

BALDOR® • RELIANCE

Product Information Packet

UCME153

1.5-3HP,3450RPM,3PH,60HZ,145TZ,3524M,TEA

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGS057	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E2501	Layout:	35LYE2501	Poles:	02	Created Date:	03-05-2014
Base:	RG	Eff. Date:	06-09-2017	Leads:	9#18		

Specs			
Catalog Number:	UCME153	Insulation Class:	F
Enclosure:	TEAO	Inverter Code:	Not Inverter
Frame:	145TYZ	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	3.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Pipe Or Pipe Adaptor
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3524M
	208.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	83
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	CSA	Product Type:	FARM DUTY
	UR	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	8.500 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	8.200 A @ 230.0 V	Shaft Rotation:	Reversible
	4.100 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	Normally Closed Thermostat
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1279L

CAT.NO.	UCME153										
SPEC.	35E2501S057G1										
HP	1.5-3										
VOLTS	208-230/460										
AMP	8.5-8.2/4.1										
RPM	3450										
FRAME	145TYZ				HZ	60		PH	3		
SER.F.	1.00			CODE	L		DES	B		CL	F
NEMA-NOM-EFF	80				PF	83					
RATING	40C AMB-CONT										
CC								USABLE AT 208V	8.5		
DE	6206				ODE	6203					
ENCL	TEAO			SN							

Nameplate NP1263L

CAT.NO.	UCME153										
SPEC.	35E2501S057G1										
HP	1.5-3										
VOLTS	208-230/460										
AMP	8.5-8.2/4.1										
RPM	3450										
FRAME	145TYZ				HZ			60	PH		3
SER.F.	1.00		CODE		L	DES		B	CL		F
NEMA-NOM-EFF	80		PF		83						
RATING	40C AMB-CONT										
CC			USABLE AT 208V								8.5
DE	6206			ODE		6203					
ENCL	TEAO		SN								

AC Induction Motor Performance Data

Record # 8899 - Typical performance - not guaranteed values

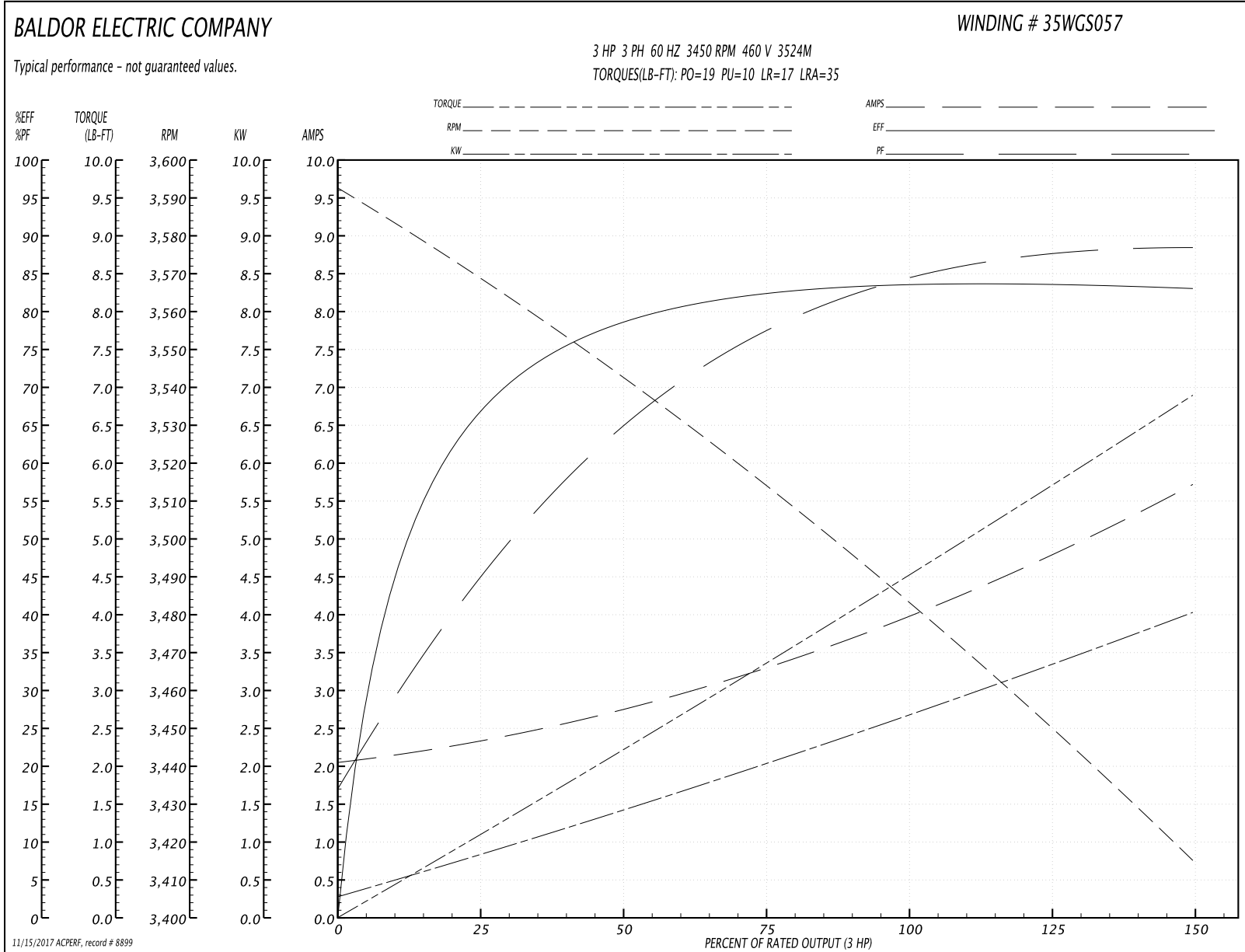
Winding: 35WGS057-R001	Type: 3524M	Enclosure: OPAO
-------------------------------	--------------------	------------------------

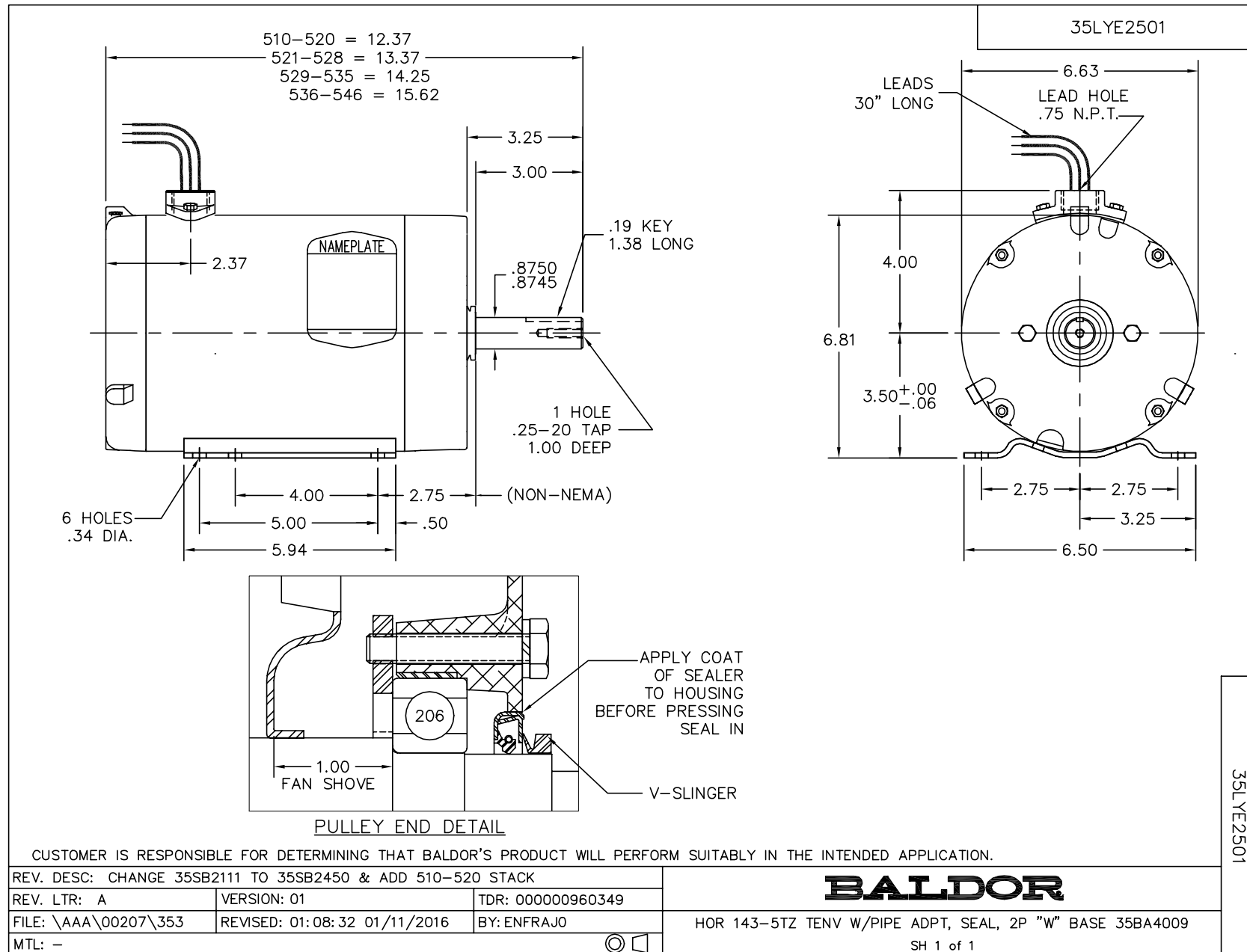
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5-3			Full Load Torque	4.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	8.5-8.2/4.1			Breakdown Torque	19 LB-FT
R.P.M.	3450			Pull-up Torque	10 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	35 A
Service Factor (S.F.)	1			No-load Current	2.1 A
NEMA Nom. Eff.	80	Power Factor	83	Line-line Res. @ 25°C	4.81 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 3 HP

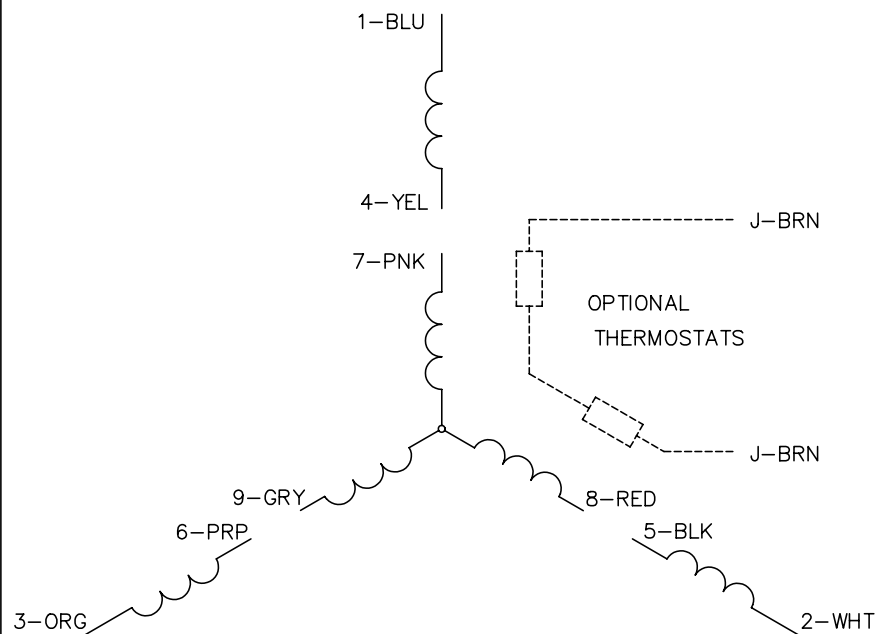
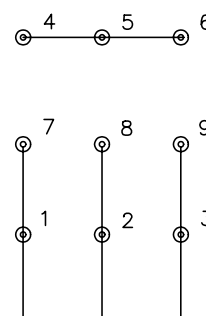
% of Rated Load	25	50	75	100	125	150
Power Factor	46	66	77	83	86	89
Efficiency	66.6	78.6	83	83.8	83.5	83
Speed	3567	3541	3512	3481	3449	3415
Line amperes	2.3	2.7	3.4	4.1	4.8	5.7

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

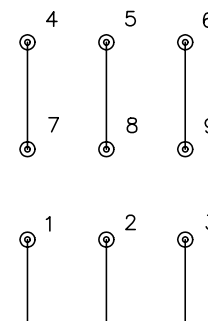




CD0005

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