



Product Information Packet

ECP3771T

10HP,3500RPM,3PH,60HZ,215T,0742M,TEFC,F1

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGY012	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	07K374	Layout:	07LYK374	Poles:	02	Created Date:	11-29-2011
Base:	RG	Eff. Date:	01-05-2022	Leads:	9#14		

Specs			
Catalog Number:	ECP3771T	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	215T	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Duty
Motor Letter Type:	Three Phase	KVA Code:	H
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	CLI GP A,B,C,D	Motor Lead Termination:	Flying Leads
XP Division:	Division II	Motor Type:	0742M
Agency Approvals:	CCSA US	Mounting Arrangement:	F1
	CSA	Power Factor:	90
	CSA EEV	Product Family:	Chemical Processing (Not DC)
	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)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	6	Shaft Rotation:	Reversible
Current @ Voltage:	24.500 A @ 208.0 V	Shaft Slinger Indicator:	Shaft Slinger
	22.000 A @ 230.0 V	Speed Code:	Single Speed
	11.000 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	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
Enclosure Modification:	Severe Duty Features	Winding Thermal 1:	None
Feedback Device:	NO FEEDBACK	Winding Thermal 2:	None
Front Face Code:	Standard	XP Temp Code:	T3C

Nameplate NP3257E

CAT.NO.	ECP3771T		
SPEC.	07K374Y012G1		
HP	10	TE	
VOLTS	230/460		
AMP	22/11		
RPM	3500		
FRAME	215T	HZ	60
SER.F.	1.15	CODE	H
		DES	B
RATING	40C AMB-CONT		
SN			
DE	6307	ODE	6307
NEMA-NOM-EFF	92.4	PF	90
G.MIN.EFF	91.0	CC	010A
T. CODE	T3C	T=	160

PH	3
CL	F

Nameplate NP3260E

SPEC.	07K374Y012G1		
D.E. BRG.	35BC03XP30X		
O.D.E. BRG.	35BC03XP30X		
GREASE	POLYREX EM		
RPM MAX	5400	MAX. KVAR	N/A
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	6	CT HZ TO	60
VT HZ FROM	3	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS			
		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 47063

Typical performance - not guaranteed values

Winding: 07WGY012-R046			Type: 0742M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		14.9 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		22/11	Breakdown Torque		70.8 LB-FT		
R.P.M.		3500	Pull-up Torque		24.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		32.6 LB-FT	
NEMA Design Code		B	KVA Code	H	Starting Current		88.5 A
Service Factor (S.F.)		1.15	No-load Current		3.61 A		
NEMA Nom. Eff.		92.4	Power Factor	90	Line-line Res. @ 25°C		0.776 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		40°C
S.F. Amps			Temp. Rise @ S.F. Load		51°C		
			Rotor inertia		0.383 LB-FT2		

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	79	88	90	92	91	91
Efficiency	90.1	93	93.2	92.5	91.4	90	91.8
Speed	3578.4	3554.5	3528.7	3503.4	3473.7	3440.8	3486
Line amperes	4.43	6.32	8.64	11.1	13.9	17.1	12.8

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





