



Product Information Packet

EM3211T

3HP,1760RPM,3PH,60HZ,182T,3630M,OPSB,F1

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS658	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36G548	Layout:	36LYG548	Poles:	04	Created Date:	01-14-2011
Base:	RG	Eff. Date:	04-04-2019	Leads:	9#16		

Specs			
Catalog Number:	EM3211T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	182T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 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:	3630M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	74
	CSA EEV	Product Family:	General Purpose
	CSA	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
Current @ Voltage:	4.200 A @ 460.0 V	Shaft Rotation:	Reversible
	8.400 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	8.500 A @ 208.0 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 NP3553LUA

CAT.NO.	EM3211T											
SPEC.	36G548S658G1											
HP	3											
VOLTS	230/460											
AMPS	8.4/4.2											
RPM	1765											
FRAME	182T				HZ				60		PH	3
SF	1.15			CODE	K	DES		B	CLASS		F	
NEMA NOM. EFF	89.5			PF	74							
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V							8.5	
DE	6206				ODE		6205					
ENCL	OPSB		SN									
VPWM INVERTER READY												
CT30-60(2:1) VT3-60(20:1)												
USABLE AT	50HZ 3HP 190/380V 8.6/4.3A										SF1.0	

AC Induction Motor Performance Data

Record # 33604

Typical performance - not guaranteed values

Winding: 36WGS658-R001			Type: 3630M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3	Full Load Torque		8.87 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		8.4/4.2	Breakdown Torque		37.4 LB-FT		
R.P.M.		1765	Pull-up Torque		17.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		21.2 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		32.3 A
Service Factor (S.F.)		1.15	No-load Current		2.43 A		
NEMA Nom. Eff.		89.5	Power Factor	74	Line-line Res. @ 25°C		3.8716 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		24°C
S.F. Amps					Temp. Rise @ S.F. Load		28°C
					Locked-rotor Power Factor		43
					Rotor inertia		0.279 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	66	73	79	81	77
Efficiency	80.2	87.5	89.5	89.7	89.5	88.7	89.6
Speed	1791.1	1783	1774.5	1765.5	1755.7	1744.8	1760
Line amperes	2.6	2.99	3.54	4.25	4.97	5.83	4.68

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values





