



Customer information packet

JMEWDM23934T

20HP, 1765RPM, 3PH, 60HZ, 256JM, 3952M, TEFC, F

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256JM
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Division	Not Applicable
Agency Approvals	CSA EEV 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	24.000 A @ 460.0 V 48.000 A @ 230.0 V 52.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	Y
Type	AC
Mech. spec.	39K68
Base	
Status	PRD/A
Elec. spec.	39WGW766
Layout	39LYK068
Eff. date	02-14-2024
CD Diagram	CD0180
Poles	04
Leads	9#12
Proprietary	False
Created date	12-05-2014

High Voltage Full Load Amps	24.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3952M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	25.06 IN
Power Factor	84
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.750 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft 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

NP1669L									
CAT.NO.	JMEWDM23934T								
SPEC.	39K068W766G1								
HP	20								
VOLTS	230/460								
AMP	48/24								
RPM	1765								
FRAME	256JM		HZ	60		PH	3		
SER.F.	1.15	CODE	H	DES	A	CLASS	F		
NEMA-NOM-EFF	93	PF	84						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	ODE	6208						
ENCL	TEFC	SN							
BLANK	20:1CT, 20:1VT, 1.00SF								

Parts list

Part number	Description	Quantity
SA290807	SA 39K068W766G1	1.000 ea
RA276962	RA 39K068W766G1	1.000 ea
HA6016P	ADAPTER, CAST CONDUIT BOX EPOXY PRIMER	1.000 ea
09GS1006	GASKET, CONDUIT BOX, NEOP-1/16 THICK-BLA	1.000 ea
09CB3002A01P	CB MACH - 1.25 N.P.T. LEAD HOLE W/EPOXY	1.000 ea
09GS1017	GASKET, CONDUIT BOX, .125 THICK BLACK NE	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 ea
39EP1100A08WP	FR ENDPLATE, MACH W/WHITE EPOXY, PRIMED	1.000 ea
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.503 ID	1.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 ea
39EP1500A06P	PU ENDPLATE, MACH W/EPOXY PRIMER	1.000 ea
HW4600A27	SEAL 1.750 X 2.441 X 0.313 SINGLE LIP	1.000 ea
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 ea
HW3100S01	3/8-16 X 17.25 S.S. ALL THREAD ROD	4.000 ea
XY3816S12	3/8-16 HEX FINISHED NUT SS	8.000 ea
HA2101A05	SS SPACER,SCH 40,.25" SS PIPE,.625" LONG	3.000 ea
10XN2520S20	1/4-20X 1 1/4 HEX HD CAP SS	3.000 ea
09CB3501P	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 ea
19XT2520S12	1/4-20X3/4 HWH NO SLOT TY.23 18-8 S.S.	2.000 ea
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 ea
HW2502E18	#303 SS,SQ KEY 1/4 X 2.000	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.016 qt
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.025 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.085 lb

HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 ea
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 ea
09FH4000A23MWP	FAN COVER, MACH W/WHITE EPOXY	1.000 ea
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.050 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0181	CONNECTION LABEL	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
40PA1000	PACKAGING GROUP	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2100bx)4/22	1.000 ea
LD7020D09	LEAD SET, 12AWG, 9 LEAD, 20" LONG LEADS	1.000 ea

AC Induction Motor Performance Data

Record # 32188

Typical performance - not guaranteed values

Winding: 39WGW766-R006		Type: 3952M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20	Full Load Torque	60 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	48/24	Breakdown Torque	183 LB-FT	
R.P.M.	1765	Pull-up Torque	79 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	120 LB-FT
NEMA Design Code	A KVA Code	H	Starting Current	171 A
Service Factor (S.F.)	1.15	No-load Current	8.5 A	
NEMA Nom. Eff.	93 Power Factor	84	Line-line Res. @ 25°C	0.4083 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	70°C	
S.F. Amps		Temp. Rise @ S.F. Load	84°C	
		Locked-rotor Power Factor	32.6	
		Rotor inertia	2.27 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	79	84	86	87	85
Efficiency	89.6	92.9	93.5	93.2	92.5	91.6	92.8
Speed	1791	1784	1776	1767	1758	1748	1762
Line amperes	10.17	13.79	18.39	23.89	28.78	34.6	26.82

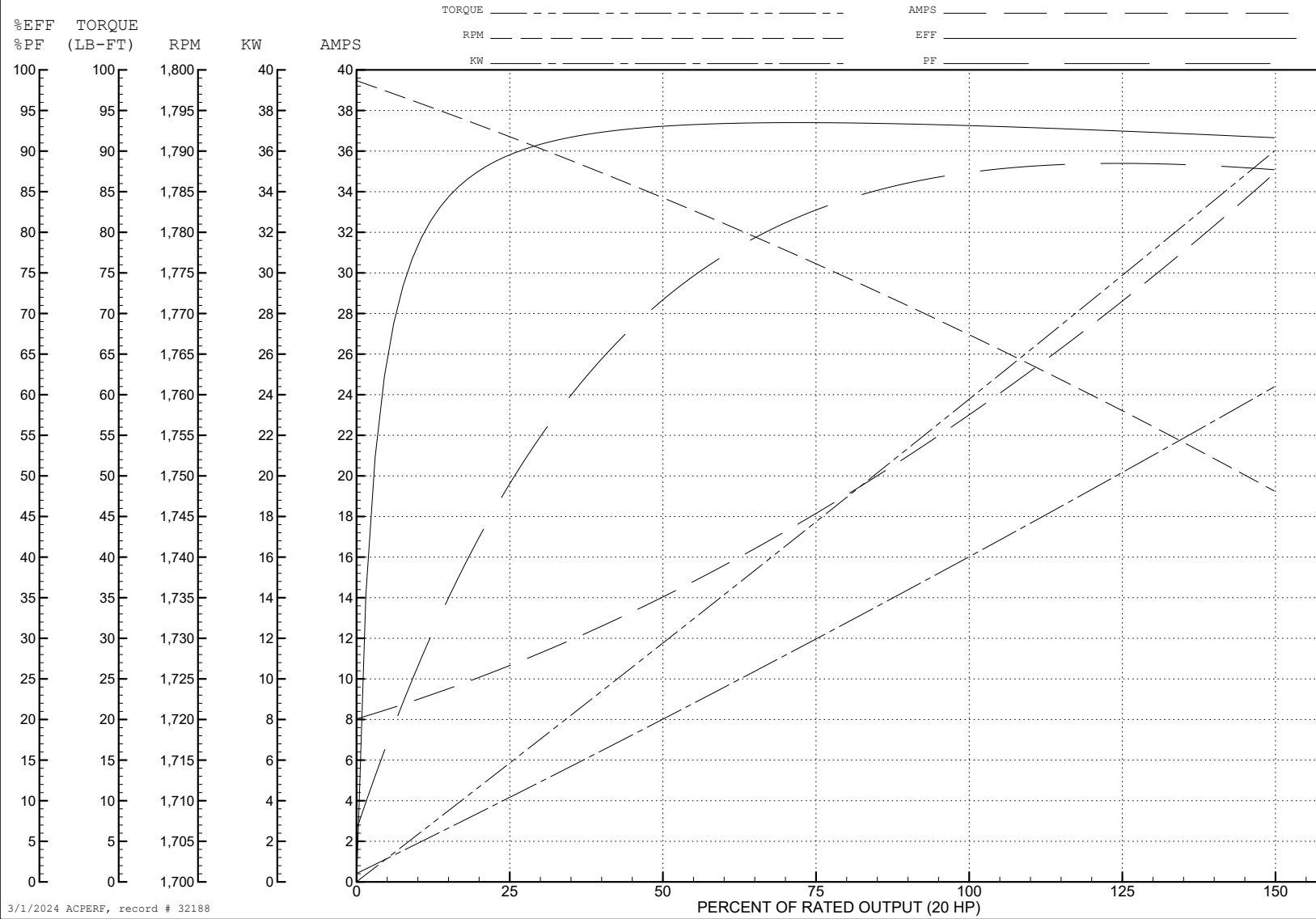
ABB Motors and Mechanical Inc.

WINDING # 39WG766

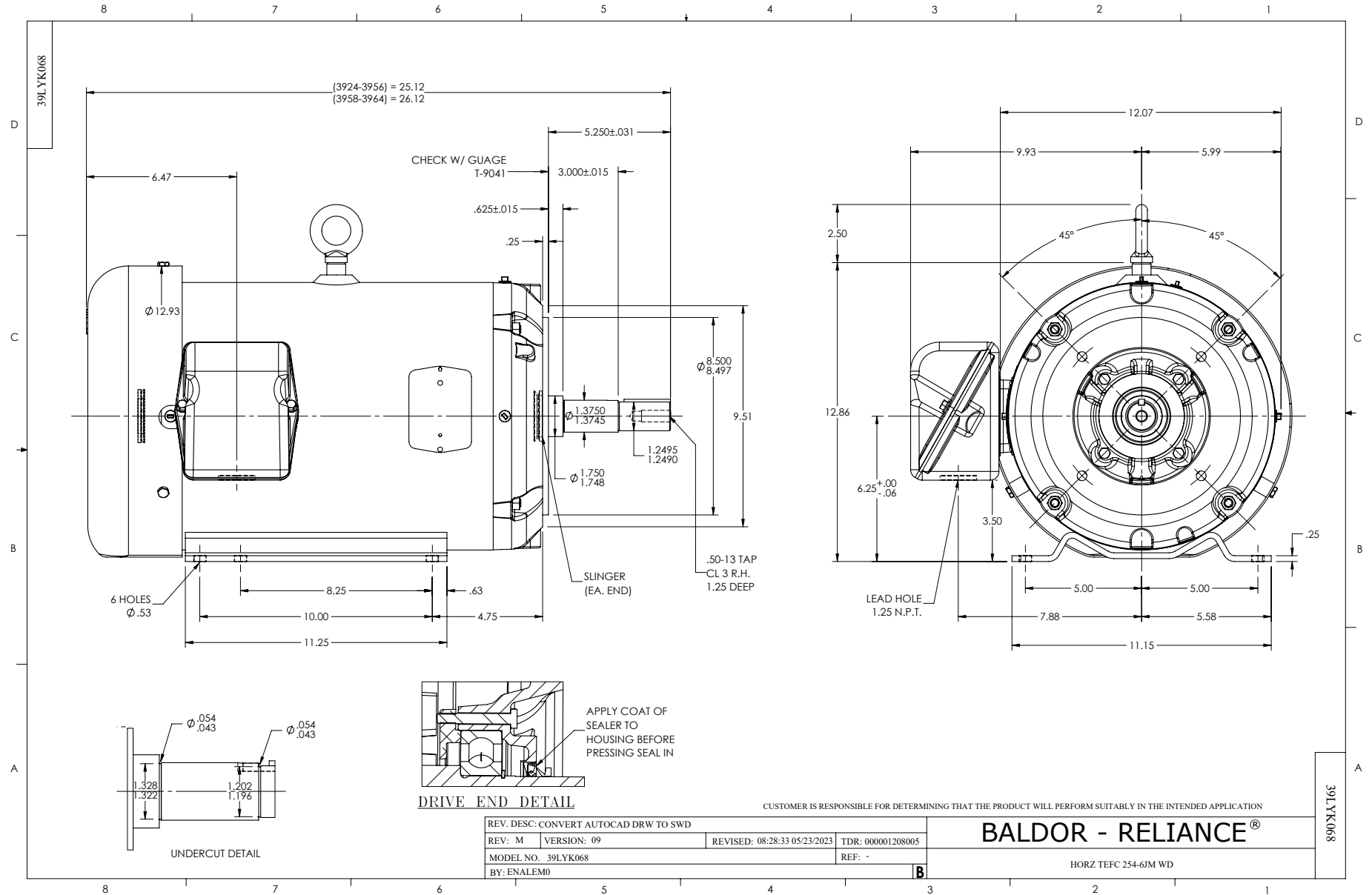
Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 1765 RPM 460 V 3952M

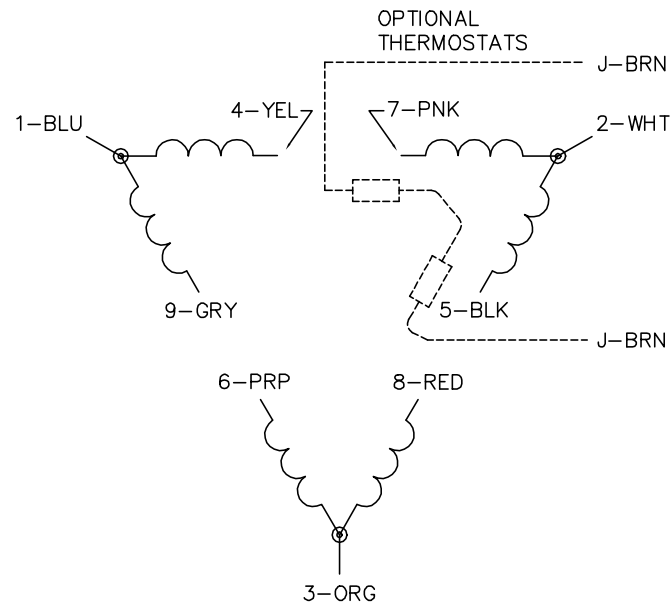
TORQUES (LB-FT): PO=183 PU=79 LR=120 LRA=171



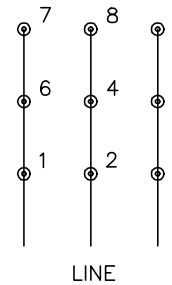
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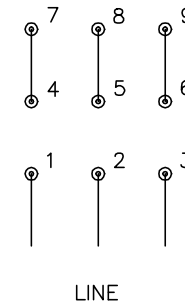
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
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FILE: \AAA\00005\148	REVISED: 10: 25: 29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

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