

BALDOR® • RELIANCE

Product Information Packet

IDM2334T

20HP,1765RPM,3PH,60HZ,256TC,0952M,TEBC,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0952M	Elec. Spec:	09WGY583	CD Diagram:	CD0005
Enclosure:	TEBC	Mfg Plant:		Mech. Spec:	09F279	Layout:	09LYF279
Frame:	256TC	Mounting:	F1	Poles:	04	Created Date:	03-01-2013
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	10-08-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1163L									
CAT NO	IDM2334T								
SPEC.	09F279Y583G1								
FRAME	256TC	HP	20 TE						
VOLTS	230/460								
MAG CUR	18.8/9.4	FLA	48/24						
RPM	1765	RPM MAX	5000						
HZ	60	PH	3	CLASS		H			
SER.F.	1.00	DES	B	SL HZ		1.13			
NEMA-NOM-EFF	93	WK2	2.27						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6309	ODE BRG	6208						
CC		SN							

Parts List		
Part Number	Description	Quantity
SA259404	SA 09F279Y583G1	1.000 EA
RA246164	RA 09F279Y583G1	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLOCKWASHER	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
09EP1300A12	ENDPLATE, MACH	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A74	FR. E.P. TEBC/TENV W/THRU SHAFT ENCODER	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA1005A12SP	SLINGER, OD 2.50, ID 1.433, 208 BRG	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3113A01	THRUBOLT 3/8-16X14.875	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
09FH4002	FAN HSG TEBC 309 MTR F1 & F2 AB	1.000 EA
HA6353A01	MTG. BRACKET 309 FRAME FAN HOUSING	4.000 EA
10XN3118K08	5/16-18 X .50 GRADE #5, STL, ZINC PLATE	4.000 EA
33CB3002	CONDUIT BOX, CAST	1.000 EA
34CB4500SP	CONDUIT BOX LID, STAMPED	1.000 EA
34GS1001	GASKET, STD CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
RM1022A02	GROMMET .875 ID 1.00 OD .12 WALL,VENDOR#	1.000 EA
51XN0832A12	8-32 HEX SLOT WSHR HD MACH SC GRADE 2, Z	2.000 EA
HW1001A08	WASHER, #8 SPLT LK, ZN	4.000 EA
XY0832A02	8-32 HEX NUT	2.000 EA
WD4101A09	STIMPSON D3560, .875 DIA. HOLE PLUG	1.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
EF5000SP	VENTURI/GRILLE KIT FOR 307/309 TEBC MOTO	1.000 EA
WD4101A08	STIMPSON #D3557,1.188 DIA. HOLE PLUG	2.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1163L	ALUM INV UL CSA CC	1.000 EA
42PA1010	PACKAGING GROUP, STD 09 BRAKE MTR	1.000 EA

AC Induction Motor Performance Data

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AC Induction Motor Performance Data
 Record # 41784
 Typical performance - not guaranteed values

Winding: 09WGY583	Type: 0952M	Enclosure: TEBC
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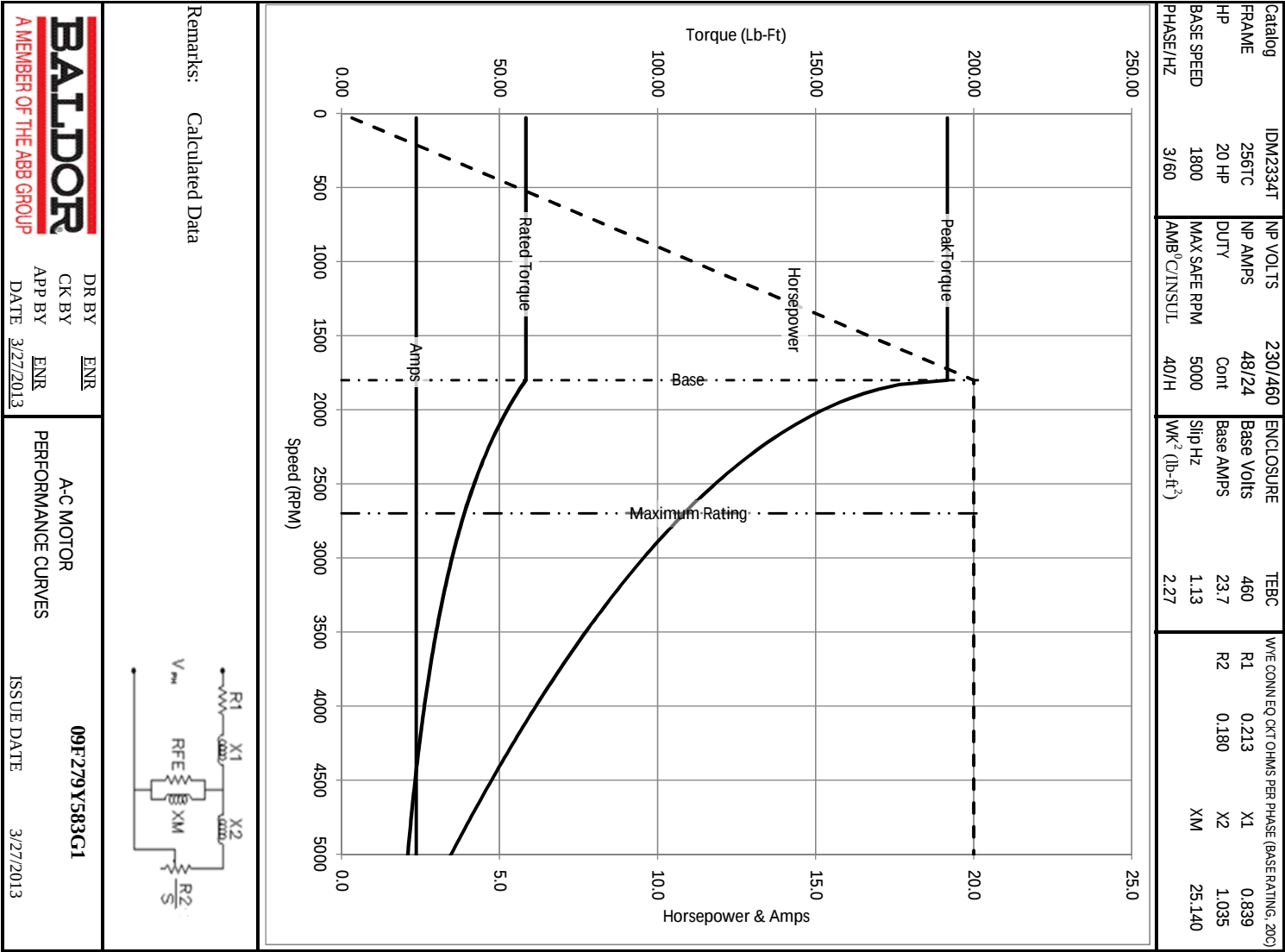
Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	20		Full Load Torque	59 LB-FT	
Volts	230/460		Start Configuration	DOL	
Full Load Amps	48/24		Break Down Torque	213 LB-FT	
R.P.M.	1765		Pull-Up Torque	85.4 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque	121 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	175 Amps
Service Factor	1.00		No-load Current	9.41 Amps	
NEMA Nom. Eff.	93.0	P.F.	84	Line-line Res. @ 25°C.	0.426 Ohms
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	60°C	
S.F. Amps			Temp. Rise @ S.F. Load		

Load Characteristics at 460 Volts, 60 Hz, 20 HP

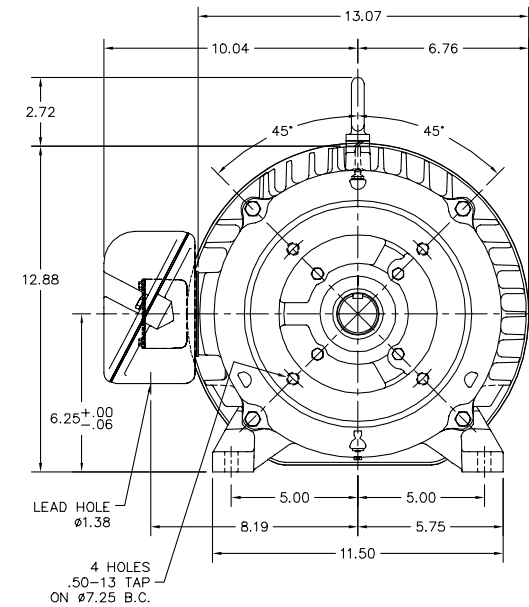
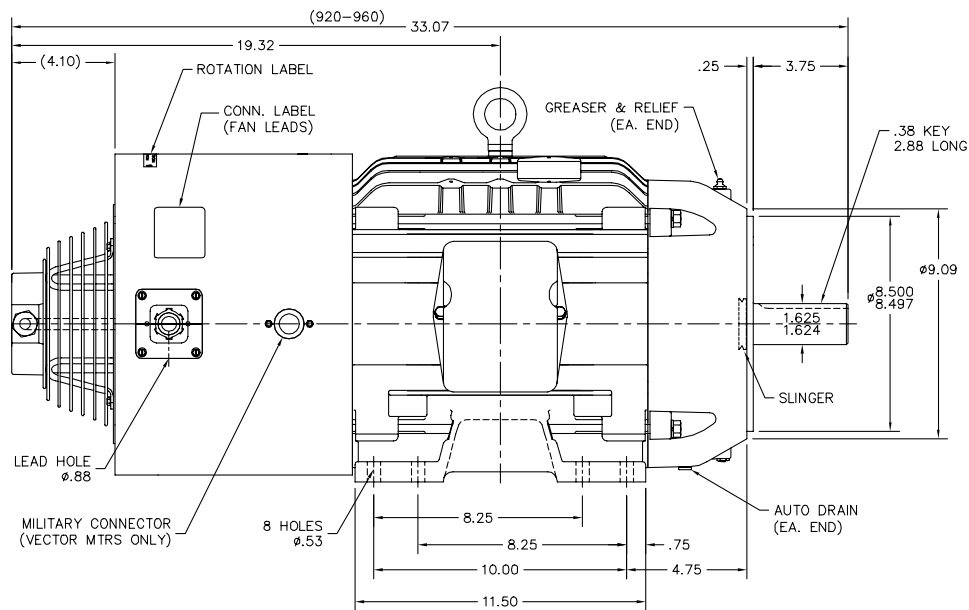
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	69	80	84	86	87	
Efficiency	89	92.8	93.1	93	92.2	91.1	
Speed	1791	1783	1770	1766	1756	1745	
Line Amperes	10.7	14	19.1	23.7	29.1	35.4	

Baldor Electric Company Fort Smith, Arkansas





09LYF279



09LYF279

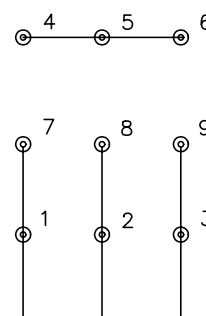
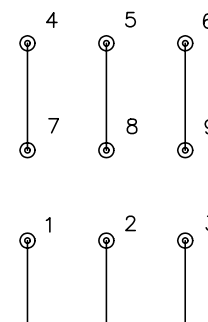
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE DRAIN FITTING		
REV. LTR: E	VERSION: 02	TDR: 000000857729
FILE: \AAA\00070\812	REVISED: 09:18:48 06/11/2014	BY: ENNINDO
MTL: -		

BALDOR

HORZ TEBC 254-6TC INV/VEC W/THRU SH ENCODER DESIGN
SH 1 of 1

CD0005

LOW VOLTAGE
(2Y)HIGH VOLTAGE
(1Y)

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