

ABB BALDOR RELIANCE III

Customer information packet

GNEM2506T

7.5HP//5KW, 1185//985RPM, 3PH, 60//50HZ, 254

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	254T
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ 5.000 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE UKCA NEMA PREMIUM (OLD LOGO) NEMA PREMIUM IE3 CURUSEEV CE
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	26.200 A @ 190.0 V 25.600 A @ 208.0 V

Part Detail

Revision	C
Type	AC
Mech. spec.	39K57
Base	
Status	PRD/A
Elec. spec.	39WGY469
Layout	39LYK057
Eff. date	12-12-2025
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	04-19-2024

25.400 A @ 230.0 V

13.100 A @ 380.0 V

12.700 A @ 460.0 V

Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.7 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	M
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3956M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.19 IN
Power Factor	61
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding

Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 rpm 985 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

NP4304L

CAT.NO.	GNEM2506T				
SPEC.	39K057Y469G1				
HP	7.5HP//5KW	PH	3		
VOLTS	208-230/460//190/380				
AMPS	25.6-25.4/12.7//26.2/13.1				
R.P.M. (1/MIN)	1185//985	WT.	112KG	KG	
FRAME	254T	HZ	60//50	I.P.	22
SER.F.	1.15	CODE	M	DES.	A
NOM.EFF.	90.2//89.0	% (100%)			
P.F.	61	IC01, 10:1 VT			
RATING	40C AMB-S1 CONT	CC	010A		
DE	6309	ODE	6208		
ENCL	OPSB	SN			
	IE3-50HZ-89.6(75%) 87.5(50%)				
	IE3-60HZ-89.6(75%) 87.0(50%)				

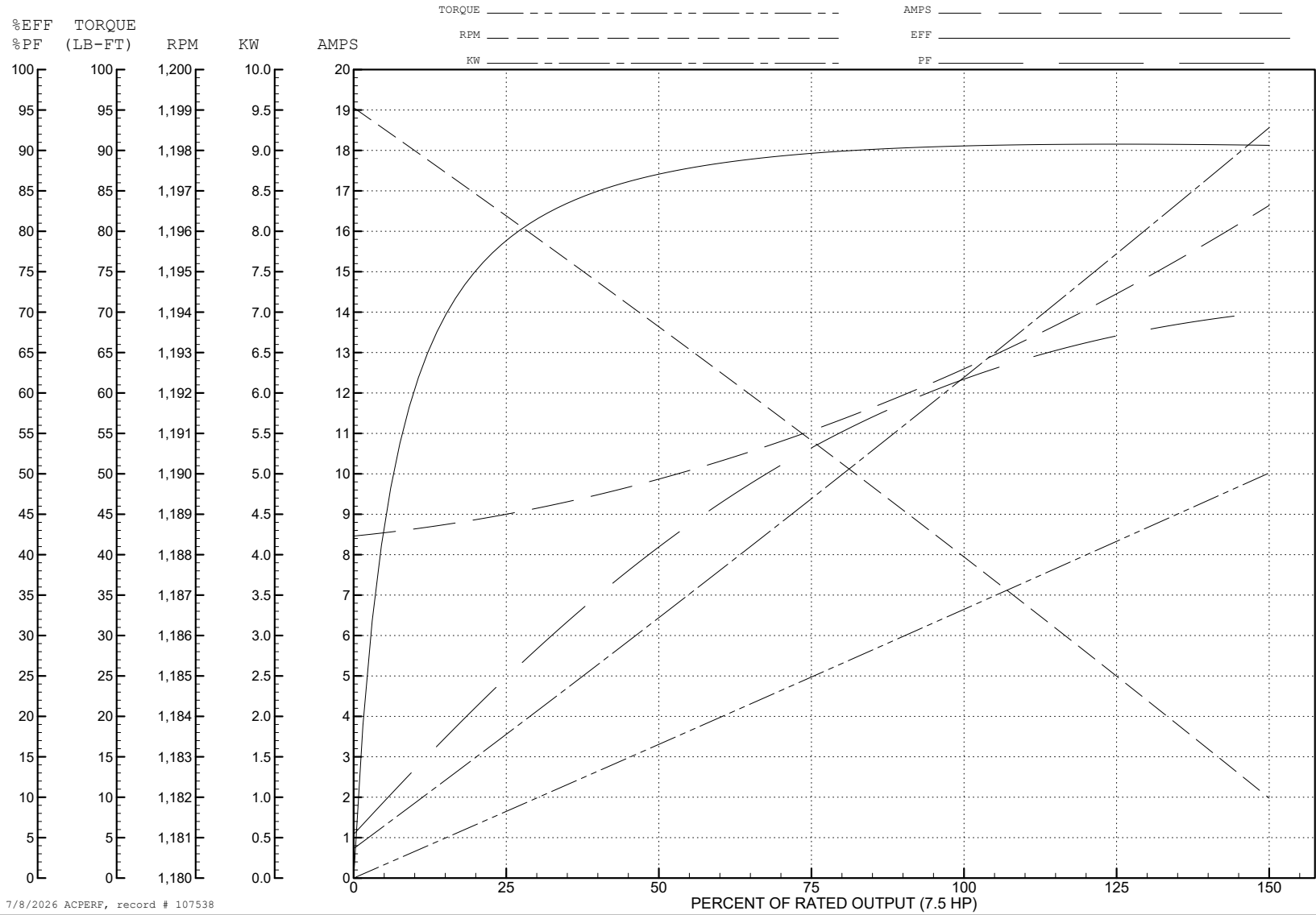
ABB Motors and Mechanical Inc.

WINDING # 39WGY469

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1187.7 RPM 460 V 3956M

TORQUES (LB-FT): PO=132 PU=71.2 LR=88 LRA=99.7



7/8/2026 ACPERF, record # 107538

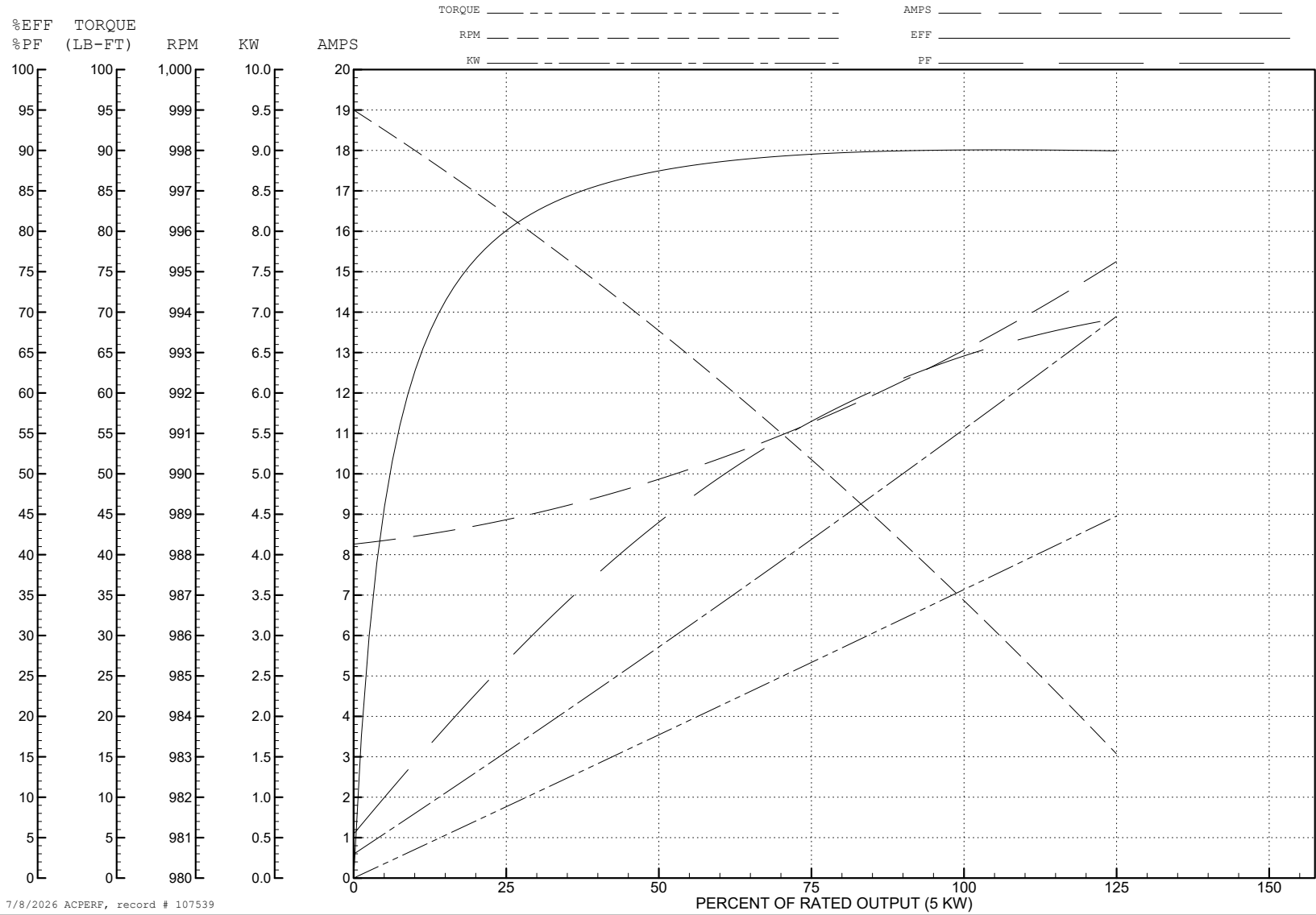
ABB Motors and Mechanical Inc.

WINDING # 39WGY469

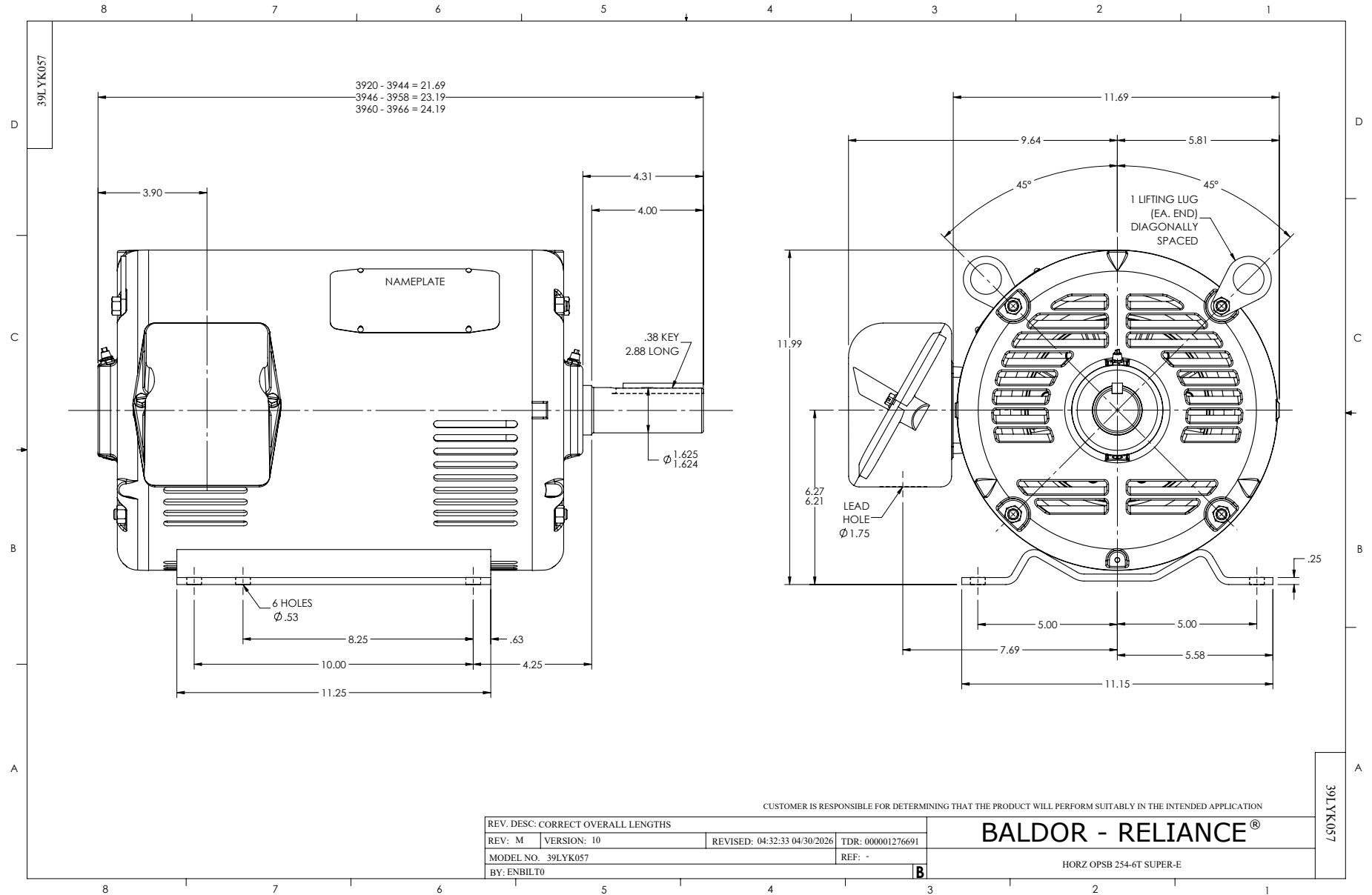
5 KW 3 PH 50 HZ 986.9 RPM 380 V 3956M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=132 PU=69.2 LR=80.6 LRA=94.6



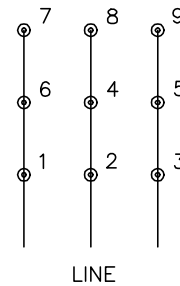
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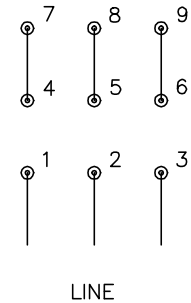
CD0180



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		
REV. LTR: D	VERSION: 01	TDR: 000001099922
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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