Customer information packet

CSWDM3541-5

.75HP, 3450RPM, 3PH, 60HZ, 56C, 3518M, TENV, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56C
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
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	.900 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing

Part Detail

Revision	F
Type	AC
Mech. spec.	35S630
Base	
Status	PRD/A
Elec. spec.	35WGR394
Layout	35LYS630
Eff. date	09-11-2023
CD Diagram	CD0006
Poles	02
Leads	3#18
Proprietary	False
Created date	05-23-2018

Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3518M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.06 IN
Power Factor	80
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
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 - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1496L									
CAT.NO.	CSWDM3541-5								
SPEC.	35S630R394G1								
HP	.75								
VOLTS	575								
AMP	.9								
RPM	3450								
FRAME	56C		**HZ**	60			**PH**	3	
SER.F.	1.25	**CODE**	N	**DES**	B	**CLASS**		F	
NEMA-NOM-EFF	80	**PF**	80						
RATING	40C AMB-CONT								
CC									
DE	6205		**ODE**	6203					
ENCL	TENV	**SN**							
	SFA 1								

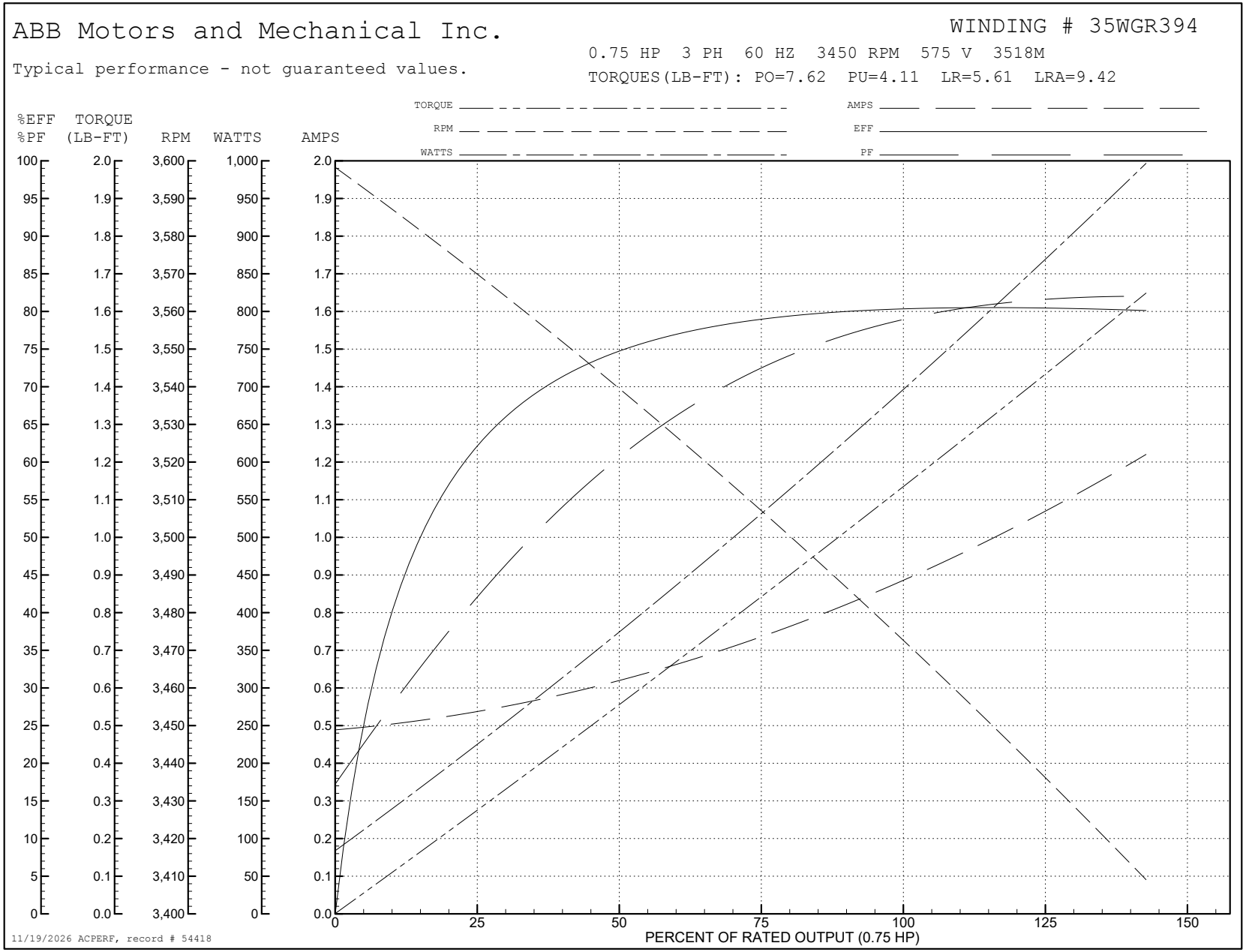
AC Induction Motor Performance Data
Record # 54418
Typical performance - not guaranteed values

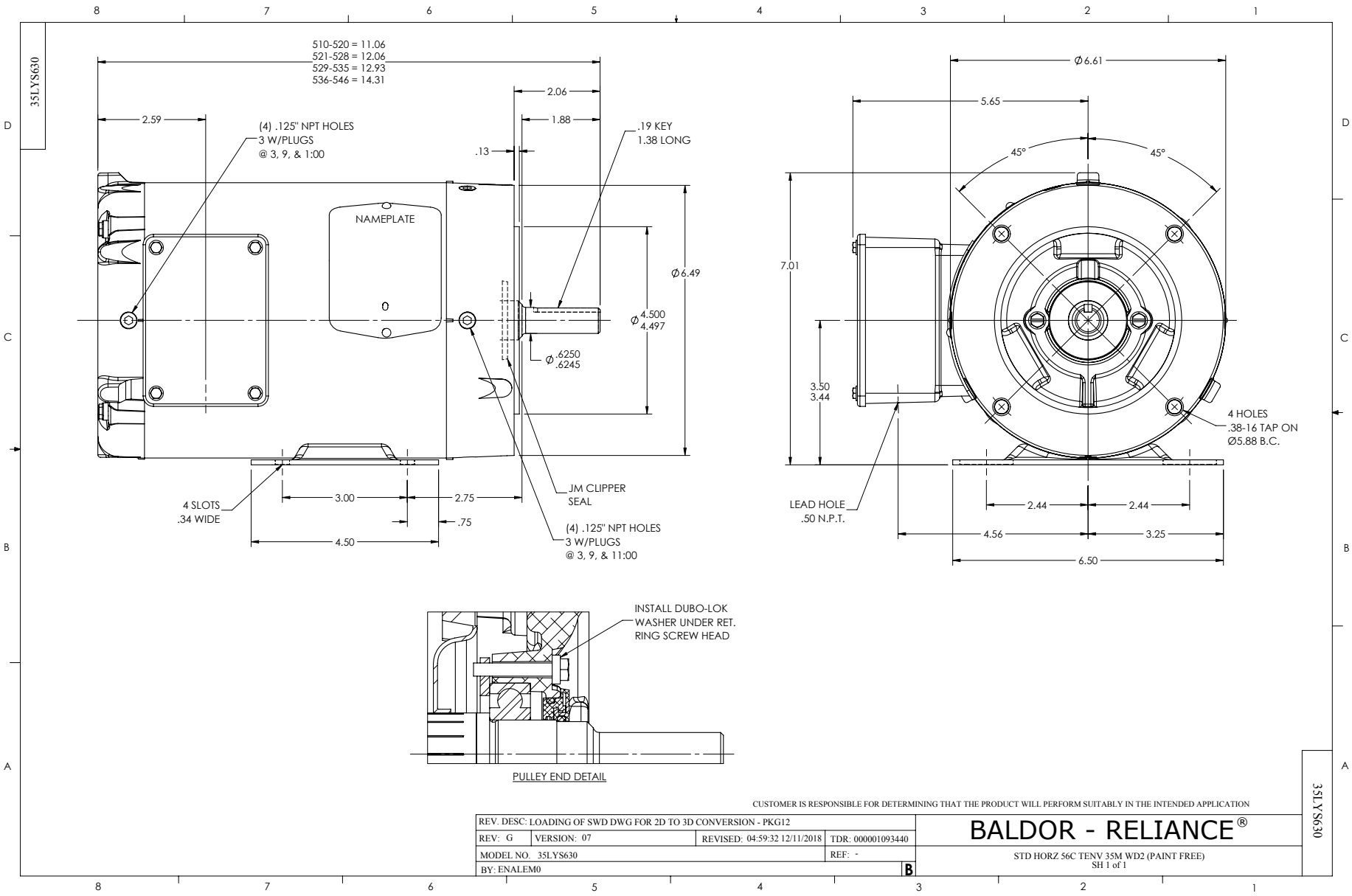
Winding: 35WGR394-R002	**Type:** 3518M	**Enclosure:** TENV

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			.75	**Full Load Torque**	1.1 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			.9	**Breakdown Torque**	7.62 LB-FT
R.P.M.			3450	**Pull-up Torque**	4.11 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	5.61 LB-FT
NEMA Design Code	B	**KVA Code**	N	**Starting Current**	9.42 A
Service Factor (S.F.)			1.25	**No-load Current**	0.493 A
NEMA Nom. Eff.	80	**Power Factor**	80	**Line-line Res. @ 25ºC**	24.1 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	
S.F. Amps			1	**Temp. Rise @ S.F. Load**	
				Locked-rotor Power Factor	58.1
				Rotor inertia	0.0498 LB-FT2

Load Characteristics 575 V, 60 Hz, 0.75 HP

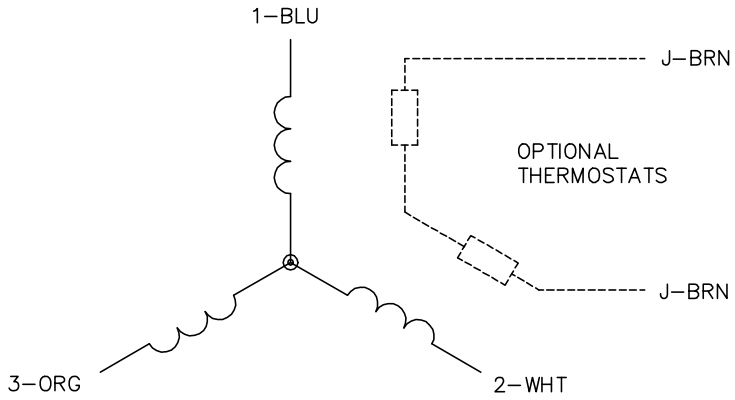
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	61	72	78	81	82	81
Efficiency	62.3	74.3	78.7	80.3	80.9	80	80.9
Speed	3571	3536	3510	3478	3445	3407	3445
Line amperes	0.532	0.612	0.731	0.876	1.03	1.22	1.03

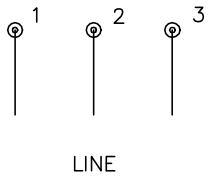

ABB Motors and Mechanical Inc.
WINDING # 35WGR394
Typical performance - not guaranteed values.
0.75 HP 3 PH 60 HZ 3450 RPM 575 V 3518M
TORQUES(LB-FT): PO=7.62 PU=4.11 LR=5.61 LRA=9.42
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/19/2026 ACPERF, record # 54418


35LYS630
510-520 = 11.06
521-528 = 12.06
529-535 = 12.93
536-546 = 14.31
2.06
2.59
1.88
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 1:00
.13
.19 KEY
1.38 LONG
NAMEPLATE
Ø6.49
Ø4.500
4.497
Ø.6250
.6245
4 SLOTS
.34 WIDE
3.00
2.75
.75
4.50
JM CLIPPER
SEAL
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 11:00
Ø6.61
5.65
45°
45°
7.01
3.50
3.44
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.44
2.44
4.56
3.25
6.50
INSTALL DUBO-LOK
WASHER UNDER RET.
RING SCREW HEAD
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG12
REV: G
VERSION: 07
REVISED: 04:59:32 12/11/2018
TDR: 000001093440
MODEL NO. 35LYS630
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 56C TENV 35M WD2 (PAINT FREE)
SH 1 of 1
35LYS630

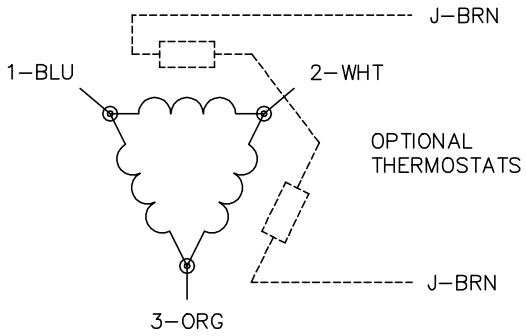
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007			BALDOR - RELIANCE®
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED
MTL: –			SH 1 of 1