

BALDOR® • RELIANCE®

Customer information packet

CEWDM3555

2HP, 3490RPM, 3PH, 60HZ, 56HCY, 3526M, TEFC, F1

Class - None

Division - Not Applicable

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3/28/2023 7:14:19 AM

Specifications

Enclosure	TEFC
Frame	56HCY
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.000 A @ 230.0 V 5.300 A @ 208.0 V 2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	W
Type	AC
Mech. spec.	35S593
Base	
Status	PRD/A
Elec. spec.	35WGM774
Layout	35LYS593
Eff. date	04-07-2020
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	07-16-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.24 IN
Power Factor	88
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3490 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

Nameplate

NP1669L									
CAT.NO.	CEWDM3555								
SPEC.	35S593M774G1								
HP	2								
VOLTS	230/460								
AMP	5/2.5								
RPM	3490								
FRAME	56HCY		HZ	60		PH	3		
SER.F.	1.15	CODE	M	DES	B	CLASS	F		
NEMA-NOM-EFF	85.5	PF	88						
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V				5.3		
DE	6205		ODE	6203					
ENCL	TEFC	SN							
BLANK	IP55								

AC Induction Motor Performance Data

Record # 52479

Typical performance - not guaranteed values

Winding: 35WGM774-R004		Type: 3526M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2	Full Load Torque	2.98 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	5/2.5	Breakdown Torque	14.2 LB-FT
R.P.M.	3490	Pull-up Torque	6.33 LB-FT
Hz	60 Phase	Locked-rotor Torque	11.2 LB-FT
NEMA Design Code	B KVA Code	Starting Current	25.9 A
Service Factor (S.F.)	1.15	No-load Current	0.912 A
NEMA Nom. Eff.	85.5 Power Factor	Line-line Res. @ 25°C	6.88 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	44°C
S.F. Amps		Temp. Rise @ S.F. Load	52°C
		Locked-rotor Power Factor	49.9
		Rotor inertia	0.0719 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	75	84	88	90	91	89
Efficiency	73.4	83.6	85.8	86.3	85.8	84.7	86
Speed	3572	3547	3520	3492	3461	3426	3473
Line amperes	1.1	1.47	1.93	2.44	3	3.61	2.78

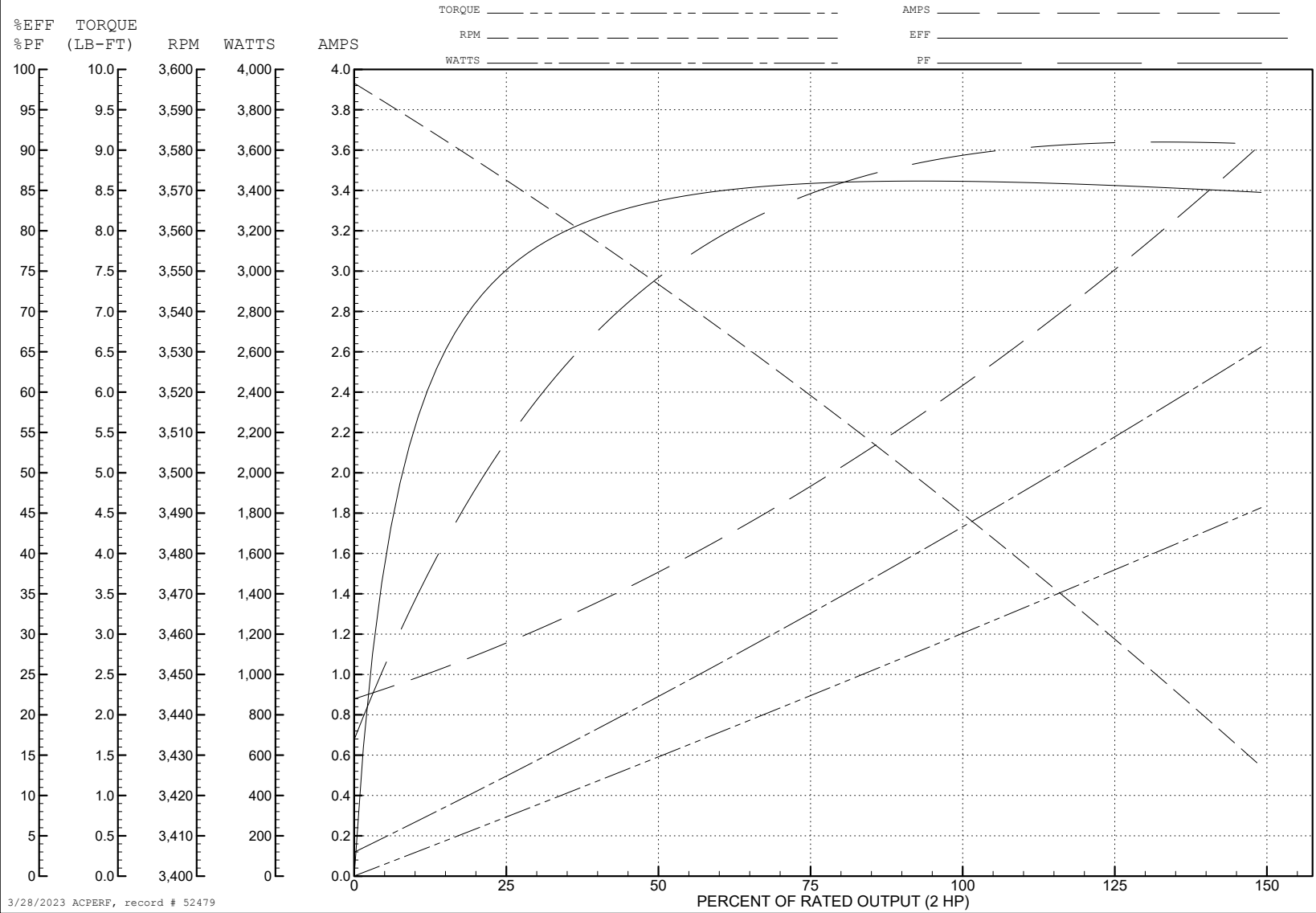
ABB Motors and Mechanical Inc.

WINDING # 35WGM774

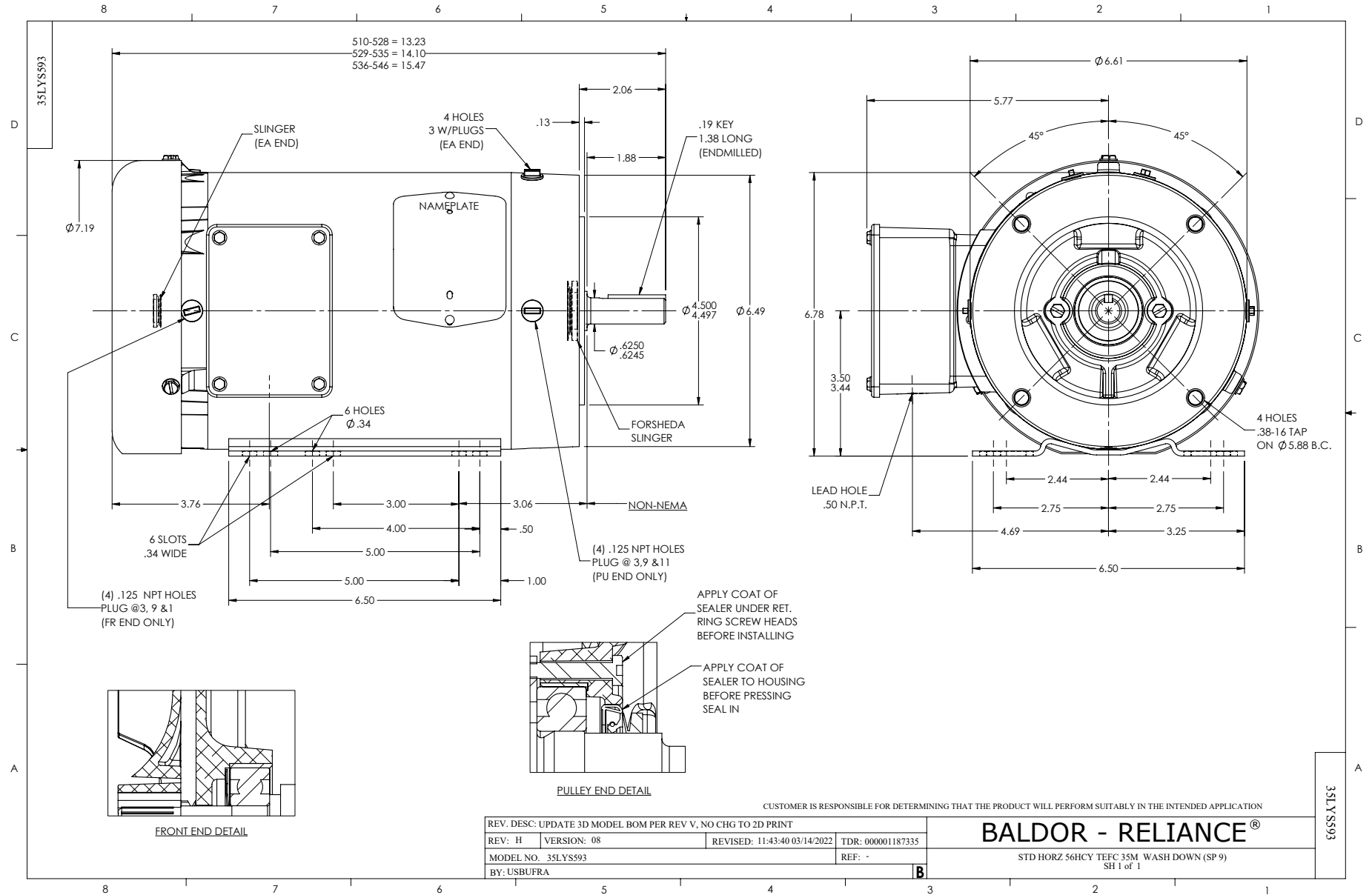
2 HP 3 PH 60 HZ 3490 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=14.2 PU=6.33 LR=11.2 LRA=25.9



3/28/2023 ACPERF, record # 52479



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS