BALDOR · RELIANCE II

Product Information Packet

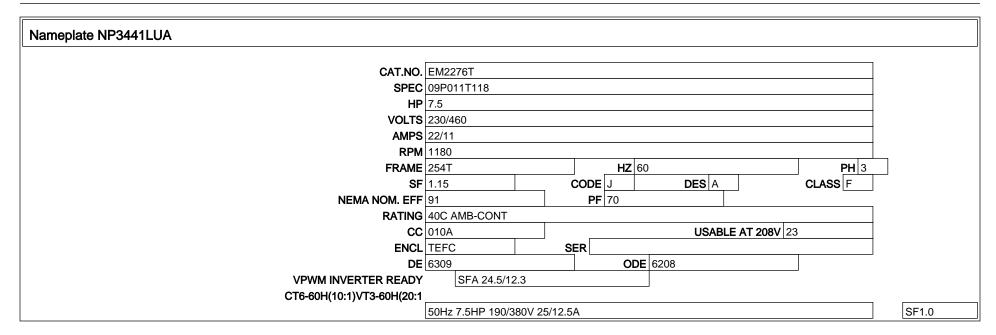
EM2276T

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:	Ко Вох	
	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

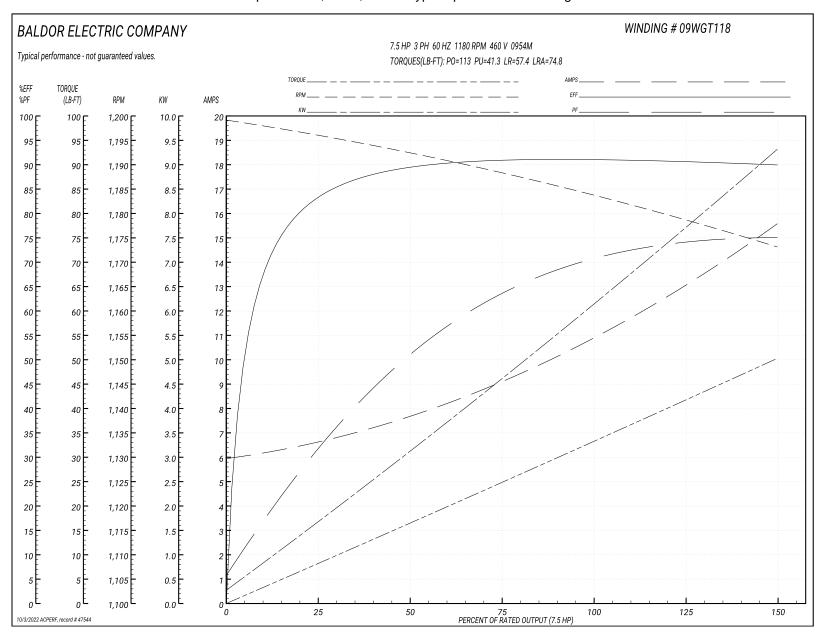
Typical performance - not guaranteed values

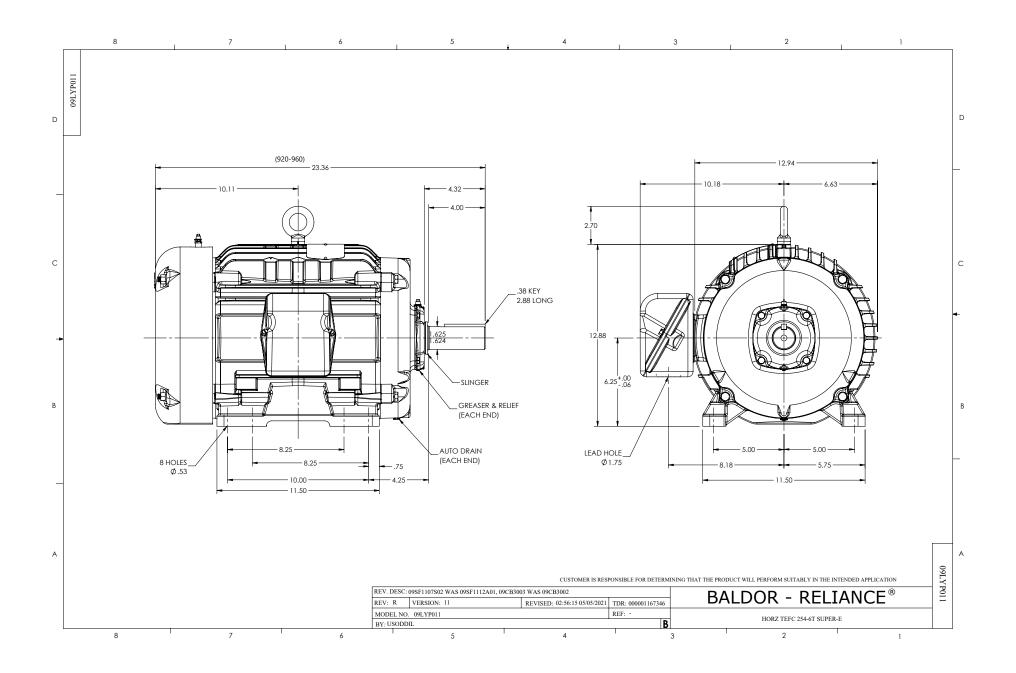
Winding: 09WGT118-R001 Type: 0		0954M Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		7.5	Full Load Torque	33.2 LB-FT
Volts		230/460	Start Configuration	direct on line
Full Load Amps		22/11	Breakdown Torque	113 LB-FT
R.P.M.		1180	Pull-up Torque	41.3 LB-FT
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	40	OC 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





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