

BALDOR • RELIANCE

Customer information packet

VFSFWDM3542-E

.75HP, 1760RPM, 3PH, 60HZ, 56C, 3522M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Stainless Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
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	2.600 A @ 230.0 V 2.600 A @ 208.0 V 1.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	H
Type	AC
Mech. spec.	35E4649
Base	
Status	PRD/A
Elec. spec.	35WGP564
Layout	35LYE4649
Eff. date	01-03-2023
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	05-10-2017

Heater Indicator	No Heater
High Voltage Full Load Amps	1.3 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Finish	UNPAINTED
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.96 IN
Power Factor	65
Product Family	WD All SS Encapsulated
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	No Slinger
Speed	1760 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

NP1951A01

CAT.NO.	VFSFWD3542-E						
SPEC.	35E4649P564G1						
HP	.75						
VOLTS	208-230/460						
AMP	2.6/1.3						
RPM	1760						
FRAME	56C		HZ	60		PH	3
SER.F.	1.15	CODE	N	DES	B	CLASS	H
NEMA-NOM-EFF	84	PF	65				
RATING	40C AMB-CONT						
CC	USABLE AT 208V						
DE	6205	ODE	6205				
ENCL	TEFC	SN					
	4:1CT, 10:1VT						

AC Induction Motor Performance Data

Record # 63670

Typical performance - not guaranteed values

Winding: 35WGP564-R004		Type: 3522M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75	Full Load Torque	2.24 LB-FT	
Volts	208-230/460	Start Configuration	direct on line	
Full Load Amps	2.6/1.3	Breakdown Torque	11.1 LB-FT	
R.P.M.	1760	Pull-up Torque	5.62 LB-FT	
Hz	60	Locked-rotor Torque	8.1 LB-FT	
NEMA Design Code	B	Starting Current	11.1 A	
Service Factor (S.F.)	1.15	No-load Current	0.774 A	
NEMA Nom. Eff.	84	Line-line Res. @ 25°C	16 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	35°C	
S.F. Amps		Temp. Rise @ S.F. Load	45°C	
		Locked-rotor Power Factor	51.3	
		Rotor inertia	0.13 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	49	62	69	76	81	69
Efficiency	71.7	81	84.4	85.4	85.2	84.9	84
Speed	1790	1782	1774	1765	1755	1744	1752
Line amperes	0.808	0.891	1.01	1.19	1.36	1.54	1.39

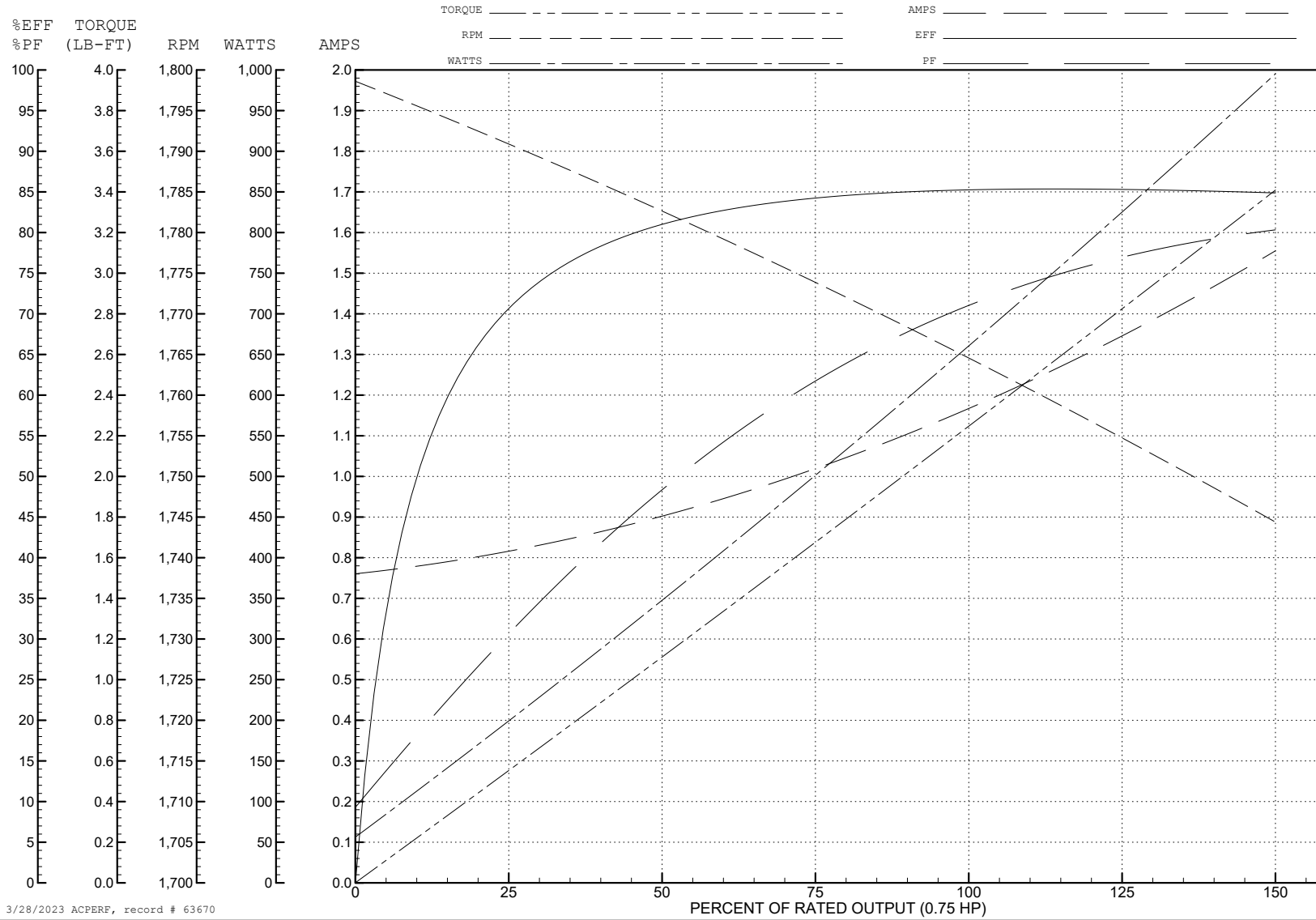
ABB Motors and Mechanical Inc.

WINDING # 35WGP564

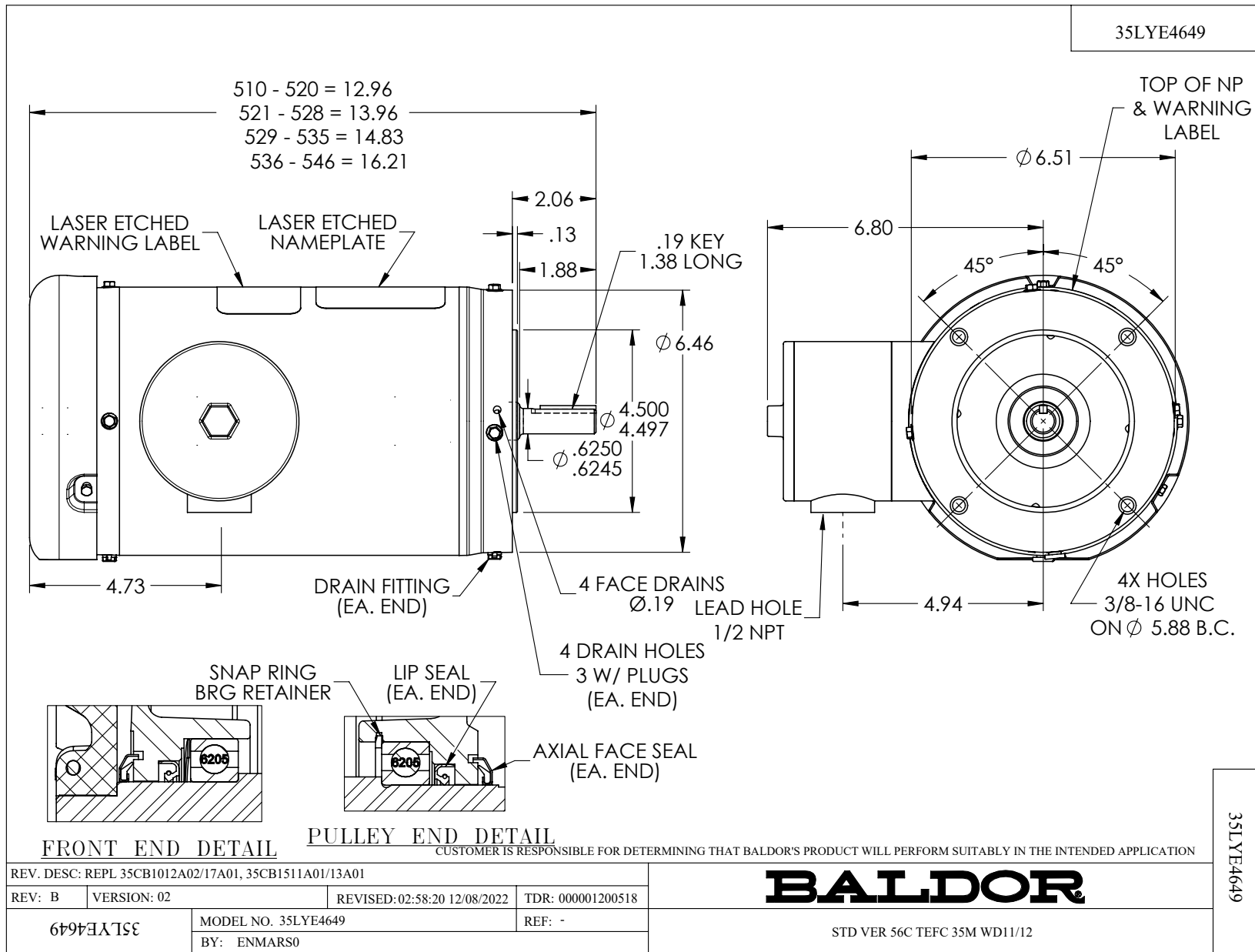
0.75 HP 3 PH 60 HZ 1760 RPM 460 V 3522M

Typical performance - not guaranteed values.

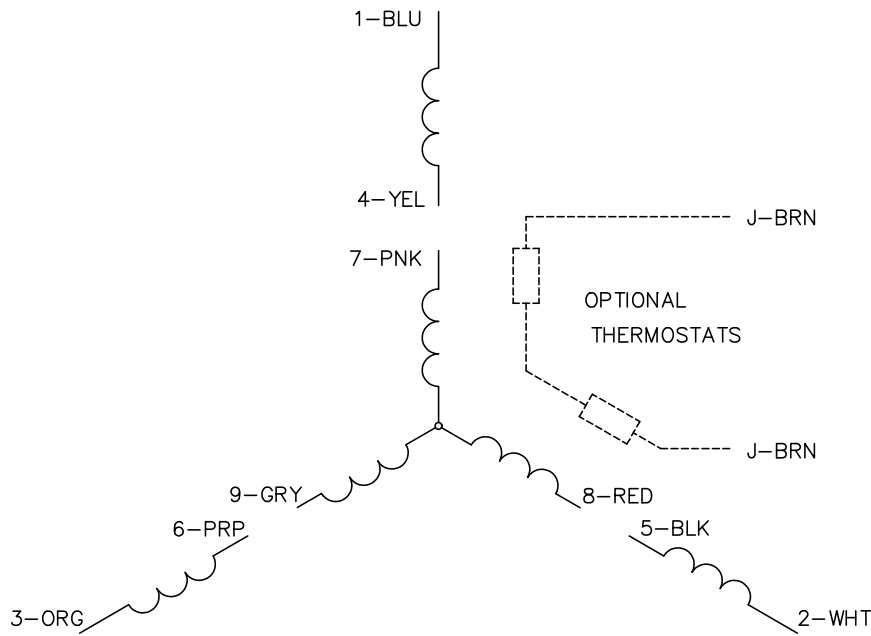
TORQUES (LB-FT): PO=11.1 PU=5.62 LR=8.1 LRA=11.1



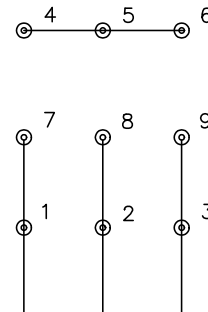
3/28/2023 ACPERF, record # 63670



CD0005

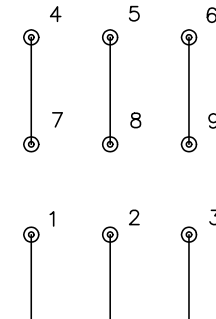


LOW VOLTAGE
(2Y)



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