



Product Information Packet

ECP3774T

10HP,1760RPM,3PH,60HZ,215T,0748M,TEFC,F1

Part Detail							
Revision:	AA	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGX776	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	07K374	Layout:	07LYK374	Poles:	04	Created Date:	08-18-2006
Base:	RG	Eff. Date:	01-05-2022	Leads:	9#14	Y	

Specs			
Catalog Number:	ECP3774T	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	215T	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Motor Letter Type:	Three Phase	KVA Code:	H
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 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:	0748M
Agency Approvals:	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	82
	CSA	Product Family:	Chemical Processing (Not DC)
	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:	1.3	Shaft Rotation:	Reversible
Current @ Voltage:	12.500 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
	25.000 A @ 230.0 V	Speed Code:	Single Speed
Design Code:	A	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
Enclosure Modification:	Severe Duty Features	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	None
Front Face Code:	Standard	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP3257E

CAT.NO.	ECP3774T		
SPEC.	07K374X776G1		
HP	10	TE	
VOLTS	230/460		
AMP	25/12.5		
RPM	1760		
FRAME	215T	HZ	60
SER.F.	1.15	CODE	H
		DES	A
RATING	40C AMB-CONT		
SN			
DE	6307	ODE	6307
NEMA-NOM-EFF	92.4	PF	82
G.MIN.EFF	91.0	CC	010A
T. CODE	T3C	T=	160

PH	3
CL	F

Nameplate NP3260E

SPEC.	07K374X776G1		
D.E. BRG.	35BC03XP30X		
O.D.E. BRG.	35BC03XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	1.7
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.3	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 # 25097

Typical performance - not guaranteed values

Winding: 07WGX776-R016			Type: 0748M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		29.8 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		25/12.5	Breakdown Torque		87 LB-FT		
R.P.M.		1760	Pull-up Torque		51.9 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		57.5 LB-FT	
NEMA Design Code		A	KVA Code	H	Starting Current		88.5 A
Service Factor (S.F.)		1.15		No-load Current		5.12 A	
NEMA Nom. Eff.		92.4	Power Factor	82	Line-line Res. @ 25°C		0.973 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		60°C	
S.F. Amps				Temp. Rise @ S.F. Load		76°C	
				Locked-rotor Power Factor		35	
				Rotor inertia		1.18 LB-FT2	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	67	78	82	84	85	83
Efficiency	90	92.9	93.1	92.5	91.4	90.1	91.8
Speed	1790	1781	1771	1762	1750	1739	1755
Line amperes	5.84	7.52	9.75	12.3	15.2	18.3	14

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





