ABB BALDOR RELIANCE

Customer information packet

35J256-6199

1HP, 1140RPM, 3PH, 60HZ, 56Z, 3524M, TEAO, F1, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	56Z
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	3.600 A @ 208.0 V
	3.400 A @ 230.0 V
	1.700 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	Terminal Panel
Front Shaft Indicator	None

Part Detail

Revision	AB
Type	AC
Mech. spec.	35J256
Base	
Status	NLA/A
Elec. spec.	35WG6199
Layout	35LYJ256
Eff. date	12-16-2024
CD Diagram	CD0007
Poles	06
Leads	12#18
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.68 IN
Power Factor	69
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Special Combination
Rodent Screen	None
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	1140 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	Automatic Thermal Overload

Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

	NP1257L									
CAT.NO.										
SPEC.	35J256-6199									
HP	1									
VOLTS	208-230/460									
AMP	3.6-3.4/1.7									
RPM	1140									
FRAME	56Z		**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	G	**DES**	B	**CL**	B			
NEMA-NOM-EFF	75.5	**PF**	69							
RATING	40C AMB-CONT									
CC										
DE	6205	**ODE**	6203							
ENCL	TEAO	**SN**								

AC Induction Motor Performance Data
Record # 8229
Typical performance - not guaranteed values

Winding: 35WG6199-R001	**Type:** 3524M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	4.5 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.6-3.4/1.7	**Breakdown Torque**	14 LB-FT
R.P.M.			1140	**Pull-up Torque**	10.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	10.2 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	8 A
Service Factor (S.F.)			1.15	**No-load Current**	1.4 A
NEMA Nom. Eff.	75.5	**Power Factor**	69	**Line-line Res. @ 25ºC**	24.9 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	
				Locked-rotor Power Factor	69
				Rotor inertia	0.142 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	47	58	66	72	77	0
Efficiency	59.6	71.1	74.1	74.6	73.9	71.7	0
Speed	1186	1173	1160	1146	1131	1109	0
Line amperes	1.5	1.6	1.7	1.9	2.2	2.5	2.1

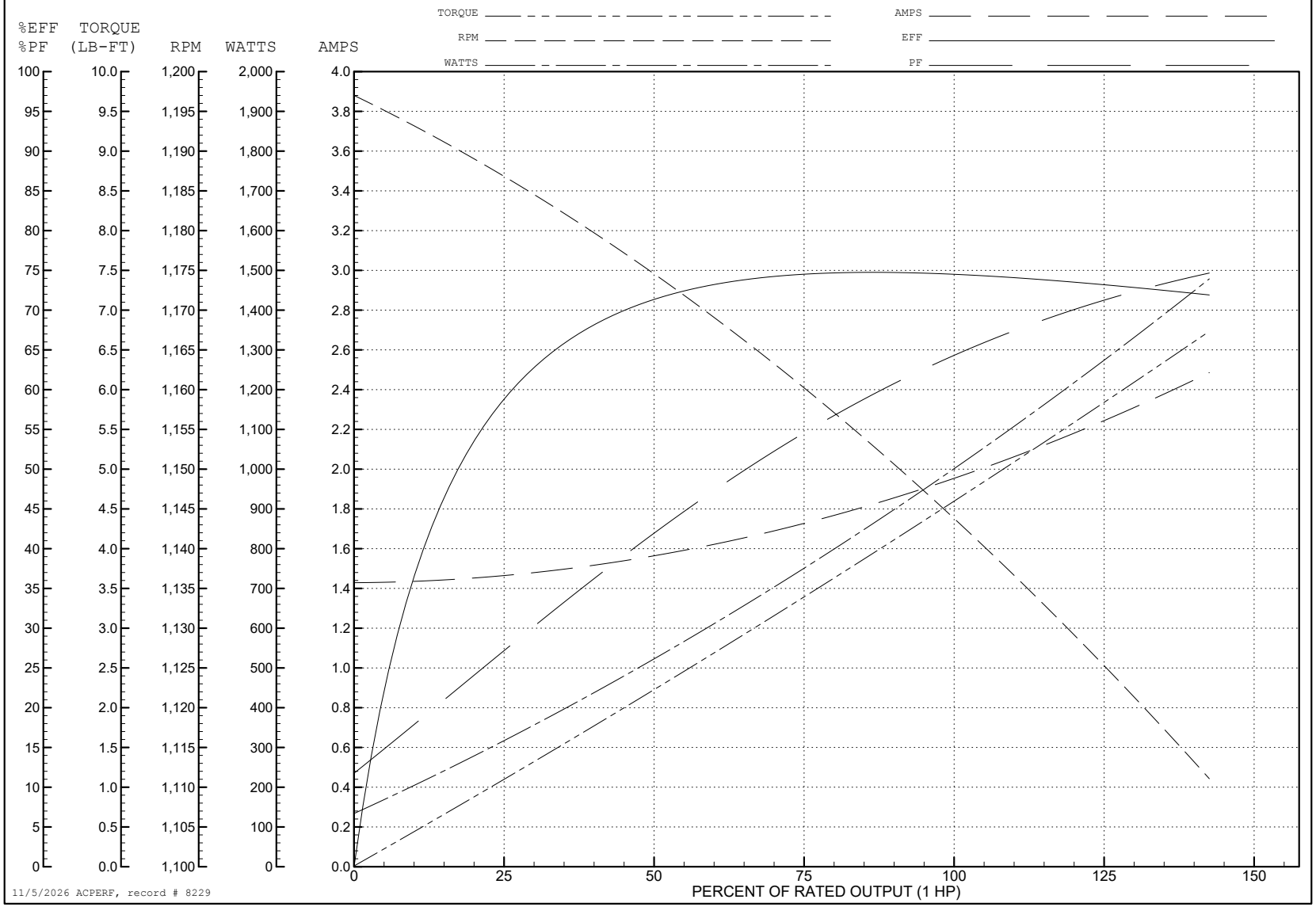
ABB Motors and Mechanical Inc.

WINDING # 35WG6199

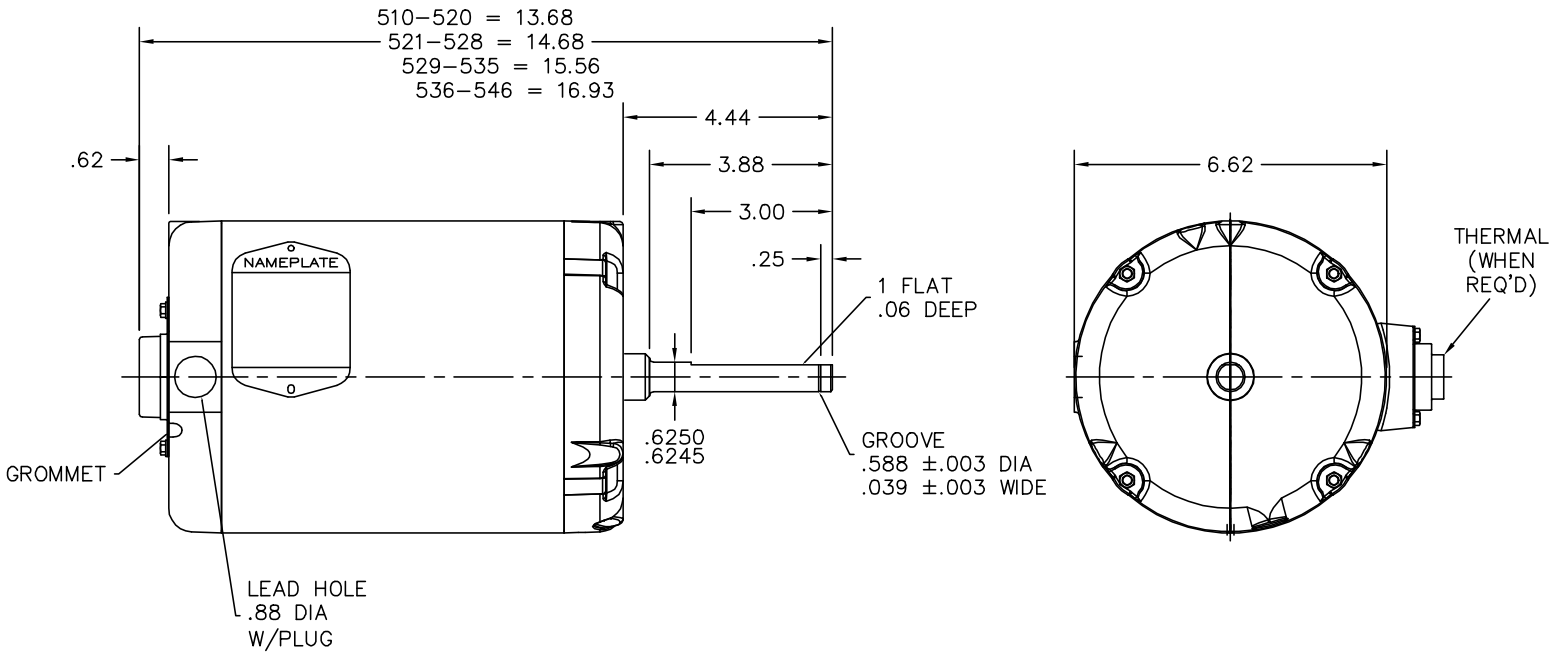
1 HP 3 PH 60 HZ 1140 RPM 460 V 3524M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=14 PU=10.2 LR=10.2 LRA=8



35LYJ256



35LYJ256

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

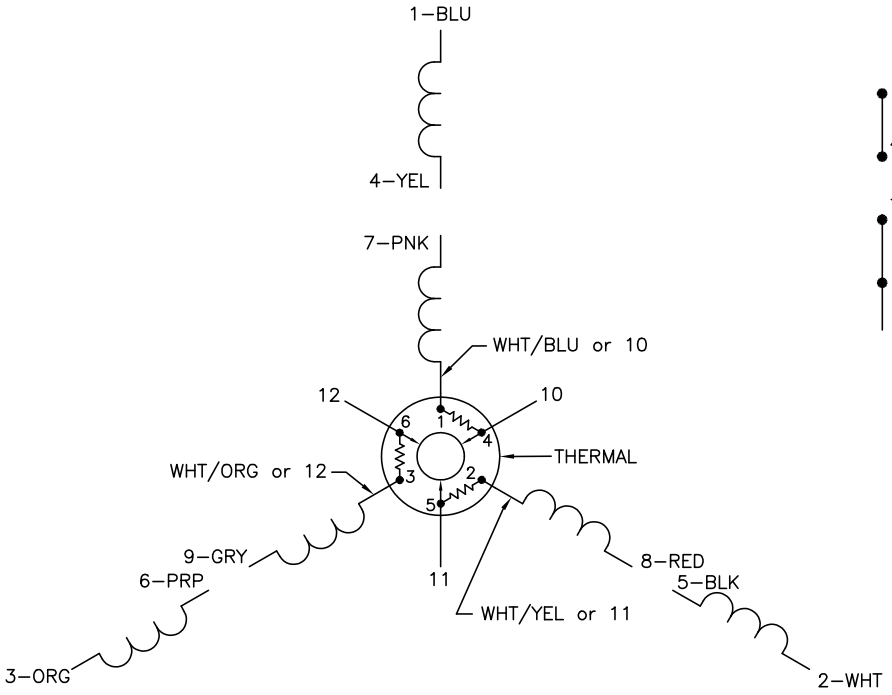
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REV. LTR: E	VERSION: 02	TDR: 000001064040
FILE: \AAA\00044\738	REVISED: 01:12:32 03/21/2018	BY: FPJEFGO
MTL: –		

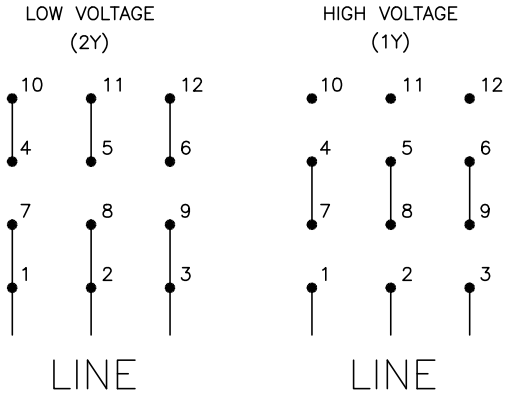
BALDOR - RELIANCE

HORZ (LESS BASE) 56Z TENV 35M TERM PANEL "V"=3.88 W/FLAT

SH 1 of 1

CD0007





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
CD0007		FILE: AAA00008370	MDL: –
		MTL: –	3PH, DV, THERMAL, 12 LEADS

CD0007