

BALDOR • RELIANCE

Customer information packet

M233TX-12

15HP, 1760RPM, 3PH, 60HZ, 254T, 0750M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	18.300 A @ 460.0 V 36.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	18.3 a
Insulation Class	F

Part detail

Revision	D
Type	AC
Mech. spec.	07H203
Base	
Status	PRD/A
Elec. spec.	07WGT546
Layout	07LYH203
Eff. date	05-06-2024
CD Diagram	CD0104
Poles	04
Leads	12#10
Proprietary	False
Created date	04-06-2022

Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	12 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0750M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	21.07 IN
Power Factor	84
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	M2333TX-12								
SPEC.	07H203T546G1								
HP	15								
VOLTS	230/460								
AMP	36.6/18.3								
RPM	1760								
FRAME	254T		HZ	60		PH	3		
SER.F.	1.15	CODE	G	DES	B	CLASS	F		
NEMA-NOM-EFF	91	PF	84						
RATING	40C AMB-CONT								
CC									
DE	6309		ODE	6307					
ENCL	TEFC	SN							
	NOT FOR USE IN USA								

AC Induction Motor Performance Data

Record # 93206

Typical performance - not guaranteed values

Winding: 07WGT546-R001		Type: 0750M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	15	Full Load Torque	44.85 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	36.6/18.3	Breakdown Torque	106 LB-FT		
R.P.M.	1760	Pull-up Torque	64.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	71.6 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	118 A
Service Factor (S.F.)	1.15	No-load Current	6.79 A		
NEMA Nom. Eff.	91	Power Factor	84	Line-line Res. @ 25°C	0.832 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	101°C	
S.F. Amps			Temp. Rise @ S.F. Load	127°C	
			Locked-rotor Power Factor	36.4	
			Rotor inertia	1.23 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	70	80	84	85	85	85
Efficiency	91.3	93.5	92.7	91.8	90.2	88.6	90.8
Speed	1788	1777	1766	1755	1740	1726	1746
Line amperes	7.93	10.66	14.15	18.28	22.97	28.06	21.1

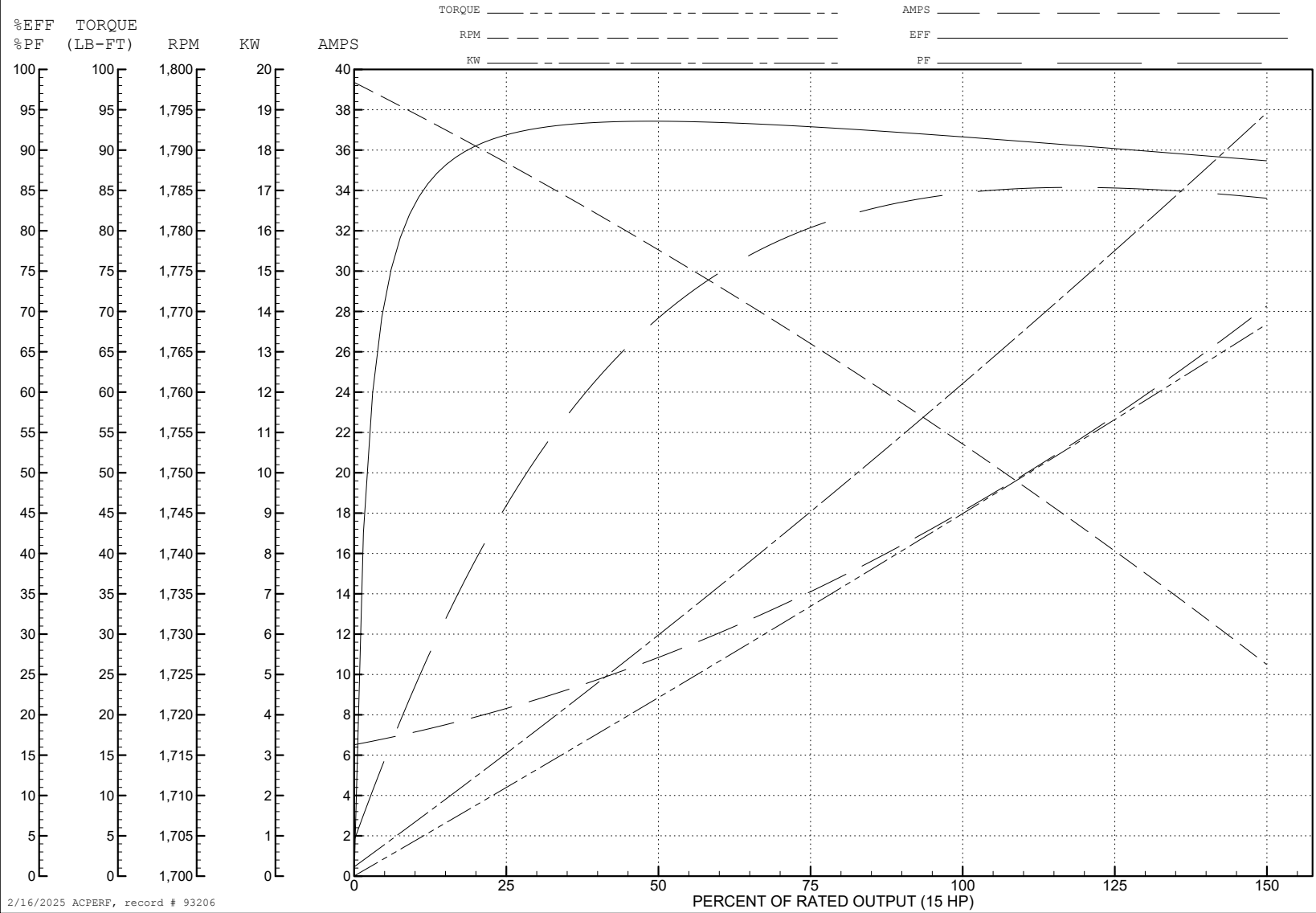
ABB Motors and Mechanical Inc.

WINDING # 07WGT546

15 HP 3 PH 60 HZ 1760 RPM 460 V 0750M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=106 PU=64.7 LR=71.6 LRA=118



2/16/2025 ACPERF, record # 93206

