

BALDOR® • RELIANCE

Product Information Packet

CTM1762T

20HP,1770RPM,3PH,60HZ,256T,TEFC,FOOT,

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0944M	Elec. Spec:	09WGX186	CD Diagram:	CD0032
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09J957	Layout:	09LYJ957
Frame:	256T	Mounting:	F1	Poles:	04/08	Created Date:	08-15-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-26-2017
Leads:	6#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1258E										
CAT.NO.	CTM1762T									
SPEC.	09J957X186G1									
HP	20/5									
VOLTS	460									
AMP	23.6/9.3									
RPM	1760/875									
FRAME	256T				HZ	60			PH	3
SER.F.	1.15		CODE	H	DES	B		CL		
NEMA-NOM-EFF					PF					
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6309				ODE	6309				
ENCL	TEFC		SN							

Nameplate NP0090E

FRONT

6309

PULLEY

6309

LUBRICATE WITH

GREASE

POLYREX EM

AC Induction Motor Performance Data

Record # 43648 - Typical performance - not guaranteed values

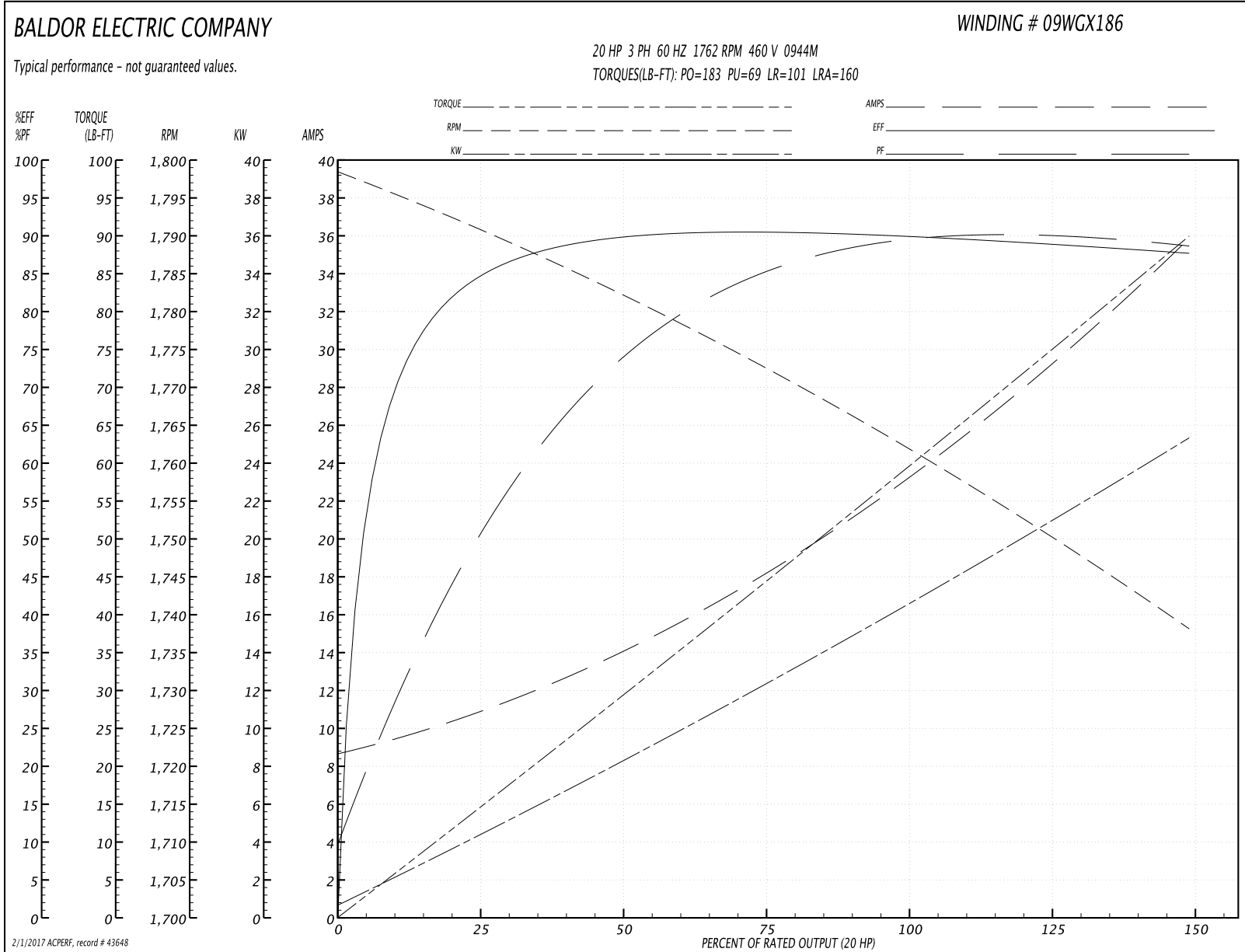
Winding: 09WGX186-R002	Type: 0944M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	20/5			Full Load Torque	60 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	23.6/9.3			Breakdown Torque	183 LB-FT
R.P.M.	1760/875			Pull-up Torque	69 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	101 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	160 A
Service Factor (S.F.)	1.15			No-load Current	9 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.611 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps				Temp. Rise @ S.F. Load	95°C

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	76	85	89	89	89	89
Efficiency	84.6	89.6	90.5	90	89	87.6	89.4
Speed	1790	1781	1773	1762	1750	1738	1755
Line amperes	10.5	14	18.5	23.6	29.5	35.6	27.1

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 43649 - Typical performance - not guaranteed values

Winding: 09WGX186-R002	Type: 0944M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	20/5			Full Load Torque	30 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	23.6/9.3			Breakdown Torque	70 LB-FT
R.P.M.	1760/875			Pull-up Torque	30 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	40 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	45 A
Service Factor (S.F.)	1.15			No-load Current	6.6 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.51 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	40	52	60	65	68	63
Efficiency	71.8	81.4	84.5	85.1	84.9	83.8	85
Speed	895	891	887	881	876	869	878
Line amperes	6.7	7.3	8.1	9.3	10.6	12.2	10.1

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

