



Product Information Packet

EM2276T

7.5HP,1180RPM,3PH,60HZ,254T,0954M,TEFC,F

Part Detail							
Revision:	AG	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	09WGT118	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	09P11	Layout:	09LYP011	Poles:	06	Created Date:	08-21-2014
Base:	RG	Eff. Date:	02-28-2022	Leads:	9#12		

Specs			
Catalog Number:	EM2276T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	254T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 12 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:	0954M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	70
	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:	11.000 A @ 460.0 V	Shaft Rotation:	Reversible
	22.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	23.000 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

AC Induction Motor Performance Data

Record # 47544

Typical performance - not guaranteed values

Winding: 09WGT118-R001				Type: 0954M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		7.5		Full Load Torque		33.2 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		22/11		Breakdown Torque		113 LB-FT	
R.P.M.		1180		Pull-up Torque		41.3 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		57.4 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		74.8 A
Service Factor (S.F.)		1.15		No-load Current		6.06 A	
NEMA Nom. Eff.		91	Power Factor	70	Line-line Res. @ 25°C		0.87037 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		36°C	
S.F. Amps				Temp. Rise @ S.F. Load		42°C	
				Locked-rotor Power Factor		25.8	

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	52	63	70	74	75	72
Efficiency	83.2	89.4	90.9	91.1	90.7	89.9	90.9
Speed	1196.5	1192.4	1188.3	1183.7	1178.7	1173.2	1181
Line amperes	6.49	7.59	9.09	11	13.1	15.5	12.3

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





