



Customer information packet

EFM2394T

15HP, 3520RPM, 3PH, 60HZ, 254T, 0930M, TEFC, F2

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CURUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	35.000 A @ 230.0 V 38.000 A @ 208.0 V 17.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part detail

Revision	AB
Type	AC
Mech. spec.	09C106
Base	
Status	PRD/A
Elec. spec.	09WGZ602
Layout	09LYC106
Eff. date	04-16-2024
CD Diagram	CD0180
Poles	02
Leads	9#12
Proprietary	False
Created date	04-19-2013

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	17.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0930M
Mounting Arrangement	F2
Number of Poles	2
Overall Length	23.36 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3520 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3441L

CAT.NO. EFM2394T

SPEC. 09C106Z602G1

HP 15

VOLTS 230/460

AMP 35/17.5

RPM 3520

FRAME 254T HZ 60 PH 3

SER.F. 1.15 CODE G DES B CL F

NEMA-NOM-EFF 91 PF 87

RATING 40C AMB-CONT

CC 010A

DE 6309 ODE 6208

ENCL TEFC SN

VPWM INVERTER READY

CT6-60H(10:1)VT3-60H(20:1)

AC Induction Motor Performance Data

Record # 31412

Typical performance - not guaranteed values

Winding: 09WGZ602-R001			Type: 0930M		Enclosure: TEFC			
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		15		Full Load Torque		22.1 LB-FT		
Volts		230/460		Start Configuration		direct on line		
Full Load Amps		35/17.5		Breakdown Torque		105 LB-FT		
R.P.M.		3525		Pull-up Torque		26.2 LB-FT		
Hz		60	Phase	3	Locked-rotor Torque		36.3 LB-FT	
NEMA Design Code		B	KVA Code		G	Starting Current		110 A
Service Factor (S.F.)		1.15		No-load Current		5.58 A		
NEMA Nom. Eff.		91	Power Factor		87	Line-line Res. @ 25°C		0.68654 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		63°C
S.F. Amps						Temp. Rise @ S.F. Load		78°C
						Locked-rotor Power Factor		30
						Rotor inertia		0.766 lb-ft²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	87	89	89	88
Efficiency	86.4	91	91.6	91	90	88.6	90.4
Speed	3582.7	3563.6	3542.7	3520.9	3495.8	3468.3	3506
Line amperes	6.93	9.78	13.5	17.5	21.6	26.4	20

ABB Motors and Mechanical Inc.

WINDING # 09WGZ602

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3525 RPM 460 V 0930M

TORQUES (LB-FT): PO=105 PU=26.2 LR=36.3 LRA=110





