

BALDOR® • RELIANCE 

Product Information Packet

CEDM3558T

2HP,1760RPM,3PH,60HZ,145TC,3528M,TEFC,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG073	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E4328	Layout:	35LYE4328	Poles:	04	Created Date:	01-10-2022
Base:	RG	Eff. Date:	04-22-2022	Leads:	9#18		

Specs			
Catalog Number:	CEDM3558T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145TC	Inverter Code:	Inverter Duty
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	75
	CSA EEV	Product Family:	Dirty Duty Plus
	CCSA US	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Constant Torque Speed Range:	6	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	5.800 A @ 230.0 V	Shaft Rotation:	Reversible
	6.600 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger
	2.900 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3504E										
CAT NO	CEDM3558T									
SPEC.	35E4328G073G1						ENCL	TEFC		
FRAME	145TC			HP		2				
VOLTS	230/460									
FLA	5.6/2.8				I.P.	56				
RPM	1760			RPM MAX	2700					
HZ	60			PH	3		CLASS	F		
SER.F.	1.15			DES	B		CC	010A		
NEMA-NOM-EFF	86.5									
RATING	40C AMB-CONT									
DE BRG	6205			ODE BRG	6203					
GREASE	POLYREX EM									
C HP FR	60			C HP TO	90					
CT HZ FROM	6			CT HZ TO	60					
SER.NO	SFA 6.26/3.13									
						VT HZ FROM	6		VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA402654	SA 35E4328G073G1	1.000 EA
RA393931	RA 35E4328G073G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB1001A01E	SPL CONDUIT BOX, MACHINED (E-COAT)	1.000 EA
35GS1022A02	GASKET BOX .06 THK NEOP BLK HDN 30-40 DU	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP1100F12EP5	FRONT TEFC 203 BRG W/ SEAL	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW4606A01	JM CLIPPER/SEAL (WDE-0667-1064-BH49)	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP1300A113E	PUEP ENCL 205 BRG F/SEAL, (4).125 NPT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35FH4005A01EP5	IEC FH NO GREASER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4516E	CONDUIT BOX LID, E-COAT	1.000 EA
36GS1002	GASKET, 1/16" NEOPRENE CONDUIT BOX LID	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 GA
LB1000	LABEL, DIRTY DUTY	1.000 EA
WD1000D21	TRM,T&B #B71M,RING,18-14,.25,NON-INSL	9.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1500Y02	WILKOPON PRIMER YELLOW	0.010 GA
MG1025L01	WILKOFASD FD, 786.04, BLACK	0.010 GA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP3504E	SS DIRTY DUTY PLUS INV UL CSA-C US EEV	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

AC Induction Motor Performance Data

Record # 87157

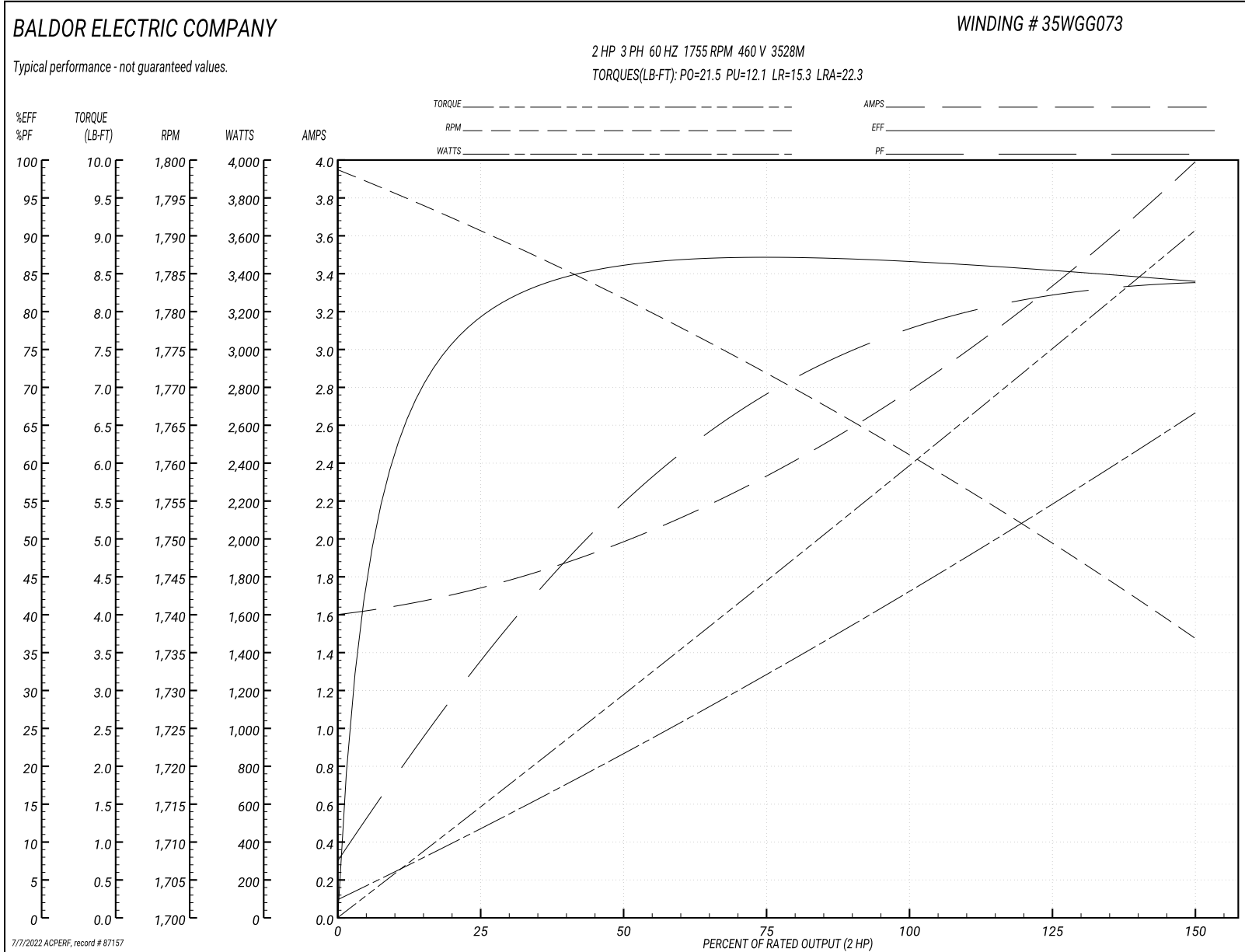
Typical performance - not guaranteed values

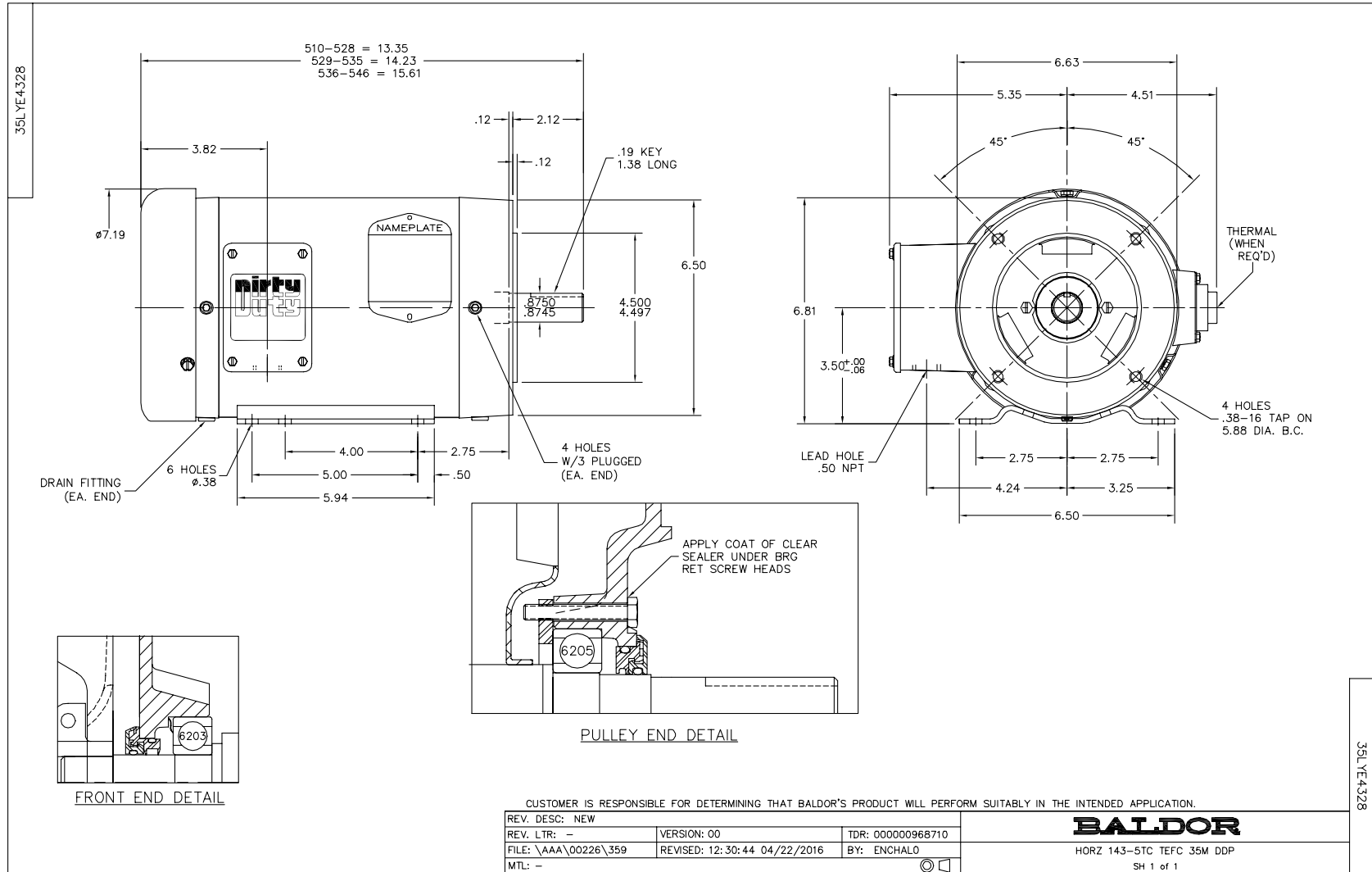
Winding: 35WGG073-R001		Type: 3528M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	2	Full Load Torque	5.965 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	5.6/2.8	Breakdown Torque	21.5 LB-FT		
R.P.M.	1755	Pull-up Torque	12.1 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	15.3 LB-FT	
NEMA Design Code	B KVA Code	K	Starting Current	22.3 A	
Service Factor (S.F.)	1.15		No-load Current	1.63 A	
NEMA Nom. Eff.	86.5	Power Factor	77	Line-line Res. @ 25°C	9.4681 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	63°C	
S.F. Amps	6.2/3.1		Temp. Rise @ S.F. Load	77°C	
			Locked-rotor Power Factor	56.5	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	56	69	77	82	84	80
Efficiency	78.8	85.7	87.1	86.8	85.6	83.8	86.1
Speed	1790.3	1781.4	1771.9	1761.4	1749.7	1736.6	1754
Line amperes	1.71	1.96	2.34	2.81	3.35	3.97	3.13

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

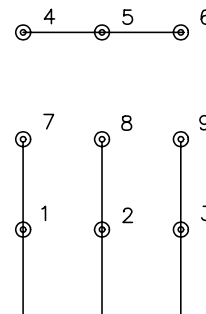




CD0005

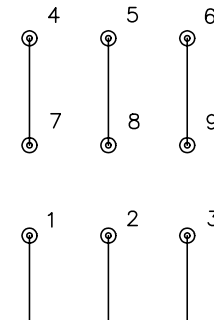


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005