ABB BALDOR RELIANCE

Customer information packet

35S911P863G1

.33HP, 1750RPM, 3PH, 60HZ, 56C, 3512M, TENV, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56C
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	.330 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
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.400 A @ 230.0 V
	1.400 A @ 208.0 V
	.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	F
Type	AC
Mech. spec.	35S911
Base	
Status	INA/A
Elec. spec.	35WGP863
Layout	35LYS911
Eff. date	03-06-2021
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-25-2016

Heater Indicator	No Heater
High Voltage Full Load Amps	0.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	R
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	3512M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.06 IN
Power Factor	69
Product Family	Dirty Duty (Not For DC)
Pulley End Bearing Type	Ball
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	1750 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

NP1261L									
CAT.NO.									
SPEC.	35S911P863G1								
HP	.33								
VOLTS	208-230/460								
AMP	1.4/.7								
RPM	1750								
FRAME	56C	**HZ**	60	**PH**	3				
SER.F.	1.15	**CODE**	R	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	75.5	**PF**	69						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	TENV	**SN**							

AC Induction Motor Performance Data
Record # 77042
Typical performance - not guaranteed values

Winding: 35WGP863-R017	**Type:** 3512M	**Enclosure:** TENV

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.33	**Full Load Torque**	1.49 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			1.4/.7	**Breakdown Torque**	6.71 LB-FT
R.P.M.			1750	**Pull-up Torque**	4.67 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	5.31 LB-FT
NEMA Design Code	B	**KVA Code**	R	**Starting Current**	6.34 A
Service Factor (S.F.)			1.15	**No-load Current**	0.608 A
NEMA Nom. Eff.	75.5	**Power Factor**	69	**Line-line Res. @ 25ºC**	31.4 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps				**Temp. Rise @ S.F. Load**	65°C
				Locked-rotor Power Factor	73.8
				Rotor inertia	0.0709 LB-FT2

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	28	45	59	69	75	80	73
Efficiency	59.4	73.1	78.5	79.9	80.1	78.8	80
Speed	1788	1774	1759	1741	1722	1702	1730
Line amperes	0.624	0.669	0.744	0.844	0.957	1.1	0.912

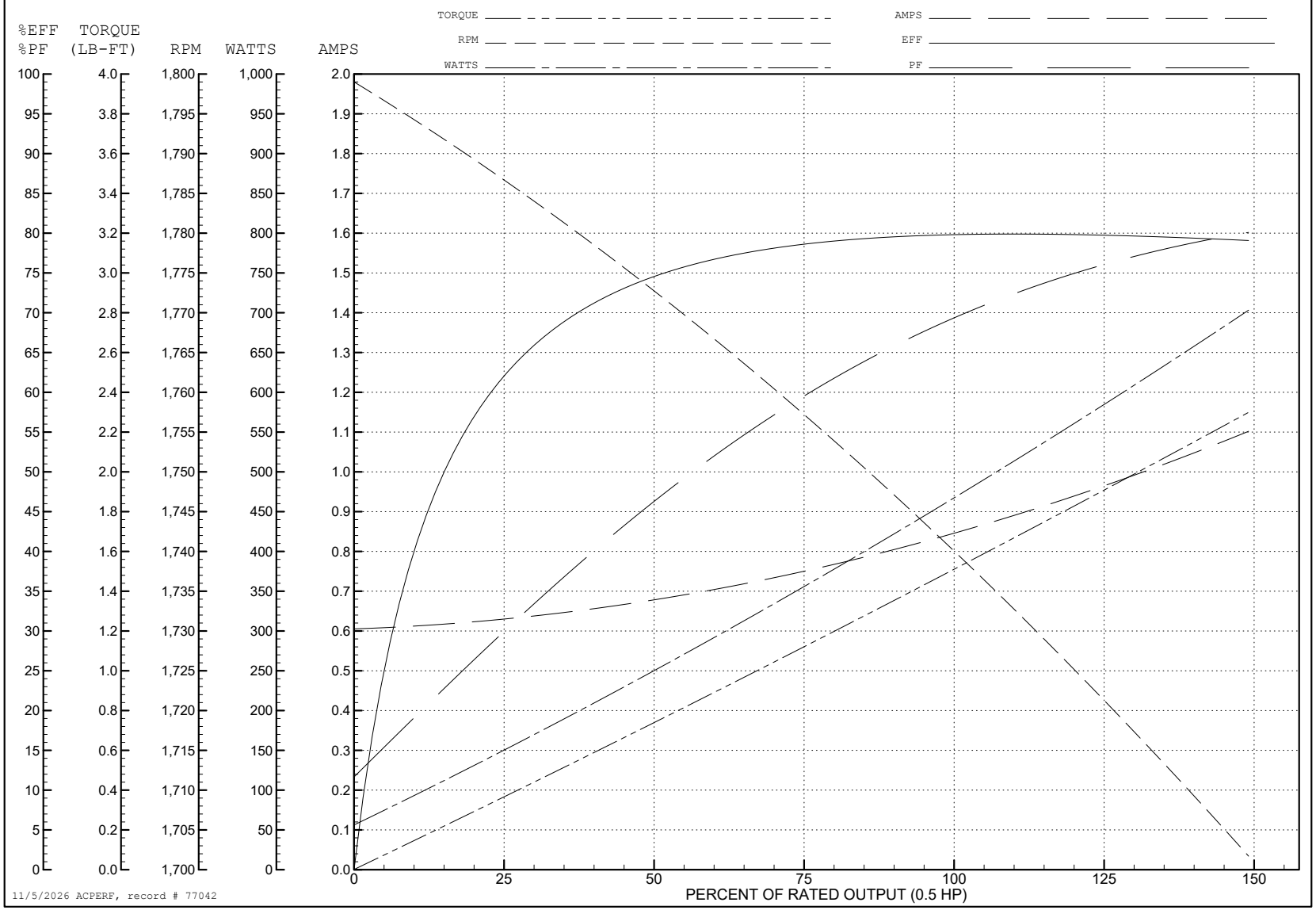
ABB Motors and Mechanical Inc.

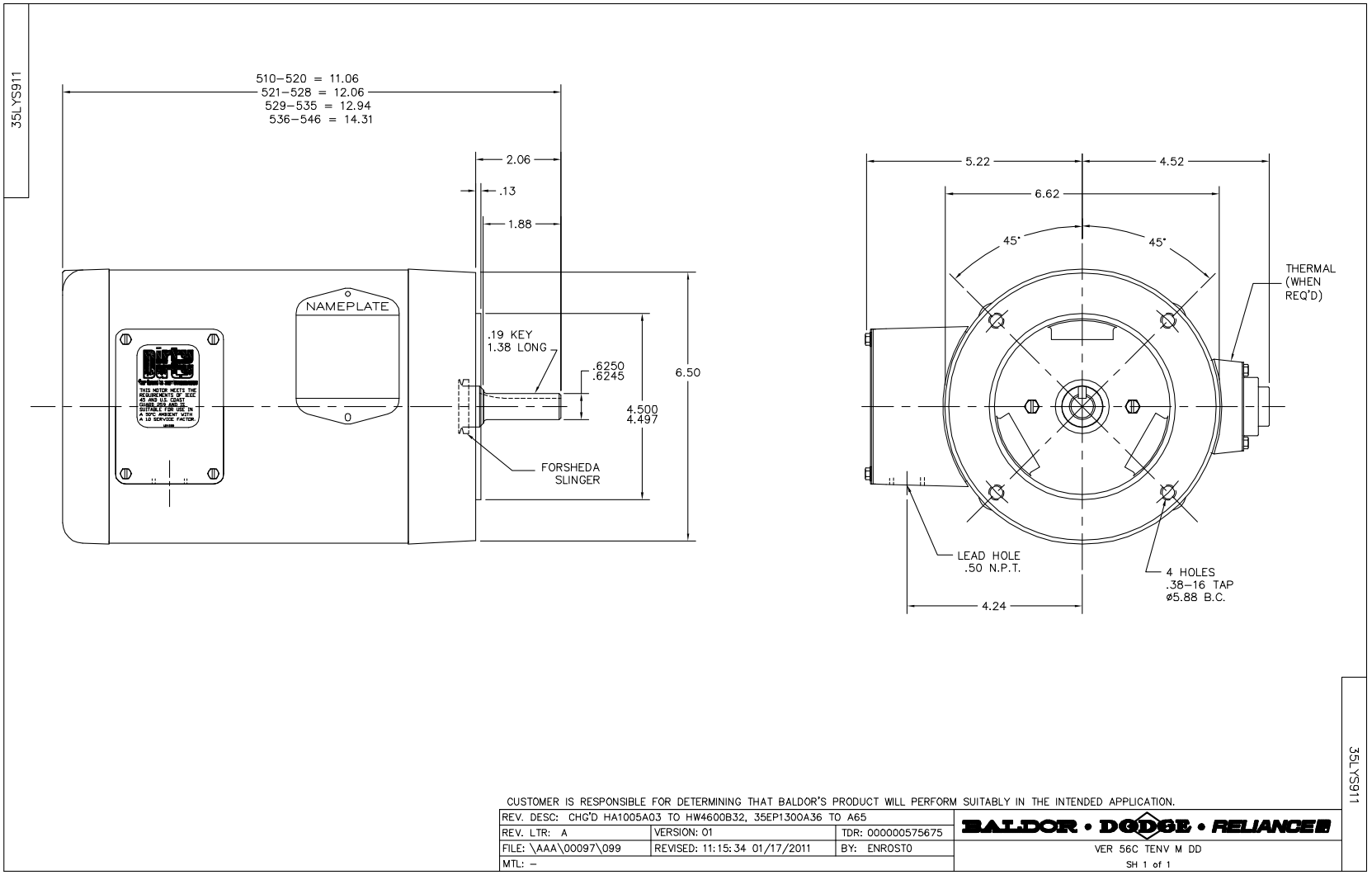
WINDING # 35WGP863

0.5 HP 3 PH 60 HZ 1750 RPM 460 V 3512M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=6.71 PU=4.67 LR=5.31 LRA=6.34





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

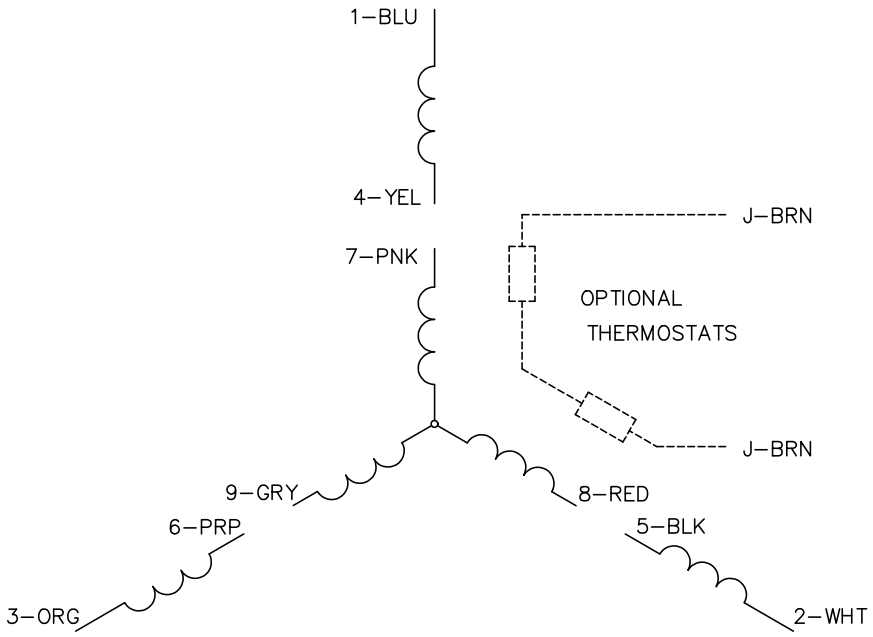
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MTL: –		

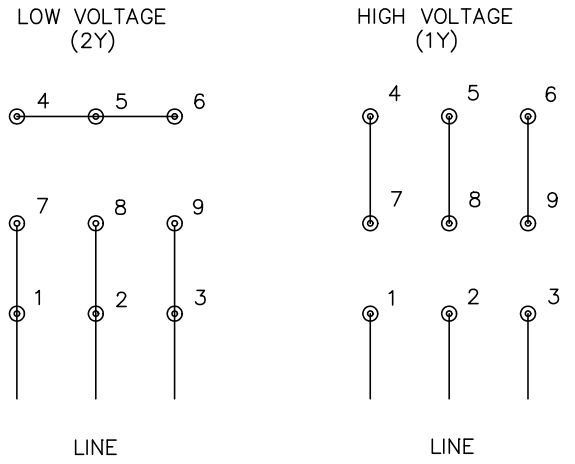
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VER 56C TENV M DD

SH 1 of 1

CD0005





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			BALDOR ELECTRIC Co.
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		MTL: –	3PH, DV, 9 LEADS