

ABB BALDOR RELIANCE III

Customer information packet

ZDBRPM362004

200HP, 1750RPM, 3PH, 60HZ, L3614, TEBC, FOOT

Specifications

Enclosure	TEAO
Frame	L3614
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	229.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	TACHOMETER
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	229.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	59.56 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	L3375A
Layout	609994-002
Eff. date	10-04-2019
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-10-2015

Nameplate

000613006NS									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	200	1785		229	460		60	
	CONT	200	3565		226	460		120	
CAT.NO.	ZDBRPM362004		SPEC. NO.		P36L0239				
SER.NO			FR	L 3614		INSUL	H		
PH.	3	MAX SAFE SPEED		3750		AMB.	40	MIN. AMB.	-25
DESIGN NO.	L3375A		TYPE		ENCL.		TEAO-BC		
S.F.	1.0		D.E. BRG.		65BC03J30X				
ENCL MOD			O.D.E. BRG.		65BC03J30X				

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN	EQ	CKT	OHMS	PER PHASE
FRAME	L3614	AMPS	229	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)				
HP	200	DUTY	CONT	IM (AMPS)	84	R1	.00939	X1	.0927	
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.035/.866	R2	.00745	X2	.120	
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45			XM	3.15	

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1784	200	589	460	60	229
MAX SPEED	3565	200	295	460	120	226
MIN SPEED	0	0	589	6.32	.525	229

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	82.5
1/4	1796	50.0	146	460	60	100
1/2	1792	100	293	460	60	136
3/4	1788	150	440	460	60	180
FULL LOAD	1784	200	589	460	60	229
O/L	1766	396	1177	460	60	445

BLOWER DATA

VOLTS	PH/HZ	FL AMPS	LR AMPS	FRAME	CFM

REMARKS: TYPICAL DATA
CORRELATED DATA



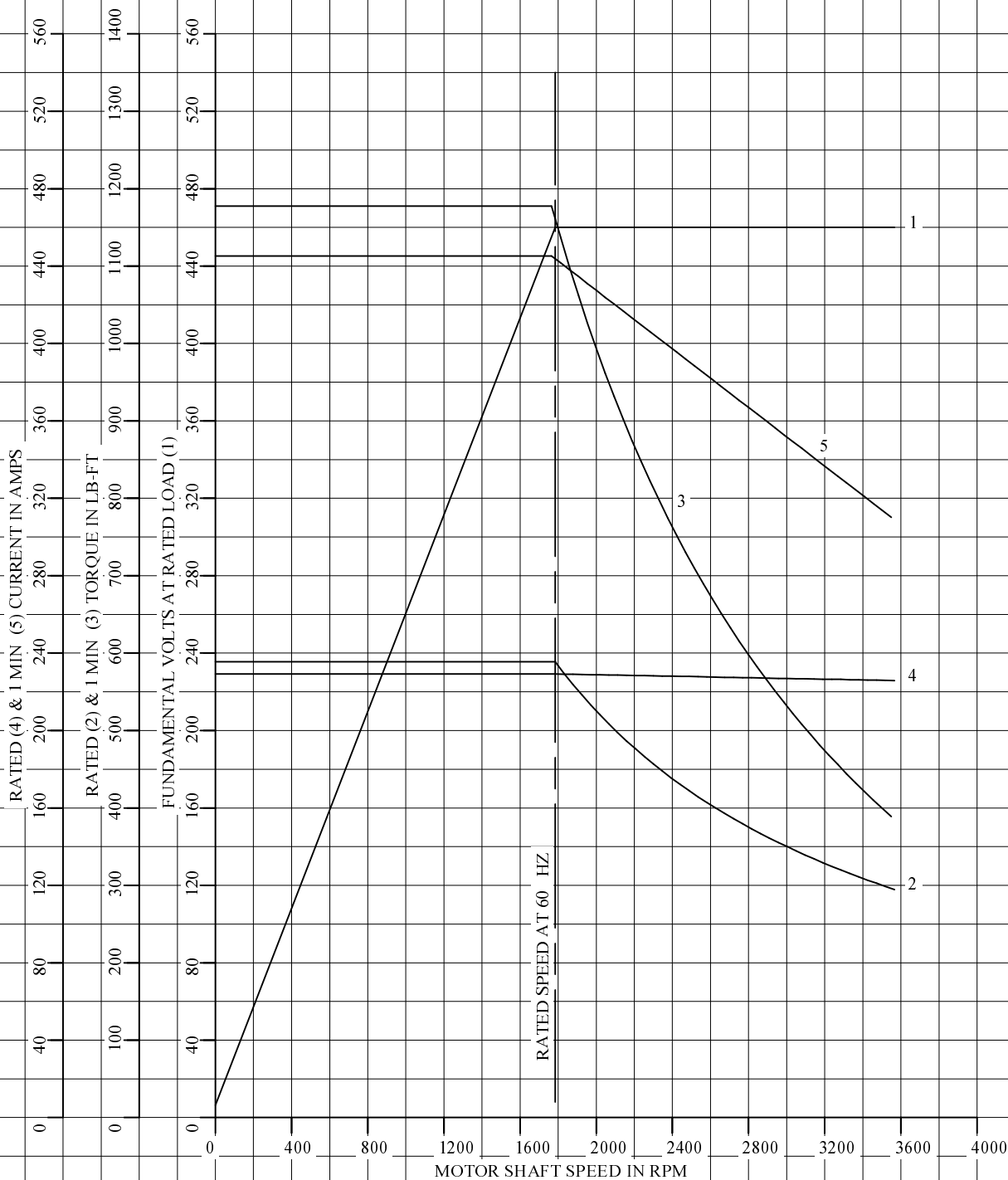
DR. BY	B. GRANT
CK. BY	B. GRANT
APP. BY	T. CUFR
DATE	8-9-06

**A-C MOTOR
PERFORMANCE
DATA** **L3375A**

ISSUE DATE 10-11-07

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	L3614	AMPS	229	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
HP	200	DUTY	CONT	IM (AMPS)	84	R1	.00939 X1 .0927
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.035/.866	R2	.00745 X2 .120
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45	XM 3.15	

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



DR. BY B. GRANT
CK. BY B. GRANT
APP. BY T. CUFR
DATE 8-9-06

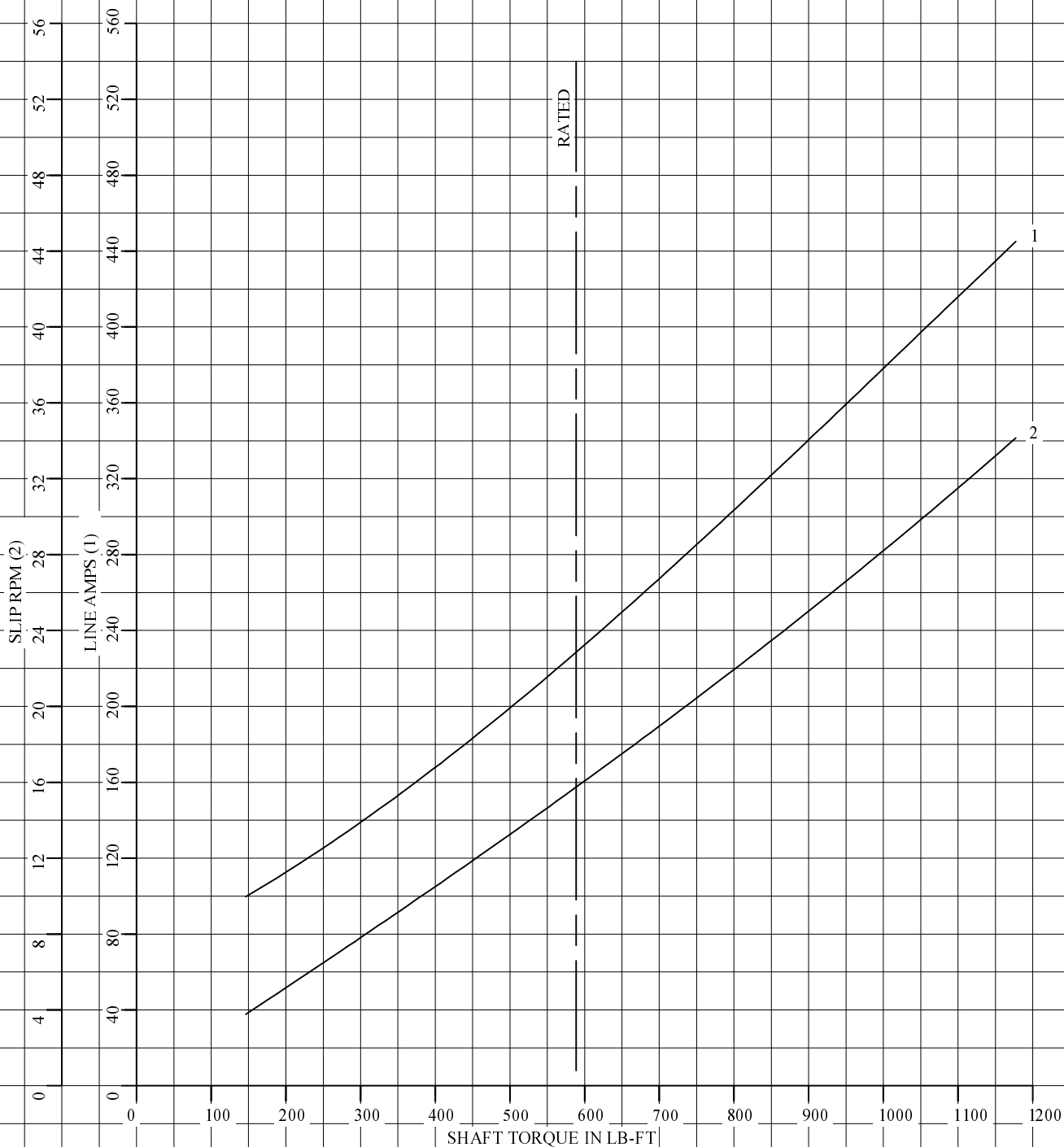
**A-C MOTOR
PERFORMANCE
CURVES**

L3375A
SH 1 OF 2
ISSUE DATE 10-11-07

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	L3614	AMPS	229	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
HP	200	DUTY	CONT	IM (AMPS)	84	R1	.00939 X1 .0927
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.035/.866	R2	.00745 X2 .120
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45	XM 3.15	

CORRELATED DATA

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)

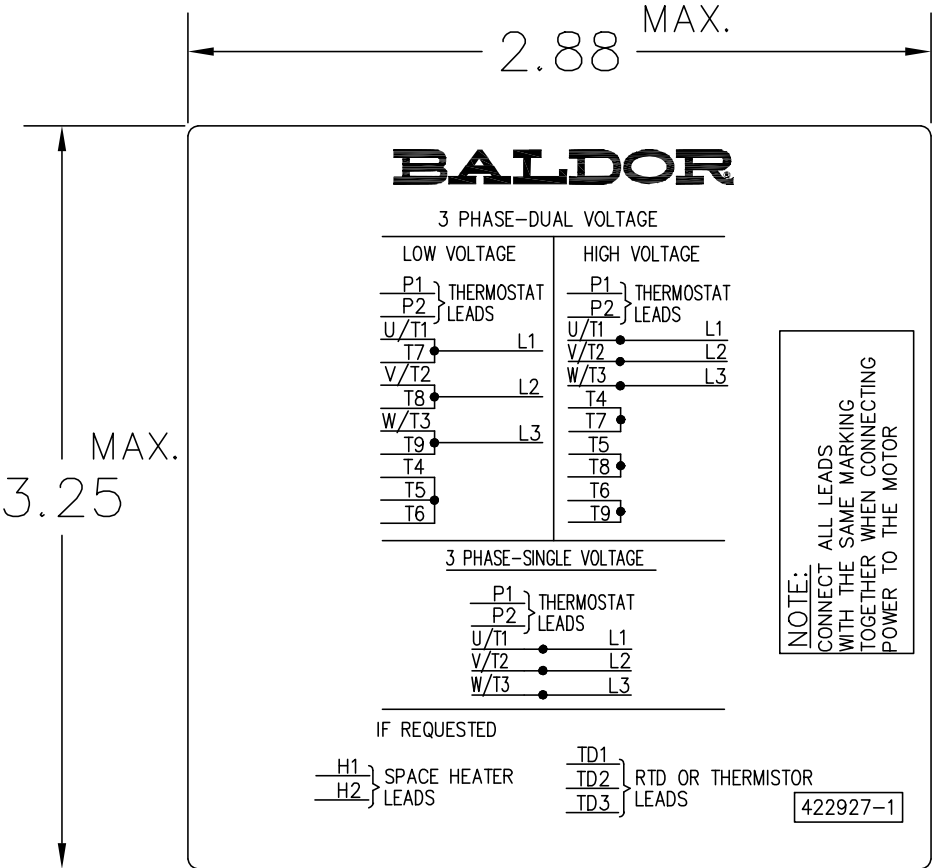

 REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY


DR. BY	B. GRANT
CK. BY	B. GRANT
APP. BY	T. CUFR
DATE	8-9-06

**A-C MOTOR
PERFORMANCE
CURVES**

L3375A
SH 2 OF 2
ISSUE DATE 10-11-07

422927-001



NOTE:
DATA TO BE SIZED
SO THAT IT FITS INTO
MATERIAL DECAL
DIMENSIONS. MAKE
LETTERS & NUMBERS
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4
PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS
AND LINES TO BE BLACK
ON WHITE BACKGROUND.

422927-001

REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE		
REV. LTR: B	VERSION: 02	TDR: 000000788708
FILE: \RGG\00000\203		REVISED: 08:09:29 03/04/2013
MTL: -		BY: RGGWT

BALDOR
EXTERNAL CONNECTION LABEL
SH 1 of 1