ABB BALDOR RELIANCE

Customer information packet

IDXM7558T

25HP, 1775RPM, 3PH, 60HZ, 324T, 1250M, XPFC, F1
Class - CLI GP D
Division - Division I

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Specifications

Enclosure	XPFC
Frame	324T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	60.000 A @ 230.0 V
	30.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	S
Type	AC
Mech. spec.	12M099
Base	
Status	INA/A
Elec. spec.	12WGX354
Layout	12LYM099
Eff. date	09-29-2025
CD Diagram	CD0180
Poles	04
Leads	9#10
Proprietary	False
Created date	06-14-2011

Haz Area Temp Code	T2B
Heater Indicator	No Heater
High Voltage Full Load Amps	30.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X1250M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	32.00 IN
Power Factor	83
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1775 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0890XPSLEV												
NO.					**CC**	010A						
S/N					**TEMP CODE**	T2B						
SPEC.	12M099X354G1				**INV.TYPE**	PWM						
CAT.NO.					**C HP FR**	60	**C HP TO**	90				
HP	25				**CT HZ FROM**	6			**CT HZ TO**	60		
VOLTS	230/460				**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	60/30			**MAG CUR**	22.4/11.2							
RPM	1775			**MX RPM**	2700							
HZ	60	**PH**	3	**CL**	F	**NOM.EFF.**	93.6					
SER.F.	1.00	**DES**	A	**SL HZ**	0.7	**WK2**	6.66					
FRAME	324T	**RATING**	40C AMB-CONT									

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AC Induction Motor Performance Data

Record # 34463
Typical performance - not guaranteed values

Winding: 12WGX354	**Type:** 1250M	**Enclosure:** XPFC

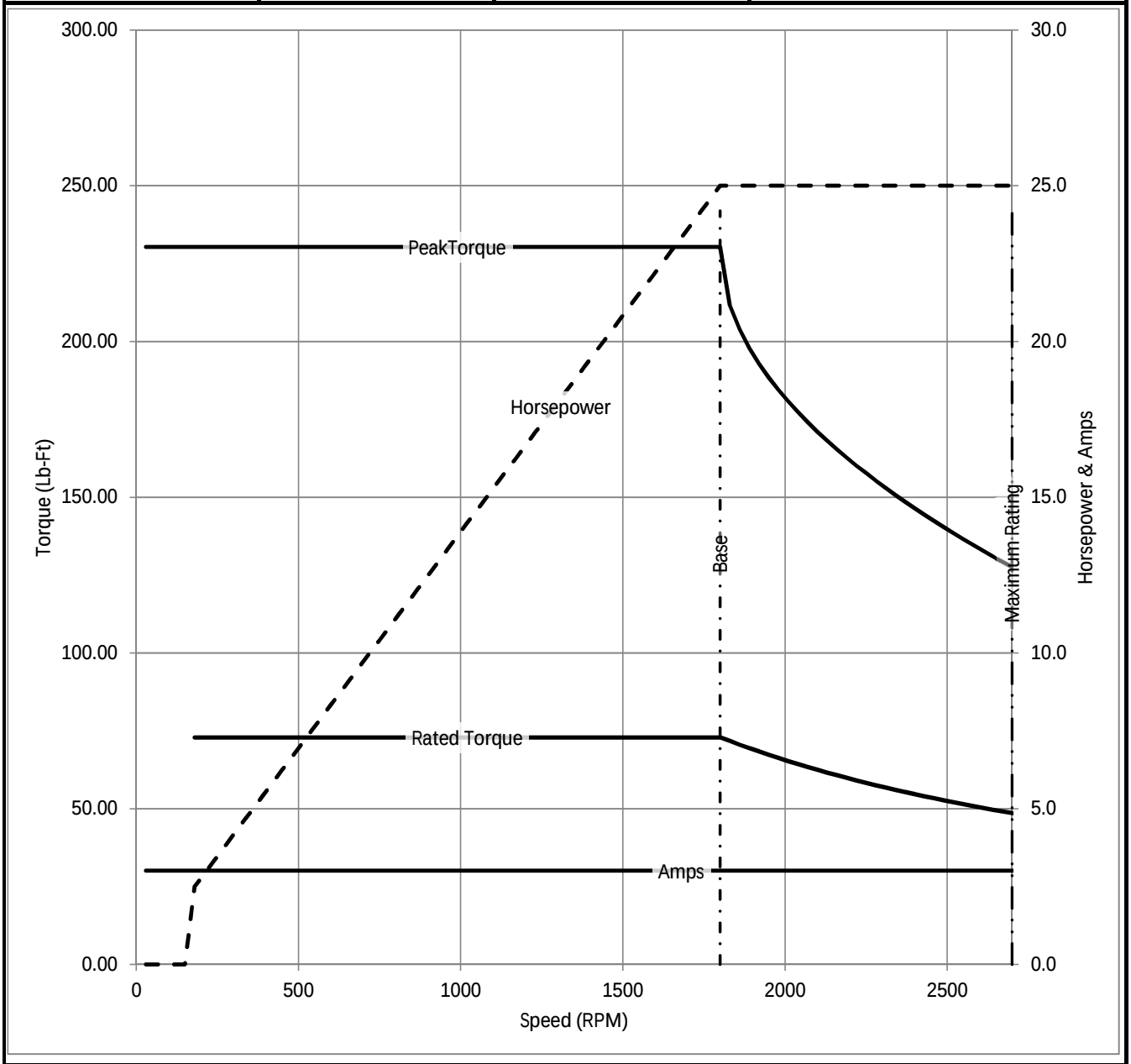
Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	25			Full Load Torque	74 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	60/30			Break Down Torque	256 LB-FT
R.P.M.	1775			Pull-Up Torque	104 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	140 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	218 Amps
Service Factor	1			No-load Current	11.2 Amps
NEMA Nom. Eff.	93.6	P.F.	83	Line-line Res. @ 25°C.	0.216 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	

Load Characteristics at 460 Volts, 60 Hz, 25 HP

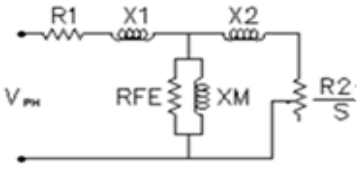
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	72	80	83	85	86	
Efficiency	86.4	91.7	93.2	93.6	93.6	93.3	
Speed	1795	1791	1784	1779	1775	1768	
Line Amperes	13.6	18	23.7	30.1	36.7	43.8	

Baldor Electric Company Fort Smith, Arkansas BALDOR • RELIANCE

Catalog	IDXM7558T	NP VOLTS	230/460	ENCLOSURE	XPFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)	
FRAME	324T	NP AMPS	60/30	Base Volts	460	R1 0.115	X1 0.648
HP	25 HP	DUTY	Cont	Base AMPS	30.1	R2 0.088	X2 0.724
BASE SPEED	1800	MAX SAFE RPM	2700	Slip Hz	0.70		XM 20.255
PHASE/HZ	3/60	AMB^{0}C/INSUL	40/F	WK^2 (lb-ft^2)	6.66		



Remarks: Calculated Data



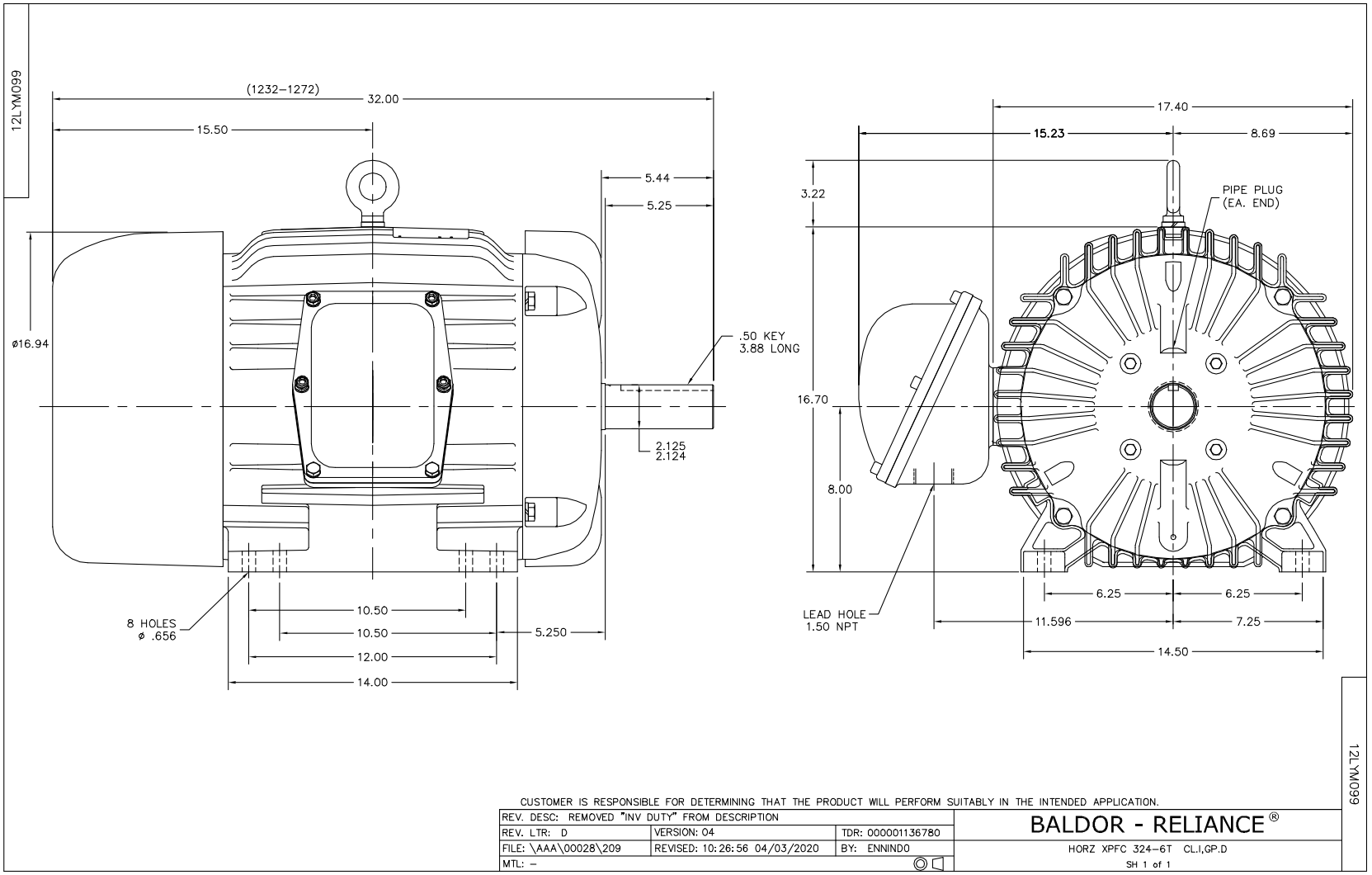
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DR BY ENR
CK BY
APP BY ENR
DATE 3/1/2013

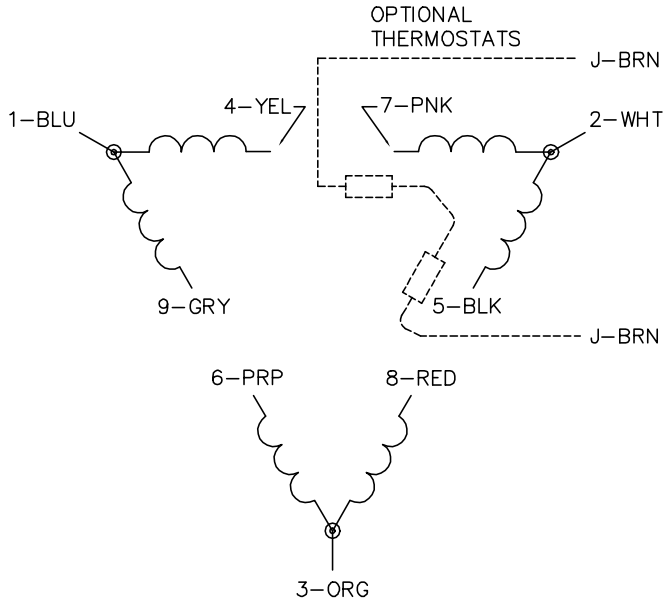
A-C MOTOR
PERFORMANCE CURVES

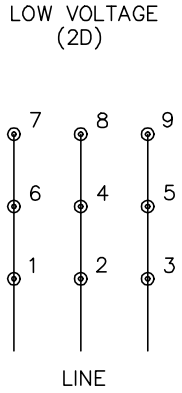
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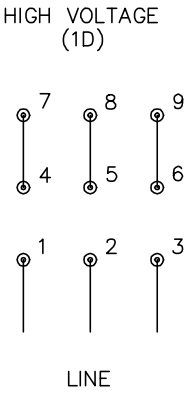
ISSUE DATE 3/1/2013


12LYM099
(1232–1272)
32.00
15.50
5.44
5.25
ø16.94
.50 KEY
3.88 LONG
2.125
2.124
8 HOLES
ø .656
10.50
10.50
12.00
14.00
5.250
17.40
15.23
8.69
3.22
PIPE PLUG
(EA. END)
16.70
8.00
LEAD HOLE
1.50 NPT
6.25
6.25
11.596
7.25
14.50
12LYM099
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: REMOVED "INV DUTY" FROM DESCRIPTION
REV. LTR: D
VERSION: 04
TDR: 000001136780
FILE: \AAA\00028\209
REVISED: 10:26:56 04/03/2020
BY: ENNINDO
MTL: –
BALDOR - RELIANCE®
HORZ XPFC 324–6T CL.I,GP.D
SH 1 of 1

CD0180







NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
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3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1