF

60

230/460

36.2/18.1

1765

15

H

1.15

A

84

%

92.4

%

PH 3

CL F

MAX RPM 2700

MAX CORR KVAR 3.8

USABLE AT 208V

38

IP55

FR 254T

ENCL TEFC

DE BRG 6309

ODE BRG 6309

GREASE POLYREX EM

MTR WT 319

LBS

USABLE AT 50HZ 10HP 190/380V 30.4/15.2A

SF1.0

CL I DIV 2 GRPS A,B,C,D

CL I ZONE 2 GRPS

IIA,IIB,IIC

TEMP T 160

C

1.0 SF ON PWM INVERTER

POWER

INV TEMP CL 180

C

CHP 60-90

HZ 1.5:1

CT 1.2-60

HZ 50:1

VT 0-60

HZ

1000:1

SPACE HEATER LEADS H1-H2:

TIE LIKE NUMBERS

TOGETHER

V

A

W

MAX SPACE HEATER TEMP

AC Induction Motor Performance Data

Record # 86511

Preliminary Data Sheet

Winding: 09WGT597-R006				Type: 0944M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		15		Full Load Torque		44.5 LB-FT		
Volts		230/460		Start Configuration		direct on line		
Full Load Amps		36.2/18.1		Breakdown Torque		154 LB-FT		
R.P.M.		1765		Pull-up Torque		67.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		83.5 LB-FT		
NEMA Design Code		A		KVA Code	H	Starting Current		129 A
Service Factor (S.F.)		1.15		No-load Current		7.32 A		
NEMA Nom. Eff.		92.4	Power Factor	84	Line-line Res. @ 25°C		0.61 Ω	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		52°C		
S.F. Amps		41.0/20.5		Temp. Rise @ S.F. Load		67°C		
				Locked-rotor Power Factor		38.1		
				Rotor inertia		1.92 lb-ft²		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	69	79	84	86	87	86
Efficiency	88	92.1	92.7	92.5	91.7	90.7	91.9
Speed	1792	1785	1777	1768	1759	1749	1761
Line amperes	8.45	11	14.3	18.1	22.2	26.7	20.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





