



Product Information Packet

VEM3774T-5

10HP,1760RPM,3PH,60HZ,215TC,0748M,TEFC,F

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGY729	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	07G082	Layout:	07LYG082	Poles:	04	Created Date:	05-10-2010
Base:	N	Eff. Date:	09-07-2022	Leads:	3#14		

Specs			
Catalog Number:	VEM3774T-5	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	215TC	KVA Code:	H
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 14 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	0748M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	83
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	9.800 A @ 575.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441L

CAT.NO.	VEM3774T-5													
SPEC.	07G082Y729G1													
HP	10													
VOLTS	575													
AMP	9.8													
RPM	1760													
FRAME	215TC				HZ		60			PH		3		
SER.F.	1.15		CODE		H	DES		B	CL		F			
NEMA-NOM-EFF	91.7			PF		83			USABLE AT 208V					
RATING	40C AMB-CONT													
CC	010A													
DE	6307			ODE		6206								
ENCL	TEFC		SN											
VPWM INVERTER READY														
CT6-60H(10:1)VT3-60H(20:1														
										SFA 11.2				

AC Induction Motor Performance Data

Record # 89235

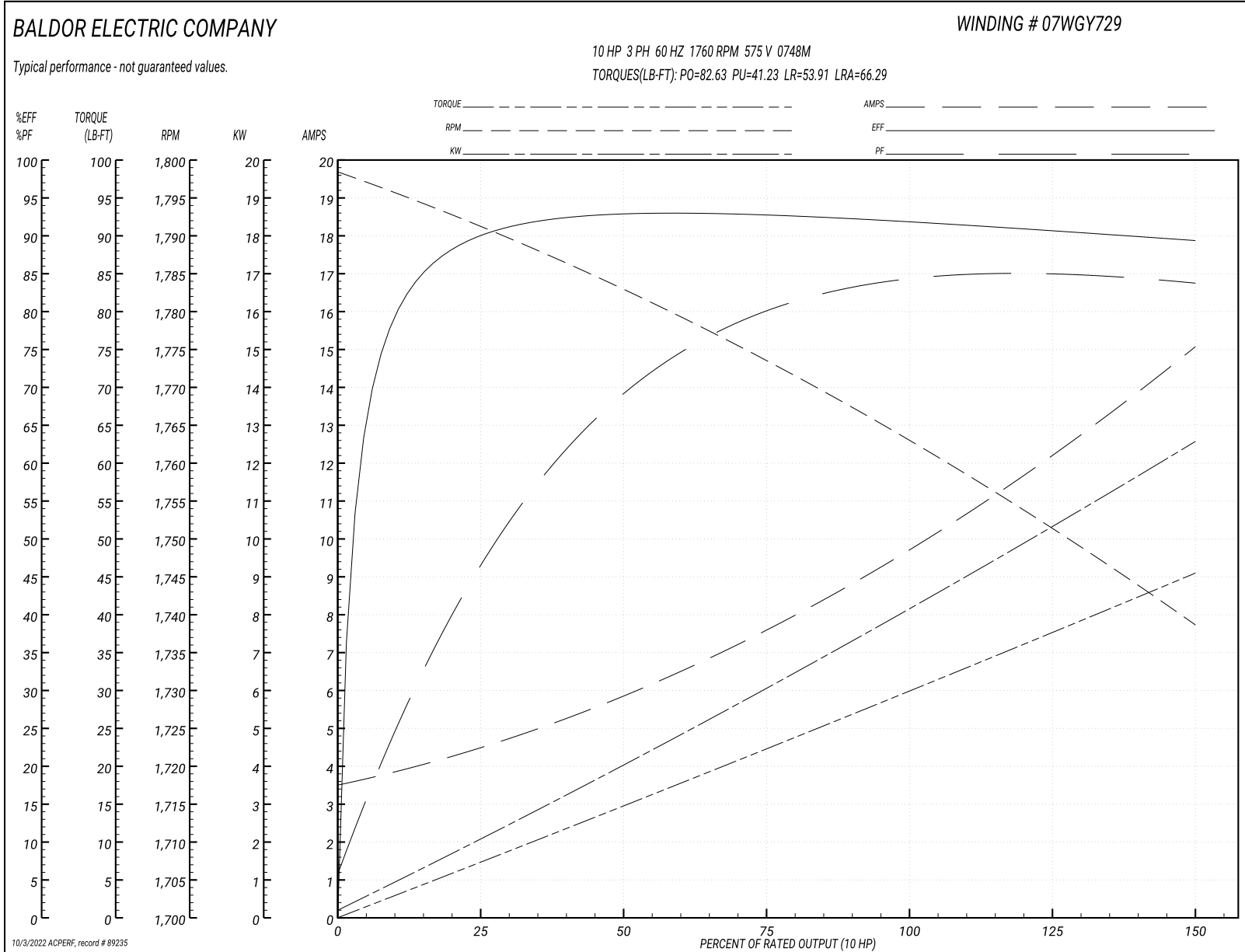
Typical performance - not guaranteed values

Winding: 07WGY729-R002				Type: 0748M		Enclosure: TEFC			
Nameplate Data				575 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		10		Full Load Torque		29.77 LB-FT			
Volts		575		Start Configuration		direct on line			
Full Load Amps		9.8		Breakdown Torque		82.63 LB-FT			
R.P.M.		1760		Pull-up Torque		41.23 LB-FT			
Hz		60 Phase		3		Locked-rotor Torque		53.91 LB-FT	
NEMA Design Code		B KVA Code		H		Starting Current		66.29 A	
Service Factor (S.F.)		1.15		No-load Current		3.65 A			
NEMA Nom. Eff.		91.7 Power Factor		83		Line-line Res. @ 25°C		1.68 Ω	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		64°C			
S.F. Amps				Temp. Rise @ S.F. Load		81°C			
				Locked-rotor Power Factor		35.3847			
				Rotor inertia		1.18 lb-ft²			

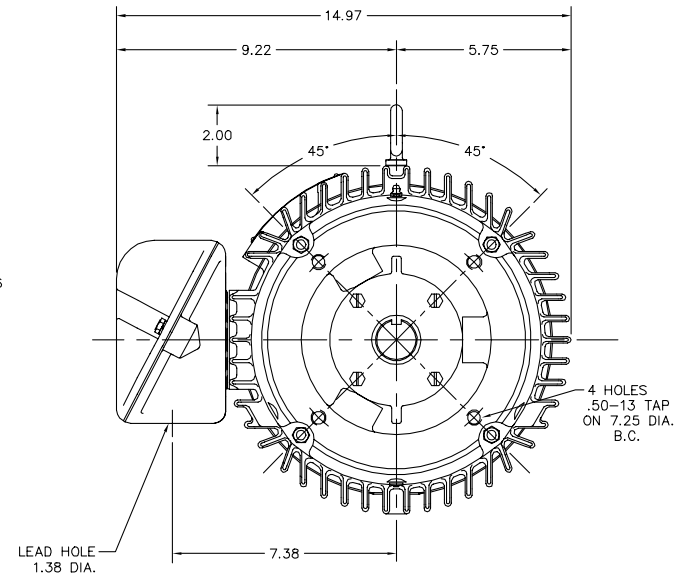
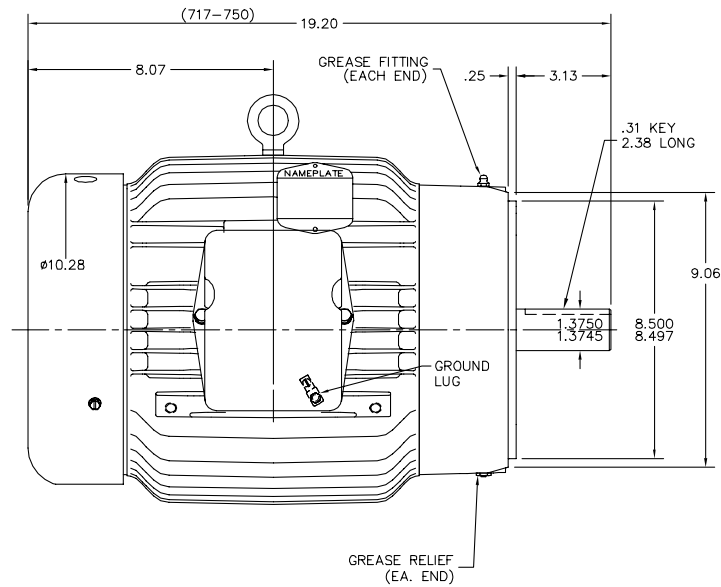
Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	49	70	79	83	85	84	84
Efficiency	90.1	91.9	92.6	92.1	90.9	89.1	91.4
Speed	1791	1782	1774	1764	1752	1738	1757
Line amperes	4.28	5.74	7.6	9.79	12.21	15.01	11.2

Performance Graph at 575V, 60Hz, 10.0HP Typical performance - Not guaranteed values



07LYG082



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

REV. DESC: REMOVE LB1086

REV. LTR: G

VERSION: 02

TDR: 000000B04114

FILE: \AAA\00011\486

REVISED: 12:31:59 06/18/2013

BY: ENROSB0

MTL: -

BALDOR

VERT TEFC 307M 213-5TC, HI-EFF

SH 1 of 1

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