



Customer information packet

36L638X875H2

5.5KW, 3450RPM, 3PH, 60HZ, D112D, 3640M, TEFC

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D112D
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.500 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	17.400 A @ 230.0 V 18.500 A @ 208.0 V 8.700 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	H
Type	AC
Mech. spec.	36L638
Base	
Status	NLA/A
Elec. spec.	36WGX875
Layout	36LYL638
Eff. date	09-18-2015
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	03-14-2007

Heater Indicator	No Heater
High Voltage Full Load Amps	8.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box W/Term Block
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Ring Terminals
Motor Standards	IEC
Motor Type	3640M
Mounting Arrangement	B5
Number of Poles	2
Overall Length	17.33 IN
Power Factor	93
Product Family	Wash Down C.I. Autophoretic
Pulley End Bearing Type	Ball
Pulley Face Code	D-Flange
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.103 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None
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Nameplate

NP1175E									
CAT.NO.									
SPEC.	36L638X875H2								
IEC FRAME	D112D	K.W.			5.5KW				
VOLTS	208-230/460								
AMP	18.5-17.4/8.7								
RPM	3450				I.P.		55		
HZ	60	PH		3	CL		F		
SER.F.	1.15	DES		A	CODE		M		
NEMA-NOM-EFF	88.5	PF		93					
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V						N/A	
DE	6206	ODE		6205					
SER. #									
	7.5 HP								

AC Induction Motor Performance Data

Record # 50542

Typical performance - not guaranteed values

Winding: 36WGX875-R012			Type: 3640M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (KW)		5.5	Full Load Torque		11.3 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		18.5-17.4/8.7	Breakdown Torque		66.8 LB-FT			
R.P.M.		3450	Pull-up Torque		37.1 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		53.5 LB-FT		
NEMA Design Code		A	KVA Code	M	Starting Current		98.8 A	
Service Factor (S.F.)		1.15		No-load Current		2.78 A		
NEMA Nom. Eff.		88.5	Power Factor		93	Line-line Res. @ 25°C		1.45 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		73°C		
S.F. Amps				Temp. Rise @ S.F. Load		88°C		
				Locked-rotor Power Factor		48.2		
				Rotor inertia		0.178 LB-FT2		

Load Characteristics 460 V, 60 Hz, 5.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	83	90	94	95	95	95
Efficiency	82	88.3	89.2	88.9	87.5	86.4	88.1
Speed	3564	3536	3507	3470	3434	3394	3448
Line amperes	3.5	4.85	6.54	8.4	10.5	12.7	9.66

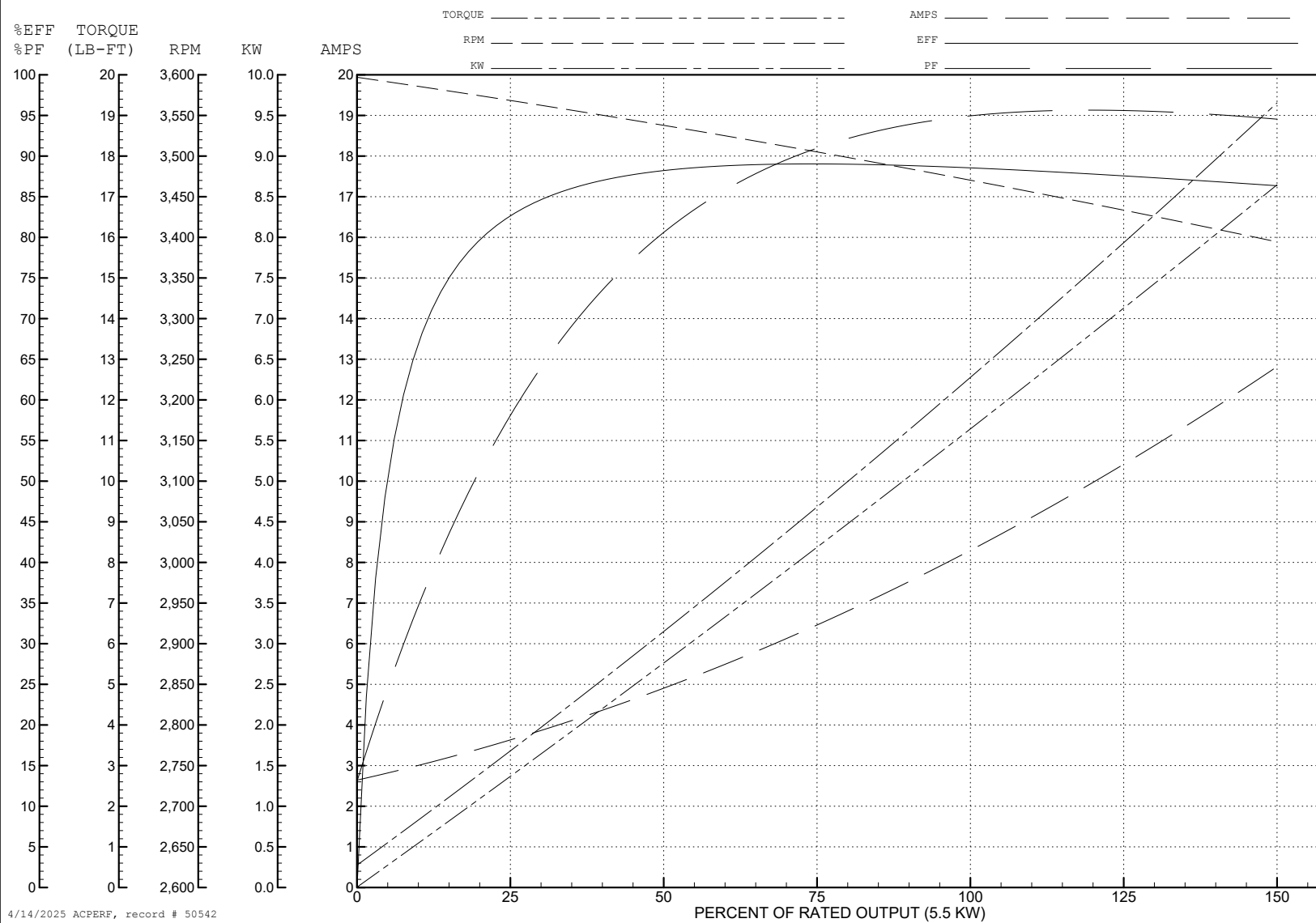
ABB Motors and Mechanical Inc.

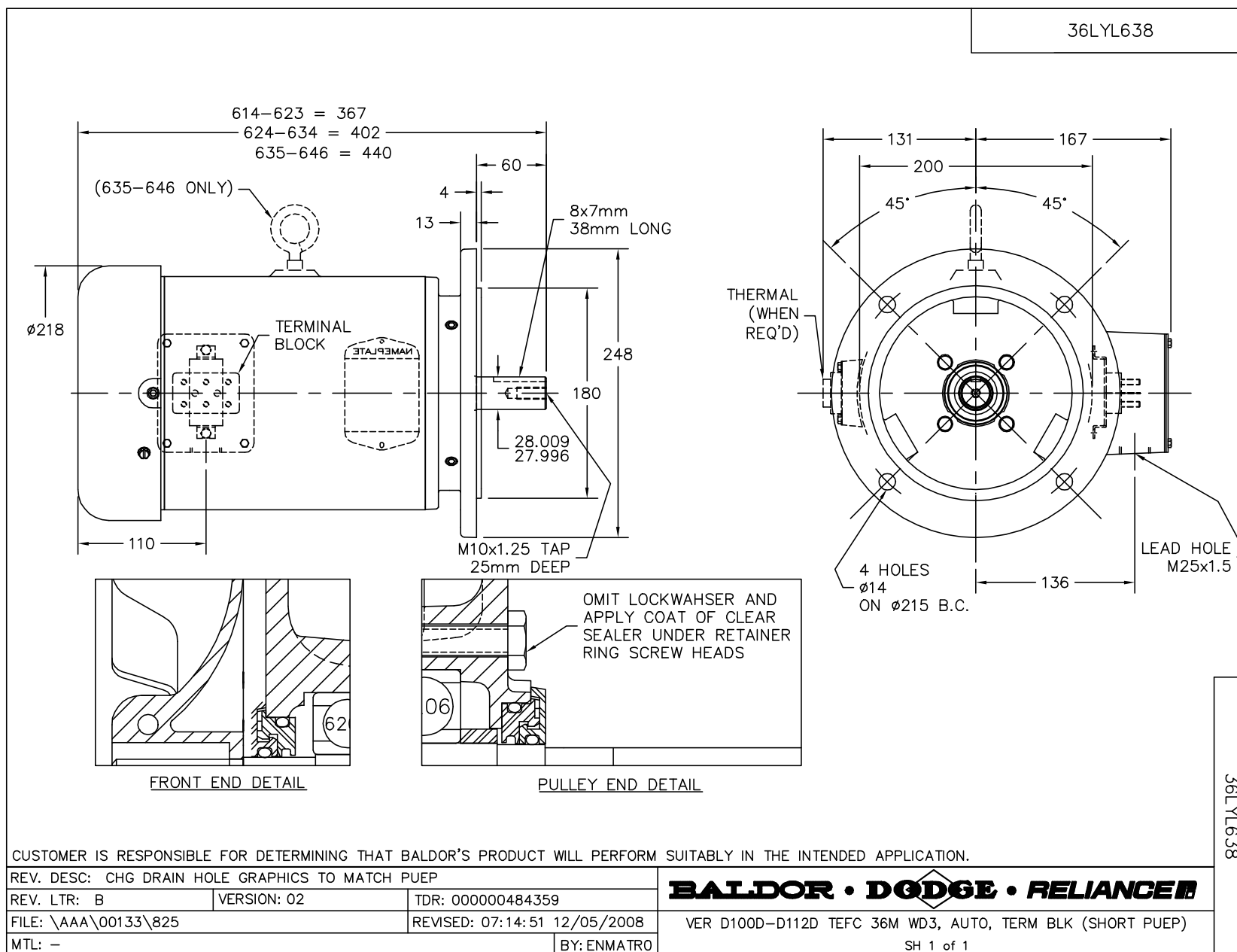
WINDING # 36WGx875

Typical performance - not guaranteed values.

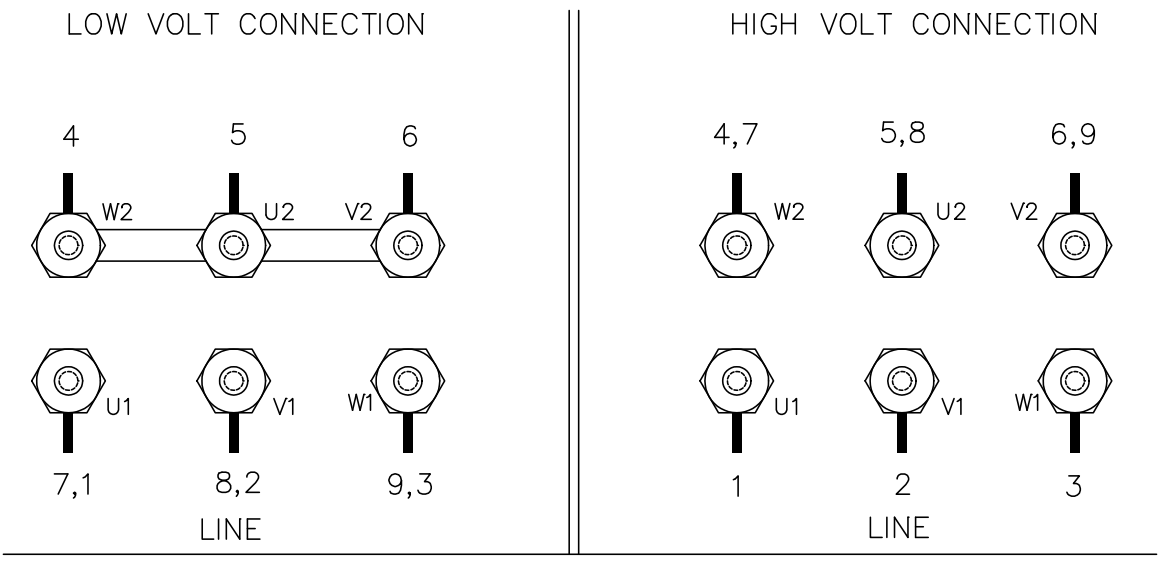
5.5 KW 3 PH 60 HZ 3450 RPM 460 V 3640M

TORQUES (LB-FT): PO=66.8 PU=37.1 LR=53.5 LRA=98.8





SP0032



TO REVERSE ROTATION
INTERCHANGE ANY TWO
LINE LEADS.

MATL:			
REV:	A	ADD CONN LABEL REF TO DESC	
SP0032		SCALE: -	BY: JLP
		FILE: AAA00029378	REVISED: 12/17/96
		TDR: 0111436	

BALDOR ELECTRIC Co.

THREE PHASE, DUAL VOLTAGE, TERMINAL BLOCK, CD0005/LC0005C01

SP0032

