



Customer information packet

39R006W946G1

15HP, 1765RPM, 3PH, 60HZ, 254T, 3938M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	254T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA
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	14.100 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	14.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part detail

Revision	M
Type	AC
Mech. spec.	39R006
Base	
Status	INA/A
Elec. spec.	39WGW946
Layout	39LYR006
Eff. date	12-29-2020
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	01-05-2010

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3938M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	21.69 IN
Power Factor	86
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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

NP2094E06B03									
CAT.NO.									
SPEC.	39R006W946G1								
HP	15								
VOLTS	575								
AMPS	14.1								
RPM	1765								
FRAME	254T		HZ		60		PH		3
SER.F.	1.15	CODE	G	DES	B	CL	F		
NEMA-NOM-EFF	93		PF		86				
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V					N/A	
DE	6309		ODE		6208				
AUTO		MANUAL			NONE				
ENCL	OPSB	SN							
BLANK									

Parts list

Part number	Description	Quantity
SA189388	SA 39R006W946G1	1.000 ea
RA177099	RA 39R006W946G1	1.000 ea
S/P107-000-006	SUPER-E(284 FR. & UP)-ZK PLANT,POLYREX E	1.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 ea
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	2.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
39EP3201A23	PU ENDPLATE, MACH W/AEGIS SH RING MTG	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	2.000 ea
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	3.000 ea
XY3816A12	3/8-16 FINISHED NUT W/SERRATIONS	8.000 ea
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.030 lb
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 ea
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 ea
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 ga
LC0006	CONNECTION LABEL	1.000 ea
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 ea
39PA1000	PACKAGING GROUP 39 PRINT	1.000 ea
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 ea

AC Induction Motor Performance Data

Record # 13004

Typical performance - not guaranteed values

Winding: 39WGW946-R001				Type: 3938M		Enclosure: OPSB	
Nameplate Data				575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		15		Full Load Torque		44.6 LB-FT	
Volts		575		Start Configuration		direct on line	
Full Load Amps		14.1		Breakdown Torque		171 LB-FT	
R.P.M.		1765		Pull-up Torque		78.7 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		B		KVA Code		G	
Service Factor (S.F.)		1.15		Starting Current		94 A	
NEMA Nom. Eff.		93		Power Factor		86	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	
						Rotor inertia	

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	77	86	85	86	85
Efficiency	90.1	93.3	93.5	93.1	92.2	91	92.6
Speed	1792	1784	1775	1765	1754	1742	1759
Line amperes	7.37	9.3	11.8	14.1	17.9	21.3	16.38

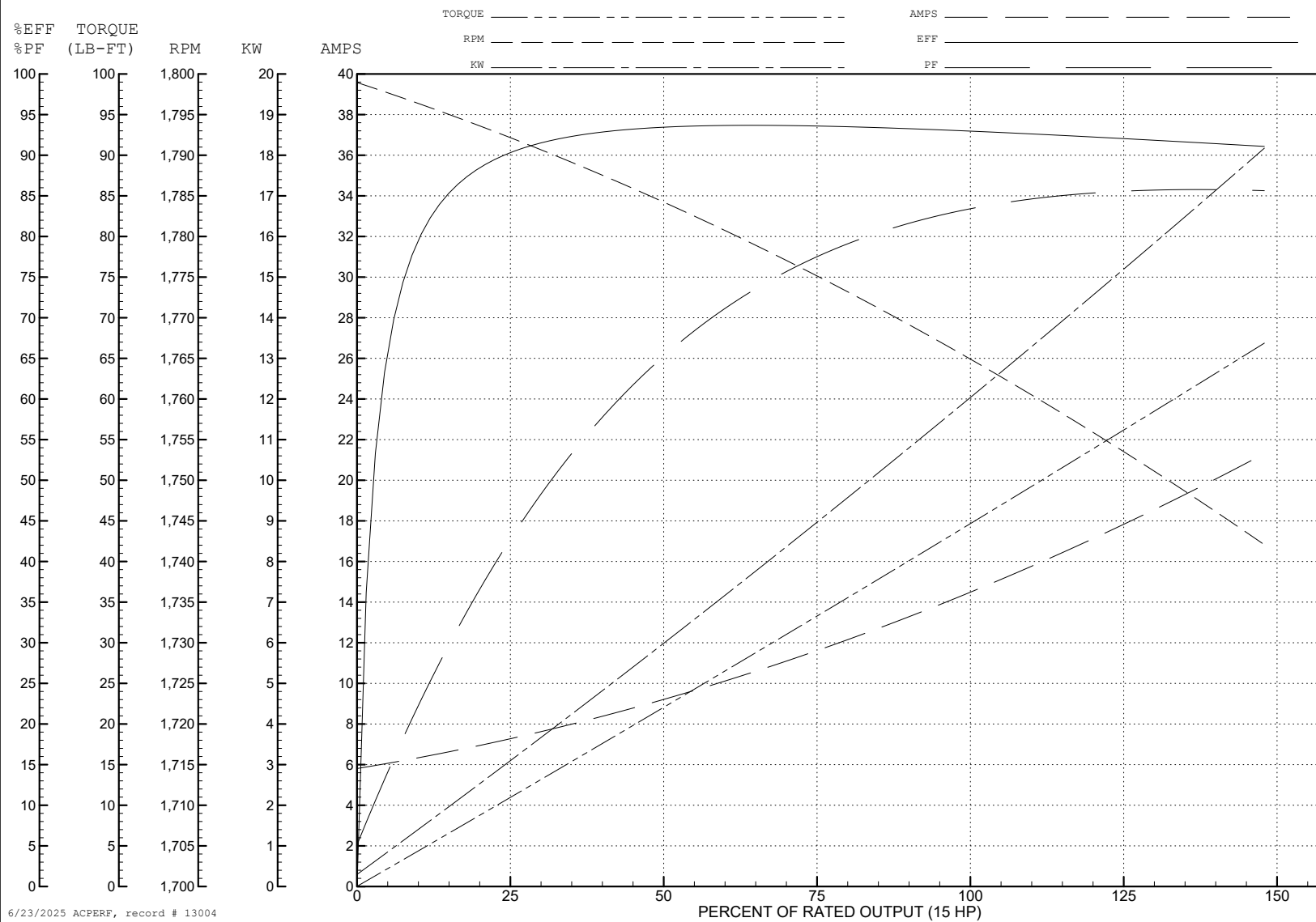
ABB Motors and Mechanical Inc.

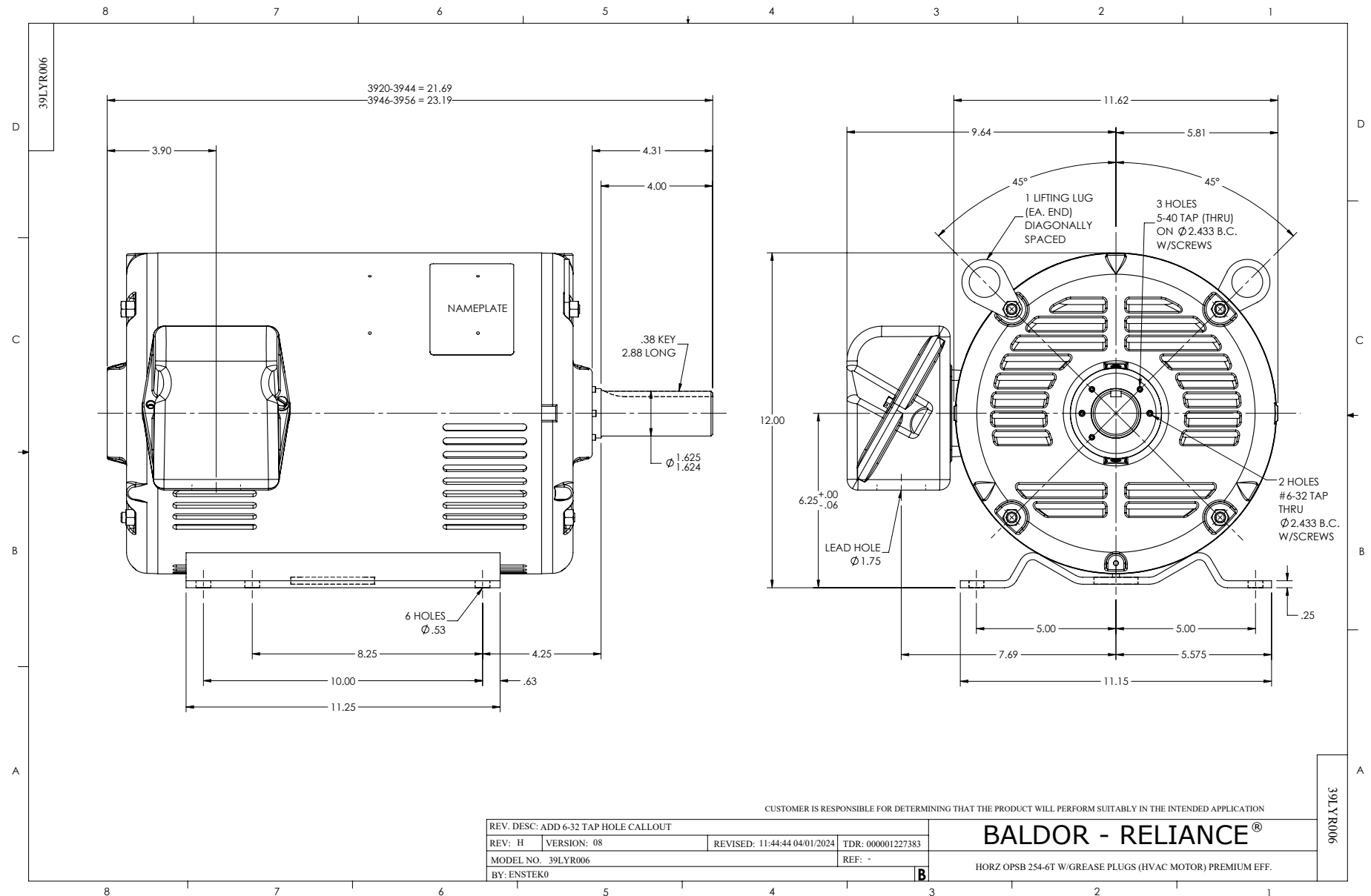
WINDING # 39WGW946

Typical performance - not guaranteed values.

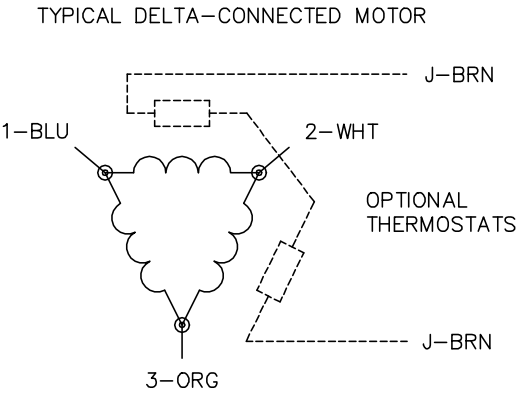
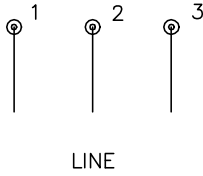
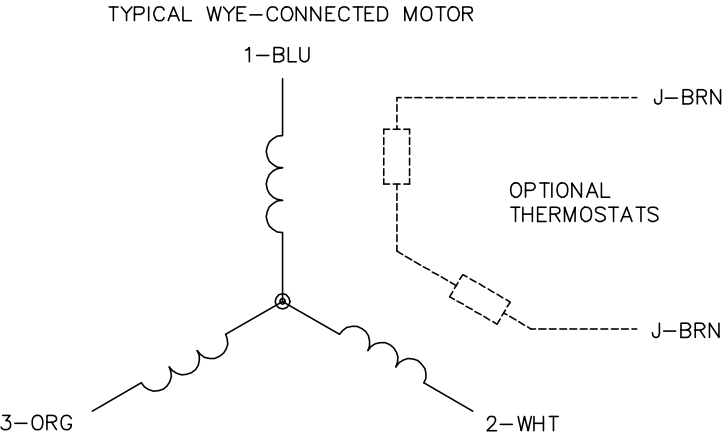
15 HP 3 PH 60 HZ 1765 RPM 575 V 3938M

TORQUES (LB-FT): PO=171 PU=78.7 LR=99.4 LRA=94





CD0006



- 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		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10: 24: 49 02/19/2019	BY: ENBRIRO
MTL: —		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1