

BALDOR® • RELIANCE®

Customer information packet

ECP84111T-4

25HP, 1180RPM, 3PH, 60HZ, 324T, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

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Specifications

Enclosure	TEFC
Frame	324T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
XP Class and Group	CLI GP A,B,C,D
XP Division	Division II
Agency Approvals	CCSA US CSA EEV 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
Constant Torque Speed Range	1
Current @ Voltage	32.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

Part detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY445
Layout	12LYG135
Eff. date	07-19-2023
CD Diagram	CD0006
Poles	06
Leads	3#8
Proprietary	False
Created date	12-12-2018

High Voltage Full Load Amps	32.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP56
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	1264M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.74 IN
Power Factor	79
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1180 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
XP Temp Code	T3

Nameplate

NP4332

STK.NO.	ECP84111T-4	P/N		ENCLOSURE	TEFC
SPEC.	12-0000-0361	CC	010A	FRAME	324T
HP	25	CLASS	F	HZ	60
RPM	1180	RPM MAX	1800	ODE BRG	6312
VOLT	460	PH	3	DE BRG	6312
AMP	32	DES	B	D.E. BRG.	60BC03X30X
RATING	40C AMB-CONT	KVA-CODE	G	O.D.E. BRG.	60BC03X30X
NEMA-NOM-EFF	93	MOTOR WEIGHT	638	GREASE	POLYREX EM
G.MIN.EFF	91.7	MAX. KVAR	9	BLANK	
TEMP CODE	T3	# OF ROTOR BARS	42	SER.F.	1.15
TEMP =	200	# OF STATOR SLOTS	54	IP	56
CT HZ FROM	1	PF	79	INV.TYPE	PWM
HTR-VOLTS		INVERTER-TEMP-CODE	200		
HTR-AMPS		C HP FR	60	C HP TO	90
HTR-WATTS		CT HZ TO	60		
MAX. SPACE HEATER TEMP.				VT HZ FROM	0
				VT HZ TO	60

AC Induction Motor Performance Data

Record # 47214

Typical performance - not guaranteed values

Winding: 12WGY445-R012		Type: 1264M	Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	25	Full Load Torque	111 LB-FT		
Volts	460	Start Configuration	direct on line		
Full Load Amps	32	Breakdown Torque	283 LB-FT		
R.P.M.	1180	Pull-up Torque	131 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	156 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	178 A
Service Factor (S.F.)	1.15	No-load Current	12.4 A		
NEMA Nom. Eff.	93	Power Factor	79	Line-line Res. @ 25°C	0.29206 Ω
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load		48°C
S.F. Amps			Temp. Rise @ S.F. Load		60°C
			Locked-rotor Power Factor		27.6
			Rotor inertia		12.2 LB-FT ²

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	67	76	79	81	81	80
Efficiency	90.3	93.2	93.6	93.2	92.3	91	92.7
Speed	1194.5	1190.4	1185.5	1180.1	1173.8	1165.5	1176
Line amperes	14.4	19	24.7	31.6	39.1	48.1	36.1

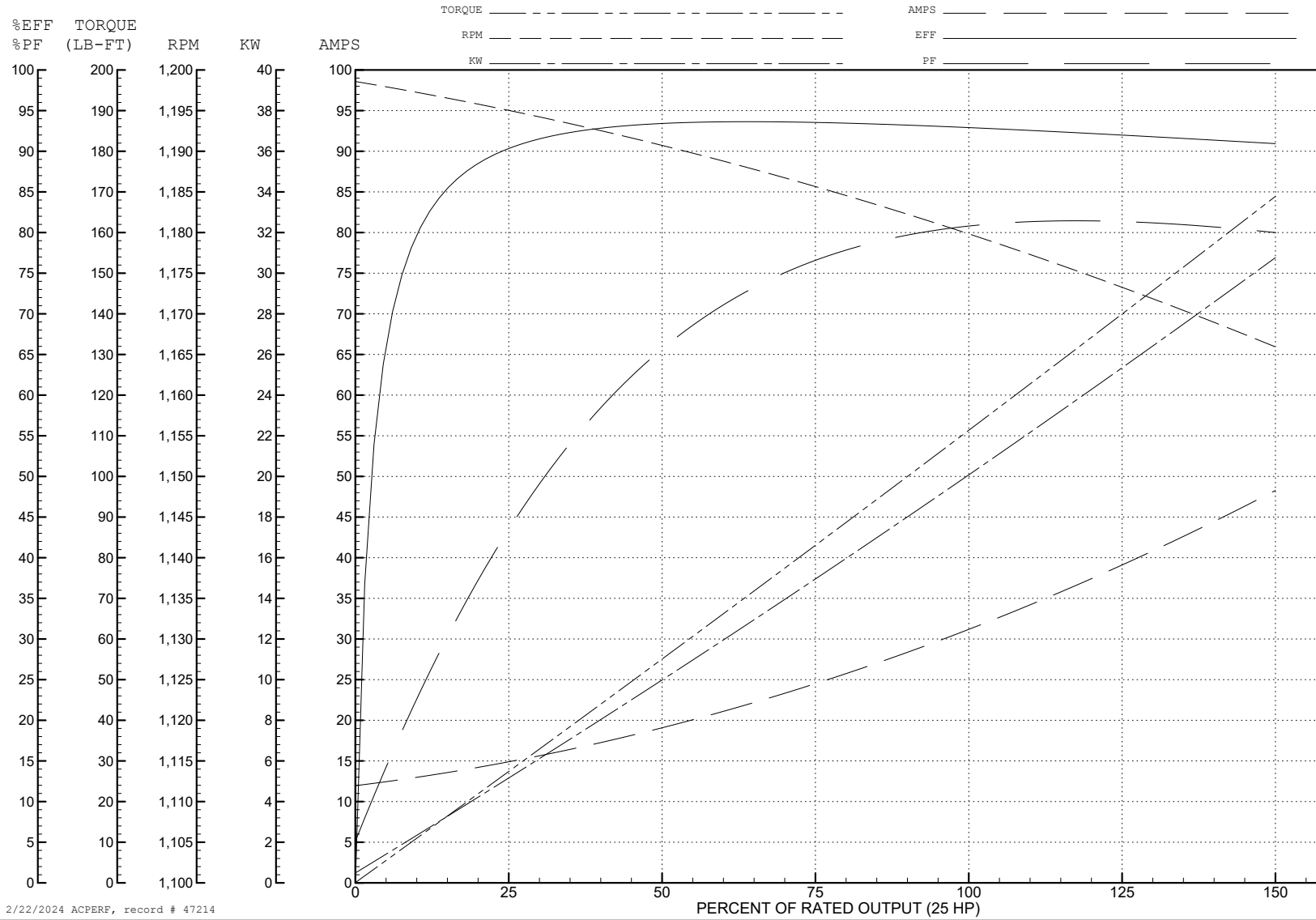
ABB Motors and Mechanical Inc.

WINDING # 12WGY445

25 HP 3 PH 60 HZ 1180 RPM 460 V 1264M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=283 PU=131 LR=156 LRA=178



2/22/2024 ACPERF, record # 47214

CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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