Customer information packet

CWDM3543-H

.75HP, 1180RPM, 3PH, 60HZ, 56HC, 3524M, TENV, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56HC
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	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.550 A @ 460.0 V
	2.900 A @ 208.0 V
	3.100 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.6 a

Part Detail

Revision	D
Type	AC
Mech. spec.	35E1081
Base	
Status	PRD/A
Elec. spec.	35WGG031
Layout	35LY-000-259
Eff. date	02-29-2024
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	02-23-2023

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	11.91 IN
Power Factor	55
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1180 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

NP1496L											
CAT.NO.	CWDM3543-H										
SPEC.	35E1081G031										
HP	.75										
VOLTS	230/460										
AMP	3.1/1.55										
RPM	1180										
FRAME	56HC		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	M	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF	81.7	**PF**	55								
RATING	40C AMB-CONT										
CC											
DE	6205		**ODE**								
ENCL	TENV	**SN**									
	SFA 3.3/1.65										

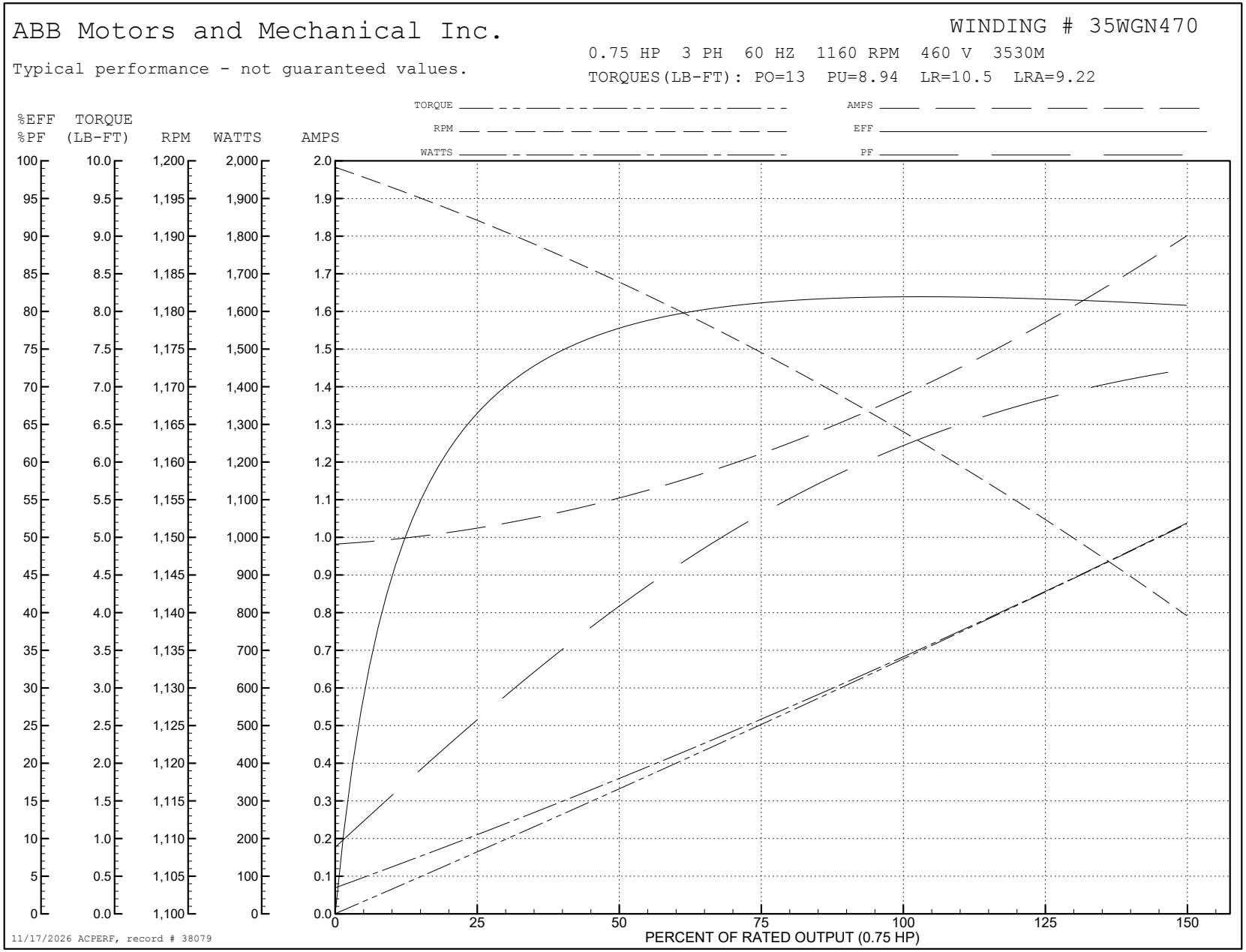
AC Induction Motor Performance Data
Record # 38079
Typical performance - not guaranteed values

Winding: 35WGN470-R001	**Type:** 3530M	**Enclosure:** TENV

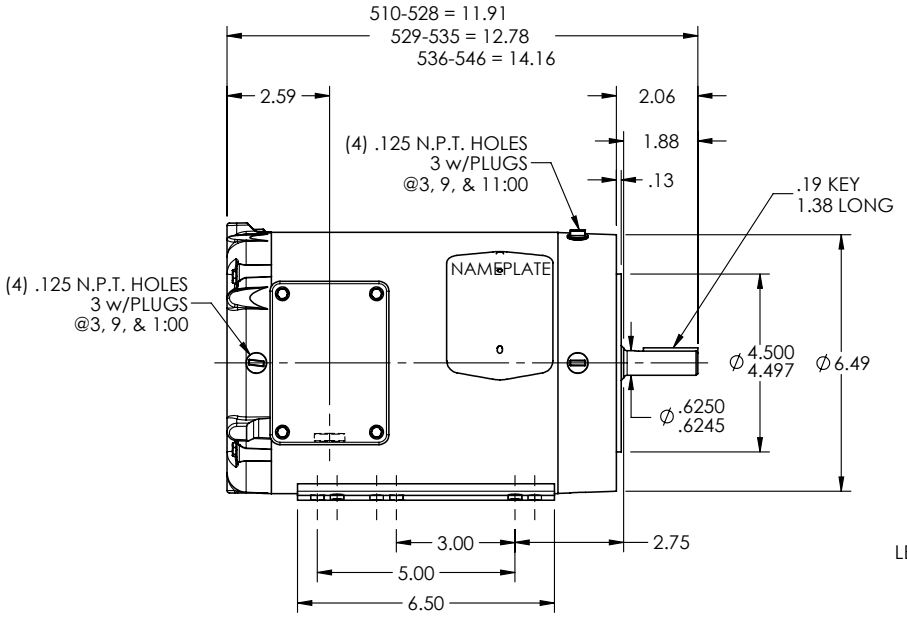
Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	3.39 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			2.8/1.4	**Breakdown Torque**	13 LB-FT
R.P.M.			1160	**Pull-up Torque**	8.94 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	10.5 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	9.22 A
Service Factor (S.F.)			1.15	**No-load Current**	0.985 A
NEMA Nom. Eff.	80	**Power Factor**	62	**Line-line Res. @ 25ºC**	17.427 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	86°C
S.F. Amps				**Temp. Rise @ S.F. Load**	102°C

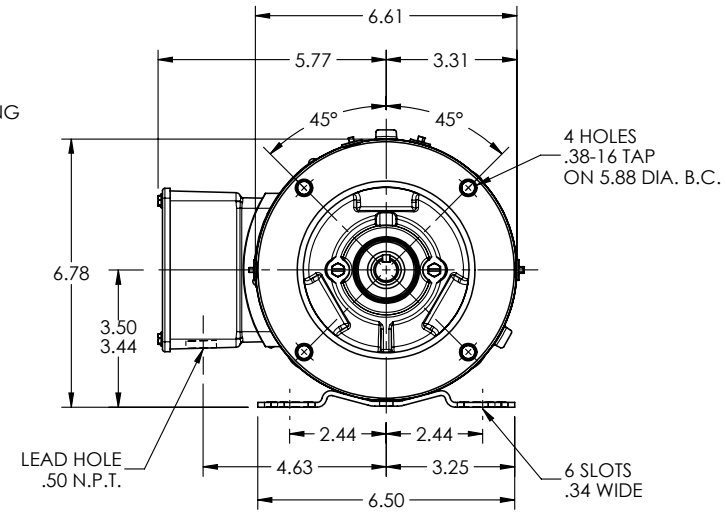
Load Characteristics 460 V, 60 Hz, 0.75 HP

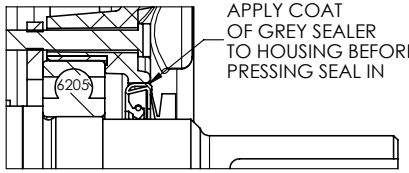
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	26	41	53	62	68	72	66
Efficiency	65.9	77.4	81.1	82.1	81.8	80.7	81.9
Speed	1192.6	1184	1174.1	1164	1152.3	1139.7	1157
Line amperes	1.02	1.1	1.23	1.38	1.57	1.8	1.49


ABB Motors and Mechanical Inc.
WINDING # 35WGN470
Typical performance - not guaranteed values.
0.75 HP 3 PH 60 HZ 1160 RPM 460 V 3530M
TORQUES(LB-FT): PO=13 PU=8.94 LR=10.5 LRA=9.22
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/17/2026 ACPERF, record # 38079

35LY-000-259







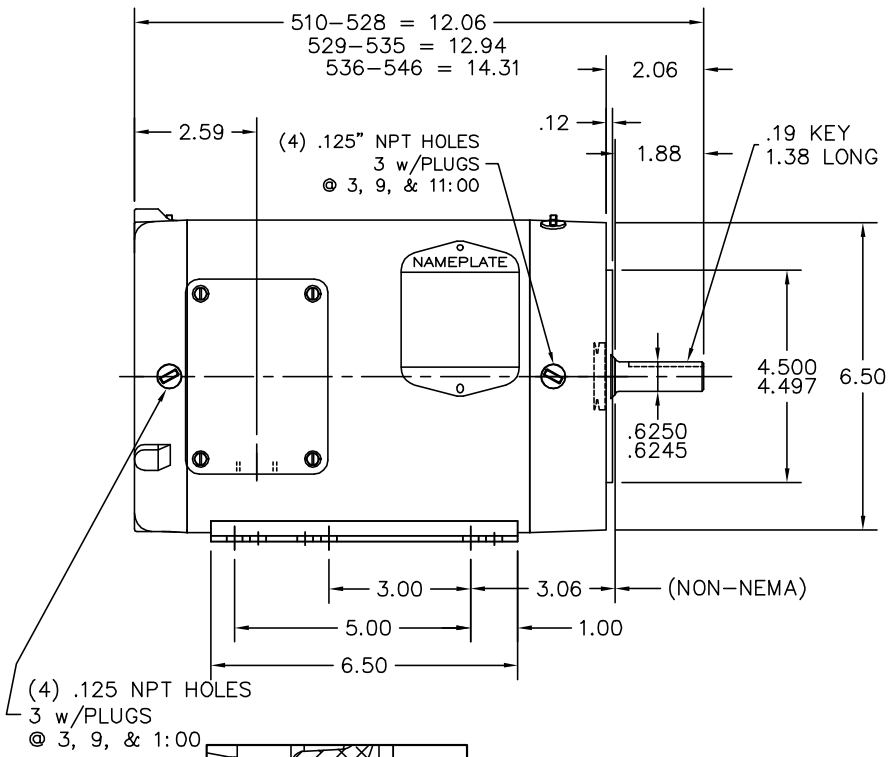
PULLEY END DETAIL

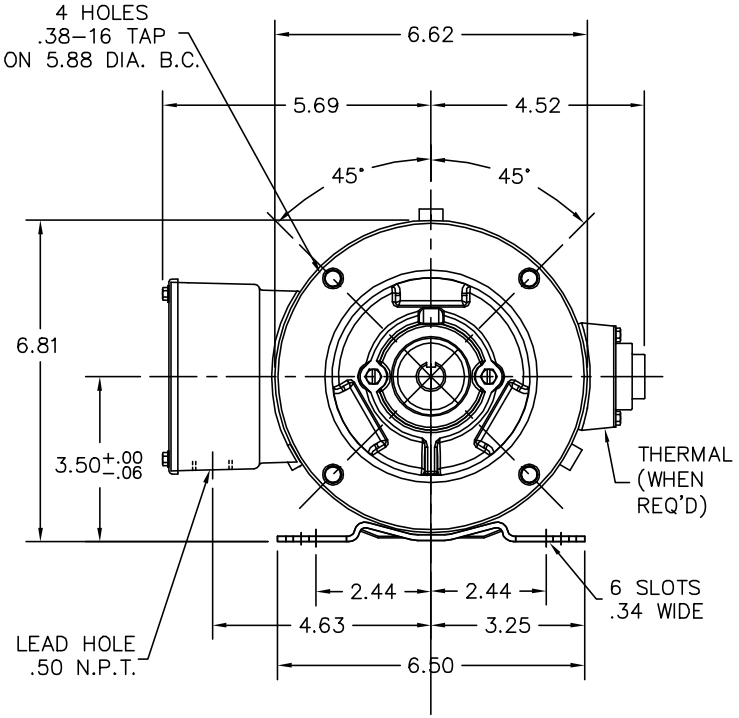
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

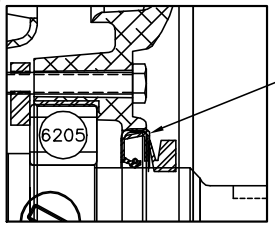
REV. DESC: UPDATE MATE ERRORS IN 3D MODEL				BALDOR - RELIANCE®
REV: A	VERSION: 01	REVISED: 08:47:50 04/21/2022	TDR: 000001188385	
35LY-000-259	MODEL NO. 35LY-000-259		REF: -	STD HORZ 56HC TENV 35M WD
	BY: USBUFRA			

35LY-000-259

35LYE1081







PULLEY END DETAIL

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

REV. DESC: UPDATE ENDPLATES AND NOTES		
REV. LTR: A	VERSION: 01	TDR: 000001076108
FILE: \AAA\00189\330	REVISED: 06:19:51 06/26/2018	BY: FGCHAH1
MTL: –		

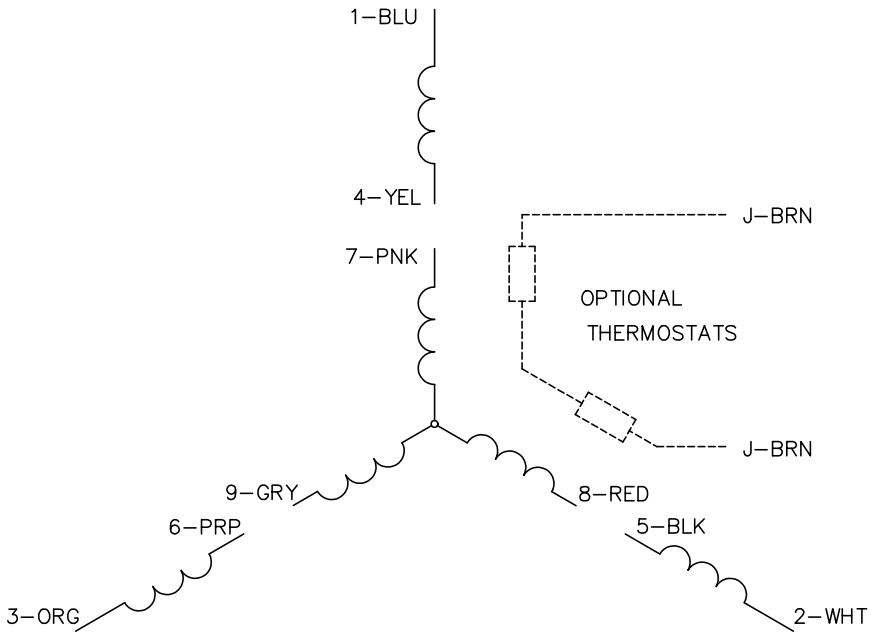
BALDOR - RELIANCE®

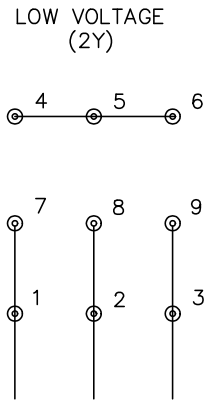
HORZ 56HC TENV 35M WD

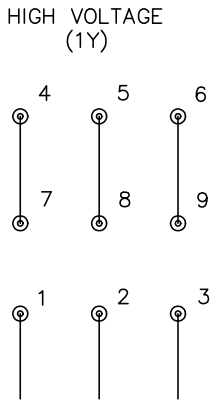
SH 1 of 1

35LYE1081

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.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS