

BALDOR® • RELIANCE

Product Information Packet

M1763T

25/6.3HP,1760/870RPM,3PH,60HZ,286T,1040M

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGW442	CD Diagram:	CD0032	Mfg Plant:	
Mech. Spec:	10C151	Layout:	10LYC151	Poles:	04/08	Created Date:	
Base:	RG	Eff. Date:	09-28-2017	Leads:	6#10		

Specs			
Catalog Number:	M1763T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	286T	Inverter Code:	Not Inverter
Frame Material:	Iron	KVA Code:	F
Output @ Frequency:	25.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
	6.300 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 10 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	1040M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	32.000 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

Design Code:	B	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	Shaft Slinger
Duty Rating:	CONT	Speed Code:	2S-1W-VT
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
		Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP1256L

CAT.NO.	M1763T											
SPEC.	10C151W442											
HP	25/6.3											
VOLTS	460											
AMP	32/12											
RPM	1760/870											
FRAME	286T				HZ		60			PH	3	
SER.F.	1.15				CODE	F	DES		B	CLASS		F
NEMA-NOM-EFF						PF						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6311				ODE		6309					
ENCL	TEFC		SN									

AC Induction Motor Performance Data

Record # 36424 - Typical performance - not guaranteed values

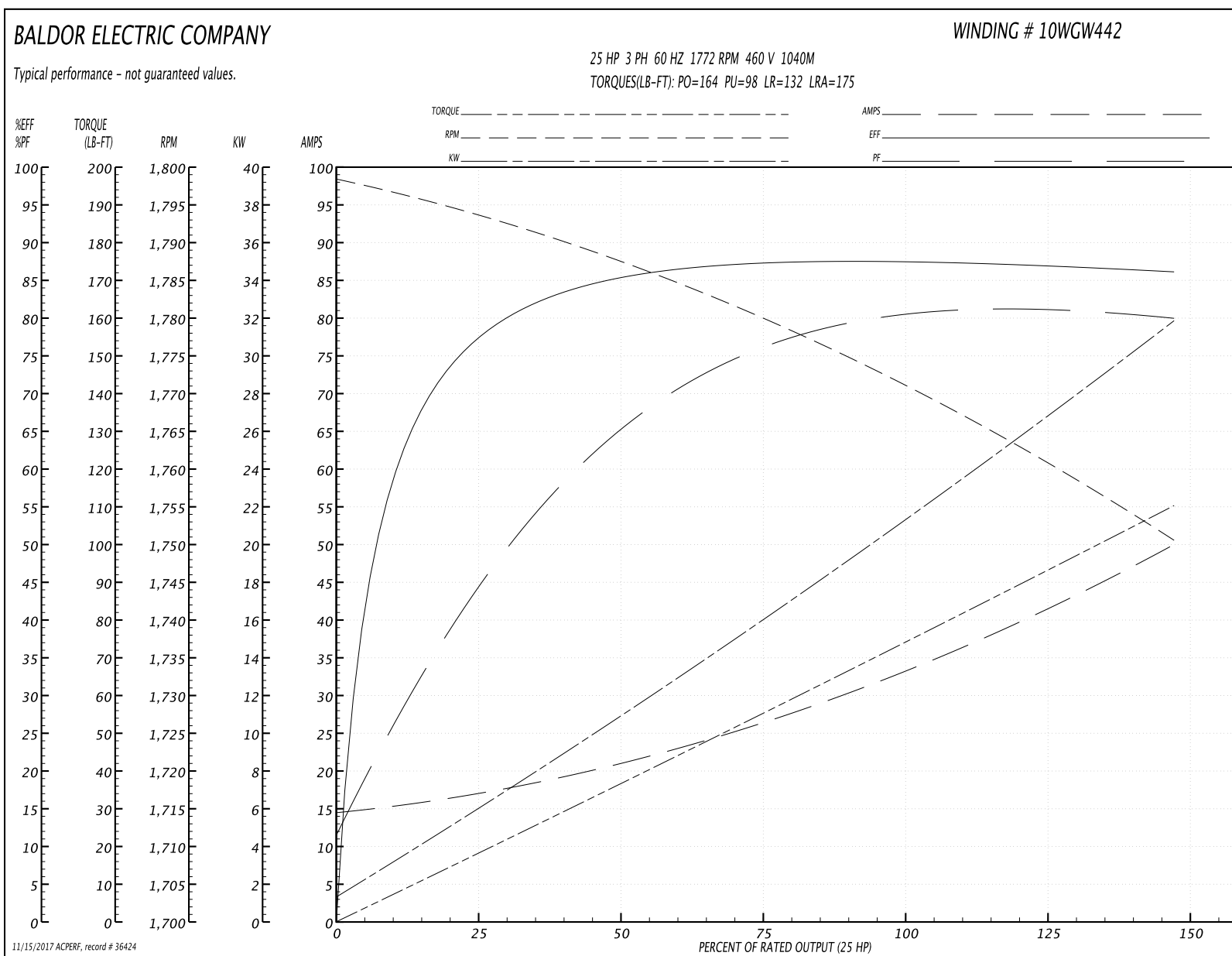
Winding: 10WGW442-R003	Type: 1040M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	25/6.3			Full Load Torque	73.6 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	32/12			Breakdown Torque	164 LB-FT
R.P.M.	1760/870			Pull-up Torque	98 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	132 LB-FT
NEMA Design Code	B	KVA Code	F	Starting Current	175 A
Service Factor (S.F.)	1.15			No-load Current	14.6 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.436 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	89°C
S.F. Amps				Temp. Rise @ S.F. Load	108°C

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	64	74	80	81	81	81
Efficiency	77	85	87	88	87	86	87.4
Speed	1793	1787	1780	1772	1762	1750	1766
Line amperes	16.7	21.2	26.7	32.6	41.1	50	37.7

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



AC Induction Motor Performance Data

Record # 36425 - Typical performance - not guaranteed values

Winding: 10WGW442-R003	Type: 1040M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	25/6.3			Full Load Torque	37.6 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	32/12			Breakdown Torque	72 LB-FT
R.P.M.	1760/870			Pull-up Torque	41 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	55 LB-FT
NEMA Design Code	B	KVA Code	F	Starting Current	45 A
Service Factor (S.F.)	1.15			No-load Current	7.7 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.73 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	48°C

Load Characteristics 460 V, 60 Hz, 6.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	50	57	62	63	60
Efficiency	72	81	84	85.2	84	83	84.5
Speed	896	894	891	887	883	876	885
Line amperes	8.1	9	10.4	12	14.2	17.3	13.3

Performance Graph at 460V, 60Hz, 6.3HP Typical performance - Not guaranteed values

