

ABB BALDOR RELIANCE III

Customer information packet

UCLE153

1.5-3HP, 3450RPM, 1PH, 60HZ, 3532LC, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	145TZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ 1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.500 A @ 230.0 V 13.700 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.5 a

Part Detail

Revision	R
Type	AC
Mech. spec.	35E2504
Base	
Status	PRD/A
Elec. spec.	35WGT138
Layout	35LYE2504
Eff. date	01-02-2025
CD Diagram	CD0017A02
Poles	02
Leads	2#14 A PH 30" leads, 2#18 B PH 30" leads Y
Proprietary	False
Created date	03-05-2014

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.25 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	UCLE153								
SPEC.	35E2504T138G1								
HP	1.5-3								
VOLTS	230								
AMP	12.5								
RPM	3450								
FRAME	143TZ		HZ	60		PH		1	
SER.F.	1.15		CODE	G	DES	L		CL	F
NEMA-NOM-EFF	78		PF	95					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6203					
ENCL	TEAO		SN						

NP1263L											
CAT.NO.	UCLE153										
SPEC.	35E2504T138G1										
HP	1.5-3										
VOLTS	230										
AMP	12.5										
RPM	3450										
FRAME	143TZ			HZ	60			PH	1		
SER.F.	1.15	CODE	G	DES	L	CL	F				
NEMA-NOM-EFF	78	PF	95								
RATING	40C AMB-CONT										
CC											
DE	6206	ODE	6203								
ENCL	TEAO	SN									

Accessories

Part number	Description	Multiplier
35-3300FD	C FACE KIT FARM DUTY 143-5TC ENCL, 6205	A8

AC Induction Motor Performance Data

Record # 55935

Typical performance - not guaranteed values

Winding: 35WGT138-R005				Type: 3532LC		Enclosure: TEO					
Nameplate Data				230 V, 60 Hz: Single Voltage Motor							
Rated Output (HP)		1.5-3		Full Load Torque		4.54 LB-FT					
Volts		230		Start Configuration		direct on line					
Full Load Amps		12.5		Breakdown Torque		12.1 LB-FT					
R.P.M.		3450		Pull-up Torque		8.54 LB-FT					
Hz		60 Phase		1		Locked-rotor Torque		10.1 LB-FT			
NEMA Design Code		L		KVA Code		G		Starting Current		80 A	
Service Factor (S.F.)		1.15		No-load Current		2.36 A					
NEMA Nom. Eff.		78		Power Factor		95		Line-line Res. @ 25°C		0.80752 Ω A Ph 1.4854 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load							

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	91	97	98	98	98	98	98
Efficiency	62.1	75.7	79.6	79.1	77	73.1	77.8
Speed	3556.5	3524.6	3486.3	3442.2	3384.1	3316.4	3407
Line amperes	4.28	6.66	9.37	12.4	16	20.3	14.6

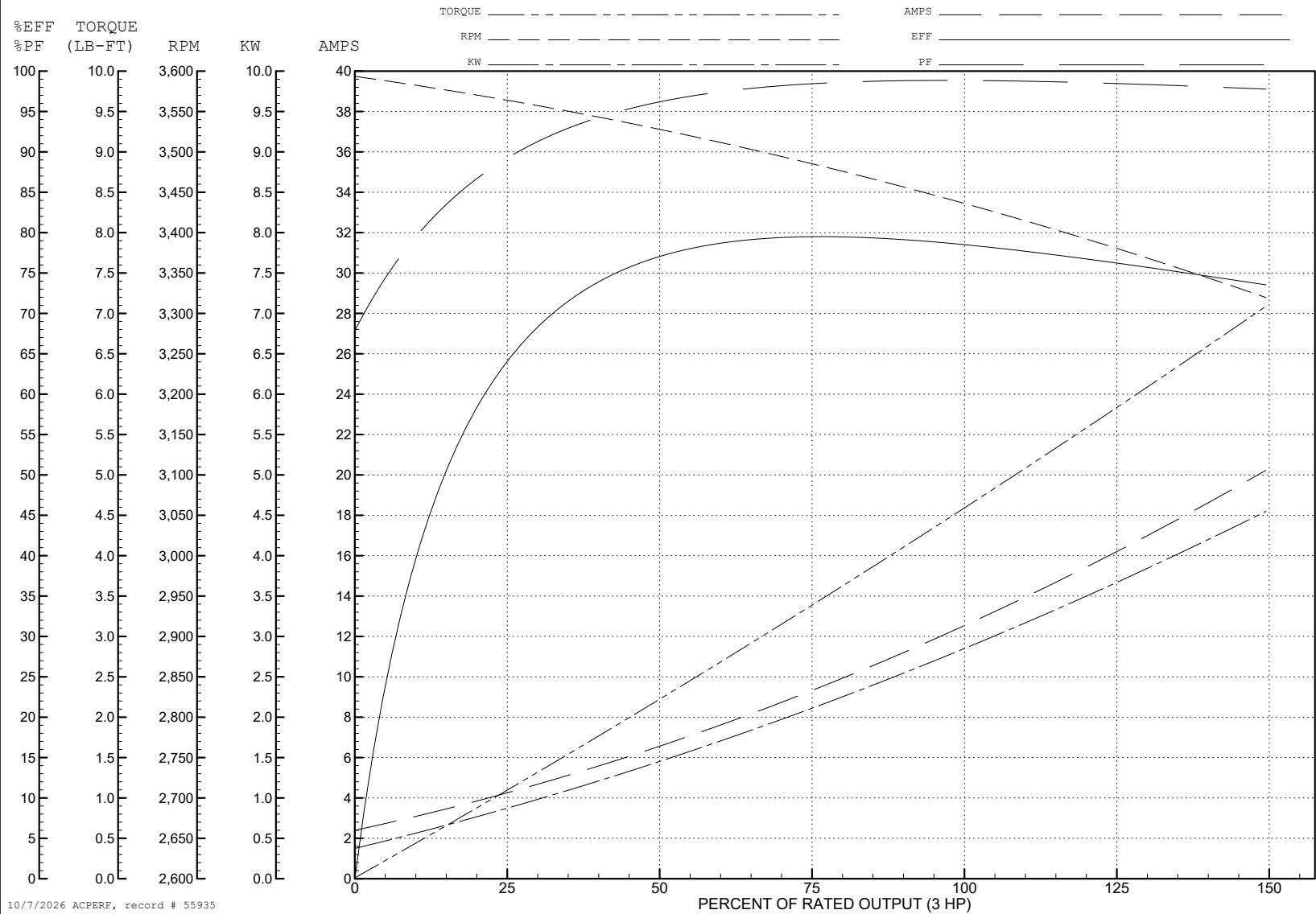
ABB Motors and Mechanical Inc.

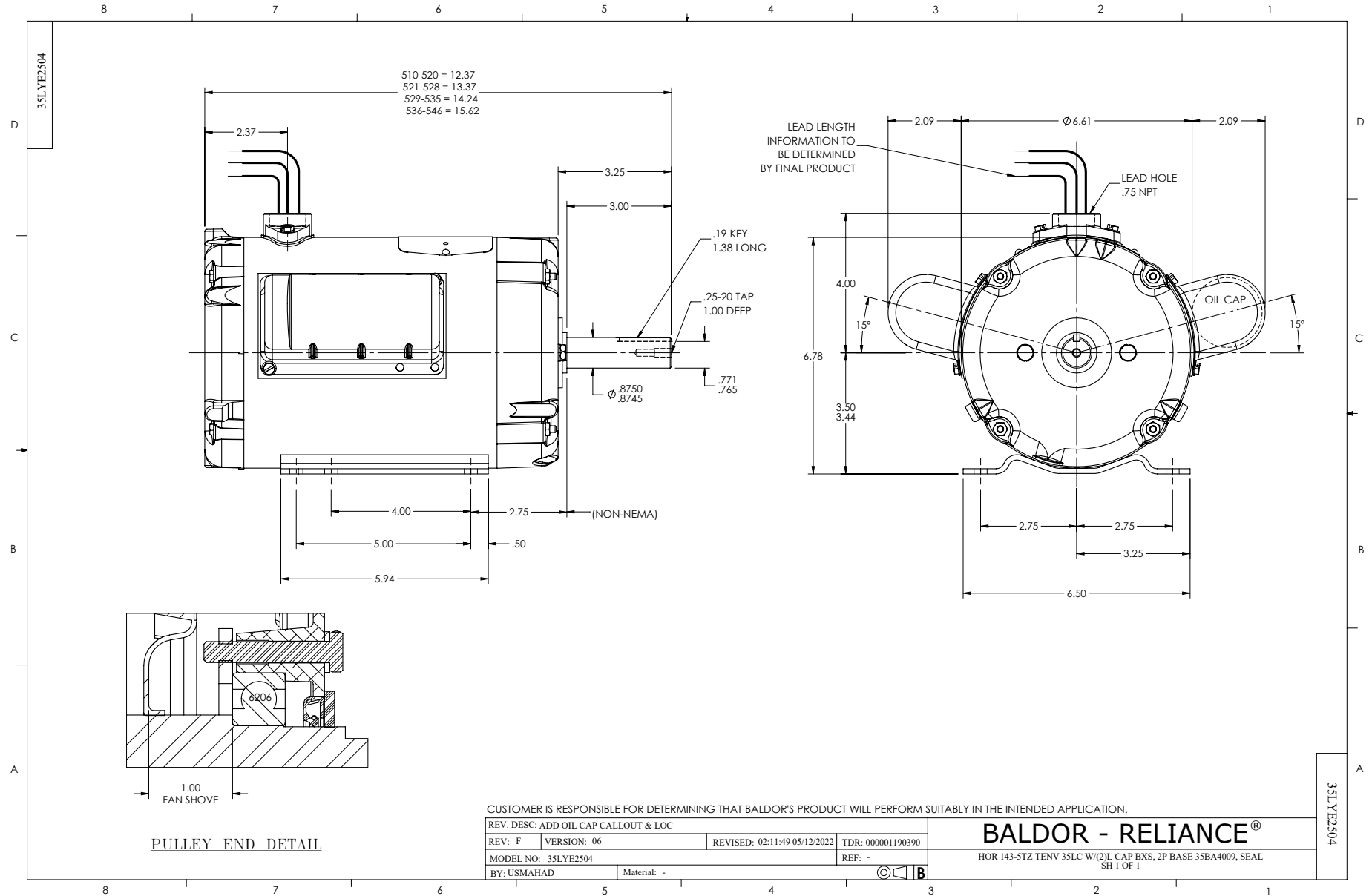
WINDING # 35WGT138

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3532LC

TORQUES (LB-FT): PO=12.1 PU=8.54 LR=10.1 LRA=80





CD0017A02

