

BALDOR® • RELIANCE

Product Information Packet

IDXM7014T

1HP,1765RPM,3PH,60HZ,143TC,3524M,XPFC,F1

Part Detail										
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No			
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP529	CD Diagram:				
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35N256	Layout:				
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	08-01-2007			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-29-2013			
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:				
Nameplate NP0887XP										
NO.		TEMP CODE	T3C							
SPEC.	35N256P529G1	MX RPM	2700							
CAT.NO.	IDXM7014T	INV.TYPE	PWM							
HP	1	C HP FR	60	C HP TO	90					
VOLTS	230/460	CT HZ FROM	6	CT HZ TO	60					
AMPS	3/1.5	VT HZ FROM	6	VT HZ TO	60					
RPM	1765	DES	B	WK2	0.14	PH	3	CL	F	
HZ	60	SER.F.	1.00	NOM.EFF.	87.5	SL HZ	1.2			
MAG CUR	2/1									
RATING	40C AMB-CONT									
FRAME	143TC	CC	010A							
S/N										

Parts List		
Part Number	Description	Quantity
SA161703	SA 35N256P529G1	1.000 EA
RA150247	RA 35N256P529G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC PRIMER	1.000 EA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
MG1025G29	PAINT 789.205 DARK GRAY METALLIC (USE W/	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0887XP	UL/CSA, CLI GP-D,CLII GP-F&G,INV	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA



AC Induction Motor Performance Data

Record # 27101

Typical performance - not guaranteed values

Winding: 35WGP529	Type: 3524M	Enclosure: XPFC
--------------------------	--------------------	------------------------

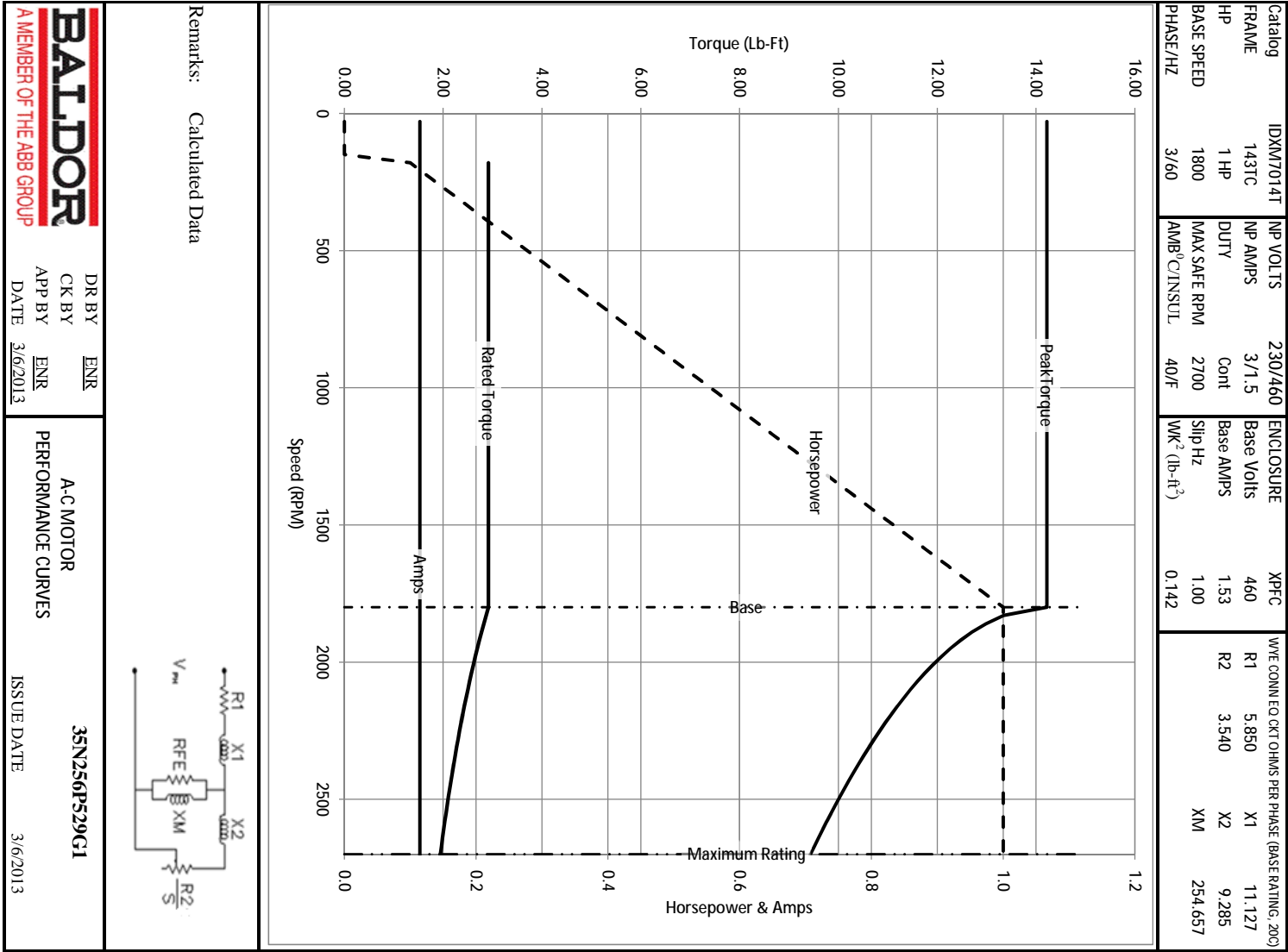
Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection			
Rated Output (HP)	1		Full Load Torque	2.99 LB-FT		
Volts	230/460		Start Configuration	DOL		
Full Load Amps	3/1.5		Break Down Torque	15.8 LB-FT		
R.P.M.	1765		Pull-Up Torque	9.1 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT	
NEMA Design Code	B	KVA Code	N	Starting Current	15 Amps	
Service Factor	1		No-load Current	1.02 Amps		
NEMA Nom. Eff.	87.5	P.F.	70	Line-line Res. @ 25°C.	12 Ohms	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	26°C		
S.F. Amps			Temp. Rise @ S.F. Load			

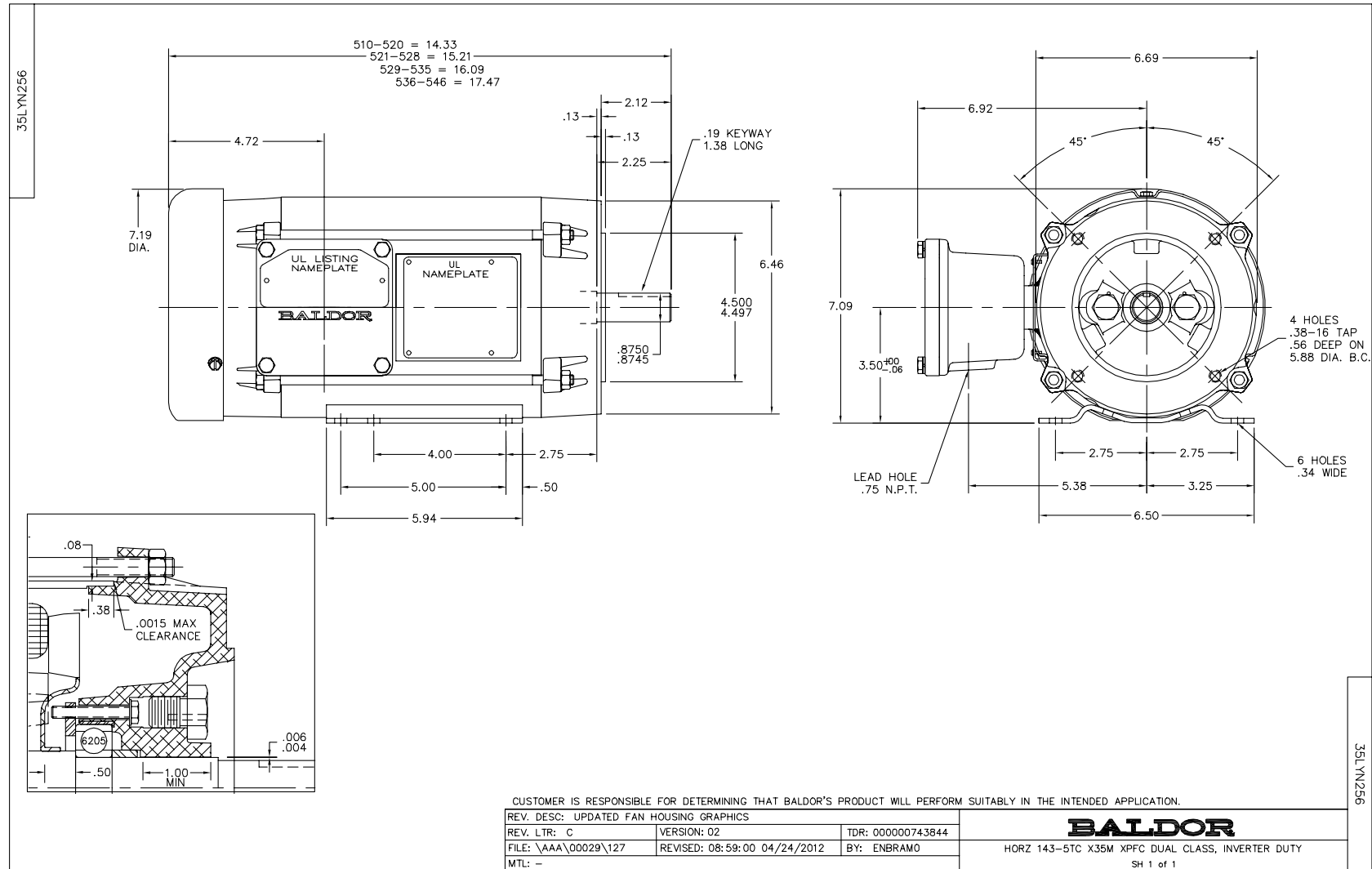
Load Characteristics at 460 Volts, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	48	60	70	77	81	
Efficiency	74.8	84.4	87	87.9	87.7	87.3	
Speed	1793	1785	1778	1770	1761	1753	
Line Amperes	1.07	1.18	1.33	1.53	1.76	2	

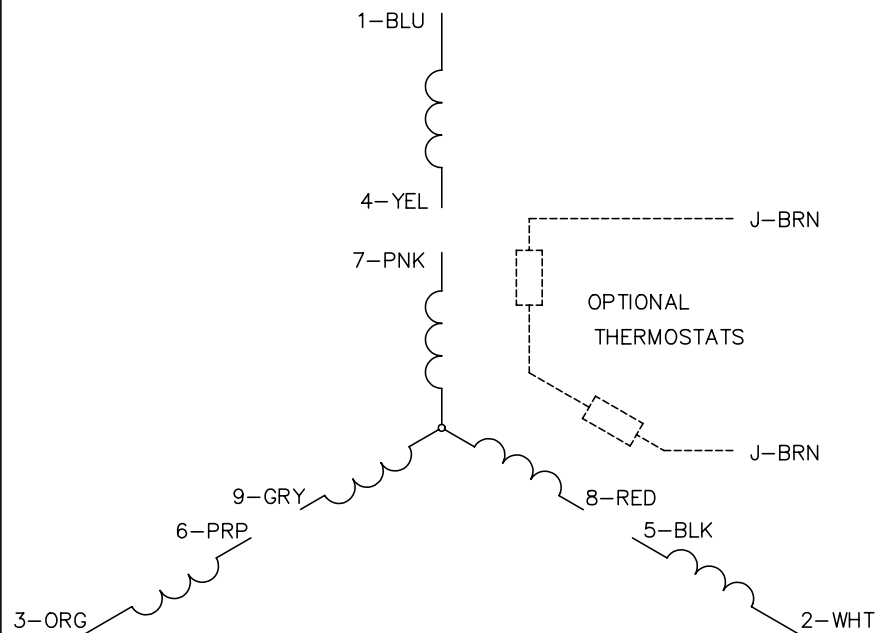
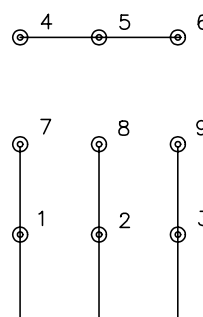
Baldor Electric Company Fort Smith, Arkansas



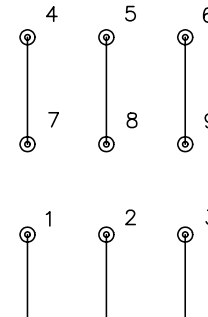




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005