



Product Information Packet

EM4108T

30HP,3525RPM,3PH,60HZ,286TS,0950M,TEFC,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT598	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	09F629	Layout:	09LYF629	Poles:	02	Created Date:	01-05-2021
Base:	RG	Eff. Date:	02-25-2022	Leads:	9#10		

Specs			
Catalog Number:	EM4108T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	286TS	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	30.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 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:	0950M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	89
	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:	34.000 A @ 460.0 V	Shaft Rotation:	Reversible
	68.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	74.000 A @ 208.0 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
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 NP3443LUA										
CAT.NO.	EM4108T			CUST. P/N				ENCL	TEFC	
SPEC.	09F629T598G1		CC	010A		FRAME	286TS		SER.NO.	
HP	30		CLASS	F		HZ	60			
R.P.M.	3525		PH.	3		DES.	A			
VOLTS	230/460			CODE	J		ODE BRG	6208	DE BRG	6311
AMPS	68/34			USABLE AT 208V	74					
RATING	40C AMB-CONT			NEMA NOM. EFF.	91.7		GREASE	POLYREX EM		
P.F.	89		SER.F.	1.15		CT6-60H(10:1)VT3-60H(20:1)				
USABLE AT	50HZ 30HP 190/380V 83/41.5A				SF 1.0					
VOLTS		AMPS		MAX. SPACE HEATER TEMP.						

AC Induction Motor Performance Data

Record # 86057

Typical performance - not guaranteed values

Winding: 09WGT598-R001			Type: 0950M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		30	Full Load Torque		44.7 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		68/34	Breakdown Torque		151 LB-FT		
R.P.M.		3525	Pull-up Torque		78.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		94.5 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		278 A
Service Factor (S.F.)		1.15		No-load Current		10.6 A	
NEMA Nom. Eff.		91.7	Power Factor	89	Line-line Res. @ 25°C		0.267 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		80°C	
S.F. Amps				Temp. Rise @ S.F. Load		98°C	
				Locked-rotor Power Factor		28.4	
				Rotor inertia		1.28 lb-ft²	

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	79	87	89	91	91	90
Efficiency	88	91.9	92.5	92.1	91.3	90.2	91.6
Speed	3583	3565	3546	3526	3505	3481	3513
Line amperes	13.6	19.4	26.5	34.3	42.6	51.5	39.3

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





