

BALDOR® • RELIANCE

Product Information Packet

EM7558T-I

25HP,1770RPM,3PH,60HZ,284T,1046M,XPFC,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1046M	Elec. Spec:	10WGX209	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	10H275	Layout:	10LYH275
Frame:	284T	Mounting:	F1	Poles:	04	Created Date:	08-11-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-28-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1044XPSL								
NO.		CC	010A					
SER.		TEMP CODE	T3C					
SPEC.	10H275X209G1							
CAT.NO.	EM7558T-I							
HP	25							
VOLTS	230/460							
AMPS	60/30							
RPM	1770	MOTOR WEIGHT	479					
HERTZ	60	PH	3	CL	F	DE BRG	6311	
SER.F.	1.15	DES	A	CODE	G	ODE BRG	6309	
FRAME	284T	GREASE	POLYREX EM					
RATING	40C AMB-CONT							
USABLE AT 208V	63.3	NEMA-NOM-EFF	93.6	PF	84			
	55C AMB @ 1.0 SF 60C RISE							

Parts List		
Part Number	Description	Quantity
SA201435	SA 10H275X209G1	1.000 EA
RA188734	RA 10H275X209G1	1.000 EA
09FN5001C02SP	EXTERNAL FAN, PLASTIC	1.000 EA
12CB1001A02P	K.O.BOX MACH, X-PROOF; 1.25 NPT HOLE; EP	1.000 EA
10XN3118K16	5/16-18 X 1" GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K06	1/4-20 X 3/8" HX HD SCREW GRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA2009A53	SLINGER FOR GROUP E MTRS - 309 BRG.	1.000 EA
HA4017A06	/125 X 3.00 GREASER EXT. (F/S)	1.000 EA
80XN0632A10	SET SCREW,#6-32 X .62 LG.HEX SOC. HD.	2.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K40	1/4-20 X 2-1/2 HEX HD CAPSCREW, GRADE 5,Z	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10EP1709A13P	PUEP, EX.PRF - GROUP E MTR W/DRAIN & EPO	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA2009A33	SLINGER, FOR GROUP E MOTORS - 311 BRG.	1.000 EA
80XN0632A10	SET SCREW,#6-32 X .62 LG.HEX SOC. HD.	2.000 EA
HW3023E06	.125 X .625 SPIRAL SPRING PIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10FH1008A01P	310 FAN HOUSING X-PROOF MACH. W/EPOXY PR	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
12CB1501A01P	KOLD, MACH., X-PROOF, 310,312 W/EPOXY PR	1.000 EA
10XN3816K20	3/8-16 X 1.25 HEX HD CAP GRADE 5	6.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	6.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
10EP1701A17PP	FREP W/INPRO SEAL, PRIMER & MG1025G05	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW4505A02	BREATHER/DRAIN-EXP PROOF-.250-18 PTF AIS	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	6.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1044XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-E,F&G	1.000 EA
12PA1000	PACKAGING GROUP COMBINED PRINT PK1024A06	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 2546 - Typical performance - not guaranteed values

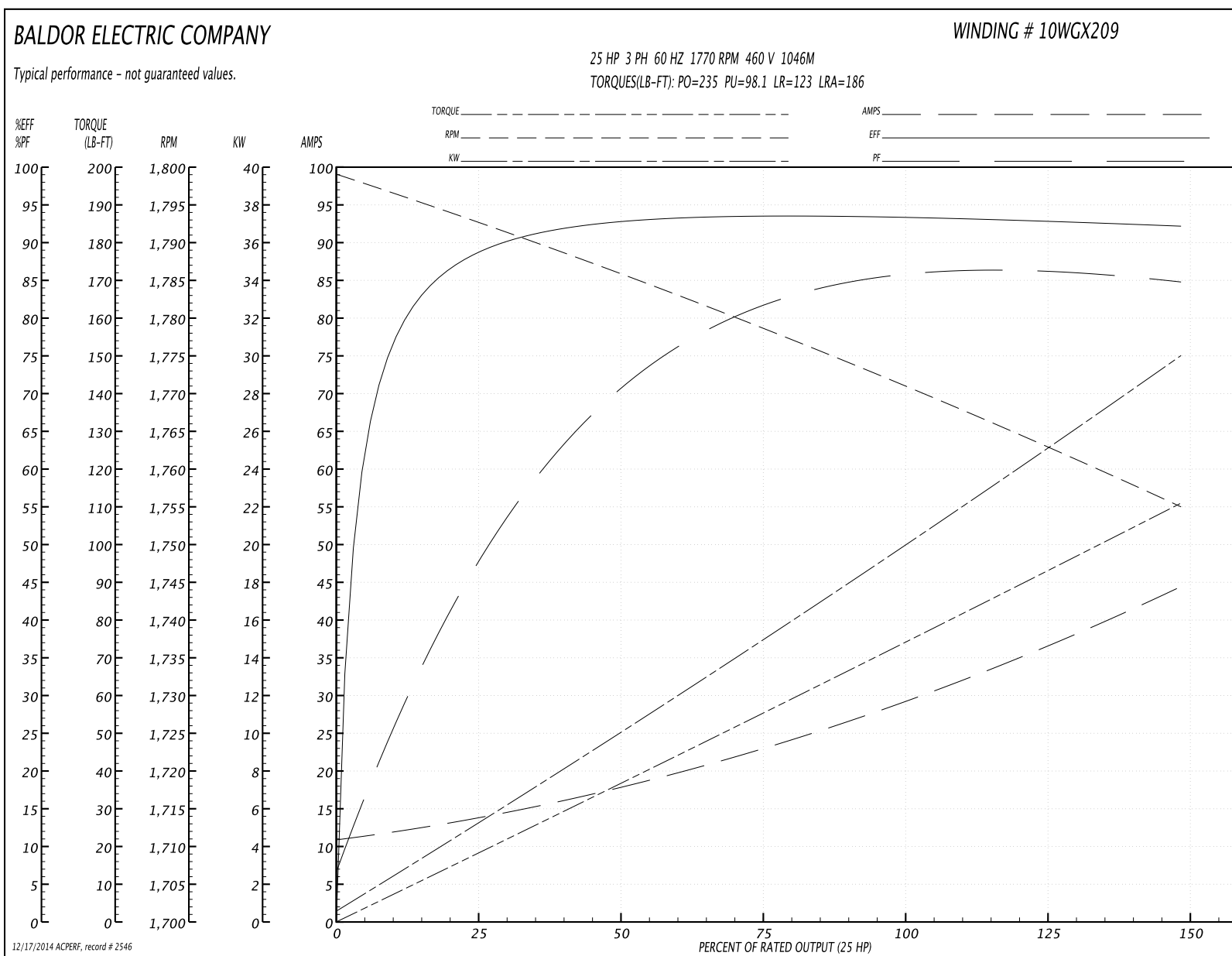
Winding: 10WGX209-R001	Type: 1046M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	74.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	60/30			Breakdown Torque	235 LB-FT
R.P.M.	1770			Pull-up Torque	98.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	123 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	186 A
Service Factor (S.F.)	1.15			No-load Current	11.3 A
NEMA Nom. Eff.	93.6	Power Factor	84	Line-line Res. @ 25°C	0.307 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	63°C
				Rotor inertia	3.66 LF ²

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	81	85	86	85	86
Efficiency	88.7	92.3	93.5	93.6	93.1	92	93.3
Speed	1793	1785	1779	1771	1763	1755	1766
Line amperes	13.3	17.6	23.3	29.6	36.5	44.2	33.7

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 36426 - Typical performance - not guaranteed values

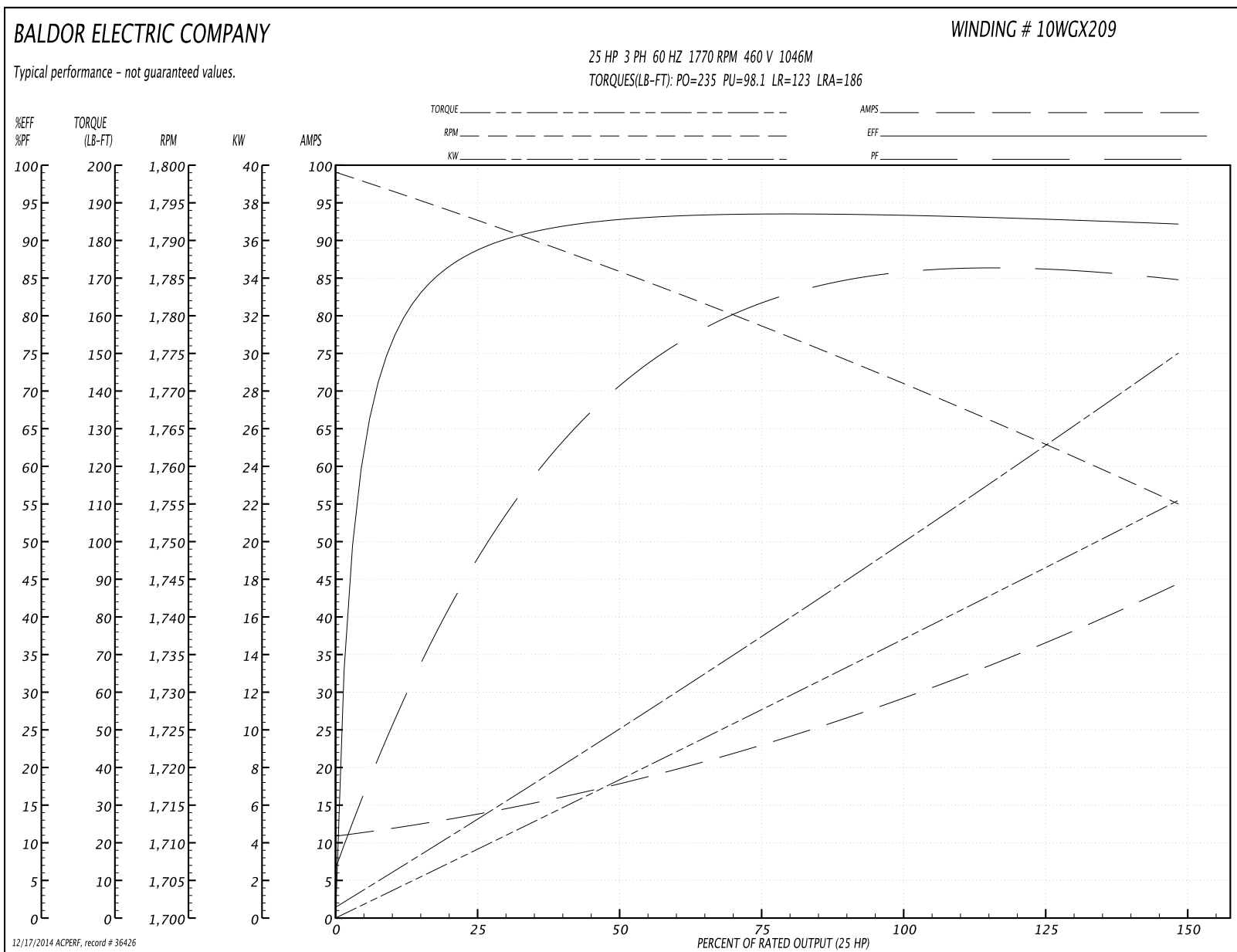
Winding: 10WGX209-R017	Type: 1046M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	74.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	60/30			Breakdown Torque	235 LB-FT
R.P.M.	1770			Pull-up Torque	98.1 LB-FT
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Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	63°C
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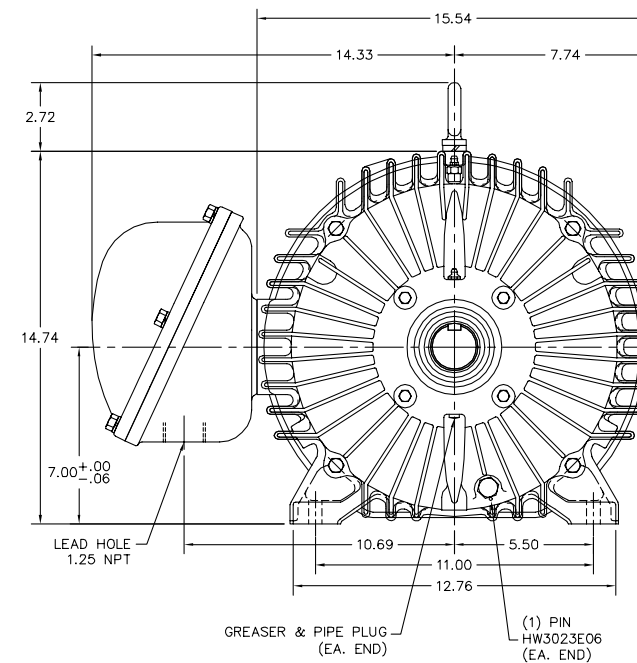
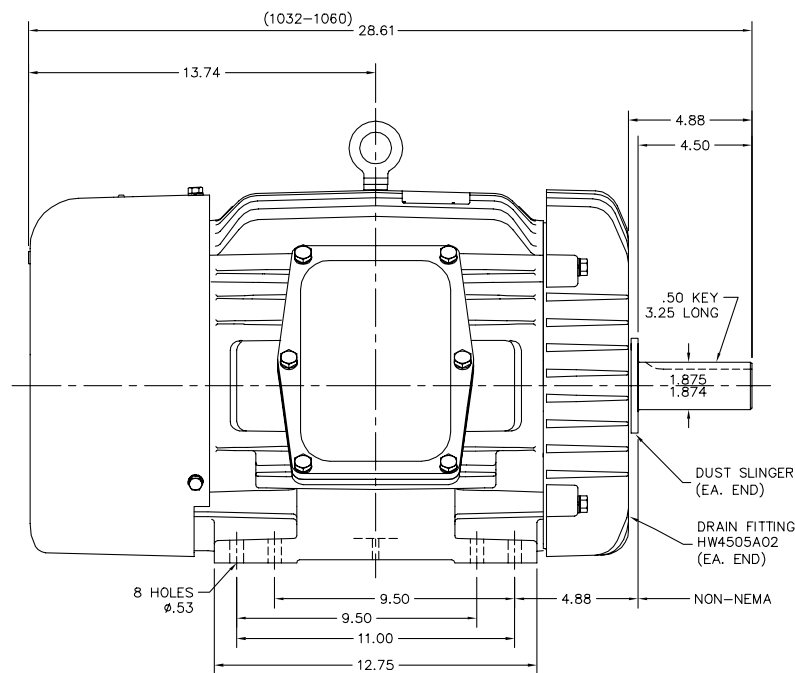
Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
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Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



10L YH275



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

REV. DESC: NEW	VERSION: 00	TDR: 000000552871
REV. LTR: -	REvised: 08:26:32 08/11/2010	BY: ENSHABO
FILE: \AAA\00174\104		
MTL: -		

BALDOR

 HORZ XPFC 284-6T CL.I GP.D CL.II GP.E,F&G W/CP FEAT'S
 SH 1 of 1

10L YH275

