



Customer information packet

06J057X822G3

5HP, 3440RPM, 3PH, 60HZ, 184JM, 0642M, TEFC, F1

PFC EQUIPMENT INC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	184JM
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
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	5.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	Heater Included, 120 V
High Voltage Full Load Amps	5.7 a

Part detail

Revision	C
Type	AC
Mech. spec.	06J057
Base	
Status	PRD/A
Elec. spec.	06WGX822
Layout	06LYJ057
Eff. date	07-06-2023
CD Diagram	CD0006
Poles	02
Leads	3#16
Proprietary	False
Created date	01-13-2020

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.17 IN
Power Factor	94
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3440 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

NP4460										
CAT.NO.										
SPEC.	06J057X822G3									
HP	5			T. CODE			T3			
VOLTS	460									
AMPS	5.7									
R.P.M.	3440									
FRAME	184JM		HZ		60		PH		3	
SER.F.	1.15	CODE		J	DES.		B	CLASS		F
NEMA NOM. EFF.	88.5		P.F.		94					
GUAR. MIN. EFF.	86.5		CC		010A					
RATING	40C AMB-CONT									
DE	6207		ODE		6206					
ENCL	TEFC		SN							

NP2113

SPEC.	06J057X822G3		
MOTOR WEIGHT	123	# OF ROTOR BARS	28
GREASE	POLYREX EM		
MAX. KVAR		# OF STATOR SLOTS	36
DE BRG	35BC02XP30X		
ODE BRG	30BC02X30X		
BLANK			
HTR-VOLTS	120	HTR-AMPS	.31
HTR-WATTS	36	MAX. SPACE HEATER TEMP.	160C

Parts list

Part number	Description	Quantity
SA377844	SA 06J057X822G3	1.000 ea
RA367769	RA 06J057X822G3	1.000 ea
34FN3002A02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 ea
HW3201A05	3/8-16 EYEBOLT	1.000 ea
06CB1001A01G	CONDUIT BOX, MACH GRAY	1.000 ea
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 ea
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	2.000 ea
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	2.000 ea
06PE1132A02G	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4601B24	SEAL, 206 BRG, MINI66	1.000 ea
HW4500A32	FIT./EXT 1698-B (ALEMITE)GREASE FITTING	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4010A01	T-DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .0	1.000 ea
10XN1032A20	10-32 X 1 1/4 HEX HD ZN	4.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
36EP1302A50G	PU ENDPLATE, MACH, GRAY W/INPRO SEALS	1.000 ea
HW4601B25	INPRO SEAL, 307 BRG, MINI66	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4002A03	#304 S.S. DRAIN FITTING, .125 NPT (.44 H	1.000 ea
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HA3101A53	THRUBOLT 1/4-20 X 10.50	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
06FH1004A01G	FAN HOUSING MACH	1.000 ea

10XN2520A24	1/4-20X 1 1/2 HEX HD X	3.000 ea
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 ea
06CB1503A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 ea
06GS1009	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW2501D15	KEY, 3/16 X 1.625	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
MJ1000A73	INPRO P-80 ASSEMBLY LUB./ 1 QT. CONTAIN	0.010 qt
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LT0019A00	MOTOR NO-LOAD PERFORMANCE DATA SHEET	1.000 ea
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.010 ea
WD1000D21	TRM,T&B #B71M,RING,18-14,,25,NON-INSL	3.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN 8	0.028 ga
LB1449	DIV-2/NEC WARNING LABEL	1.000 ea
NP4460	SS IEEE841-2021 DIV-2 UL CSA-C US EEV	1.000 ea
NP2113	SS IEEE841 AUX DATA INFORMATION SURFACE	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea

AC Induction Motor Performance Data

Record # 71167

Typical performance - not guaranteed values

Winding: 06WGX822-R016			Type: 0642M	Enclosure: TEFC				
Nameplate Data			460 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		5	Full Load Torque		7.76 LB-FT			
Volts		460	Start Configuration		direct on line			
Full Load Amps		5.7	Breakdown Torque		33.5 LB-FT			
R.P.M.		3440	Pull-up Torque		13.42 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		22.86 LB-FT		
NEMA Design Code		B	KVA Code	J	Starting Current		45.42 A	
Service Factor (S.F.)		1.15	No-load Current		1.07 A			
NEMA Nom. Eff.		88.5	Power Factor		94	Line-line Res. @ 25°C		2.61 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		51°C	
S.F. Amps				Temp. Rise @ S.F. Load		65°C		
				Locked-rotor Power Factor		41.5		
				Rotor inertia		0.188 LB-FT2		

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	78	90	93	94	93	97	93
Efficiency	90.4	91.6	90.4	88.8	86.3	84.1	87.3
Speed	3559	3523	3481	3439	3384	3327	3406
Line amperes	1.8	2.92	4.25	5.68	7.33	8.75	6.67

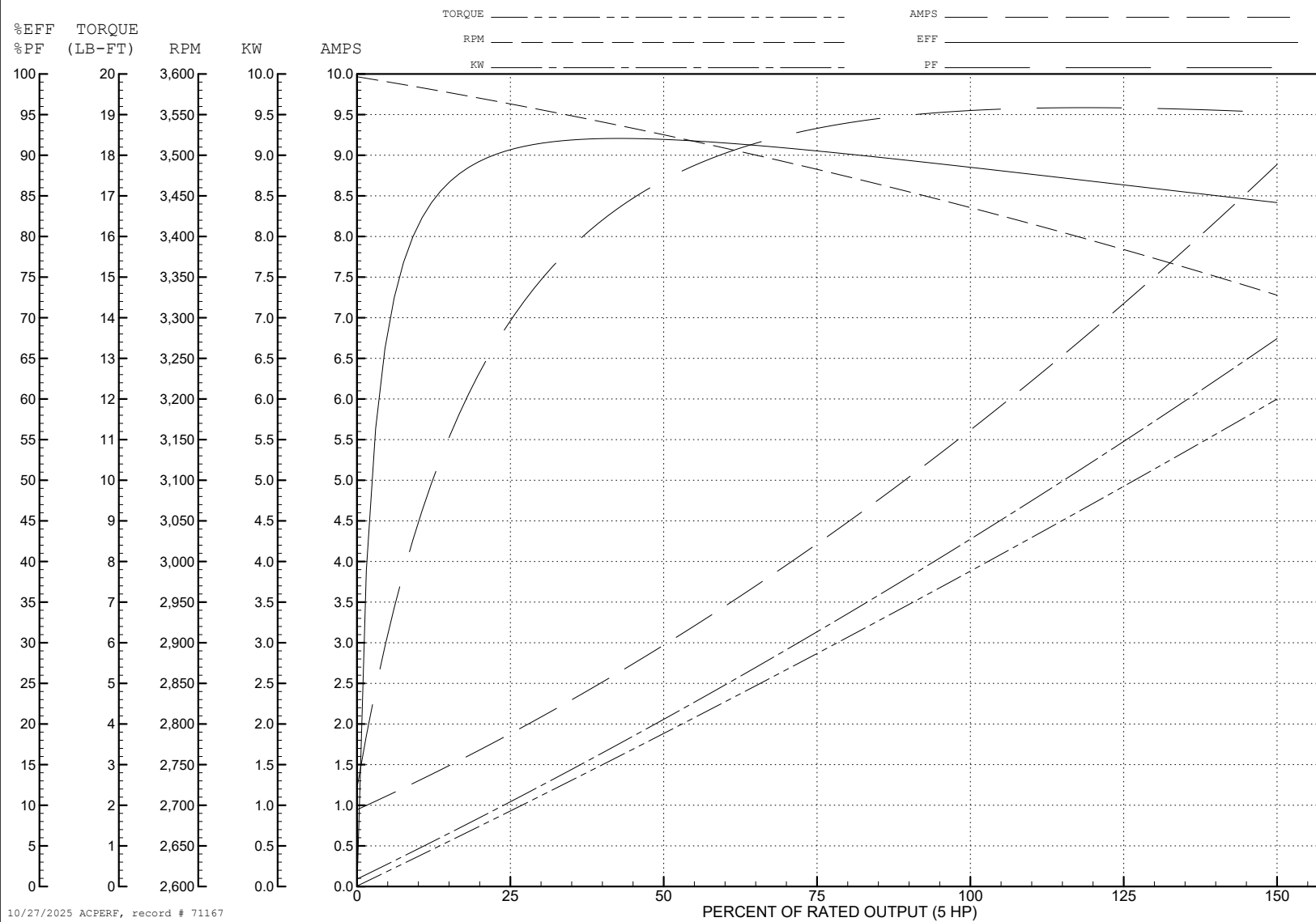
ABB Motors and Mechanical Inc.

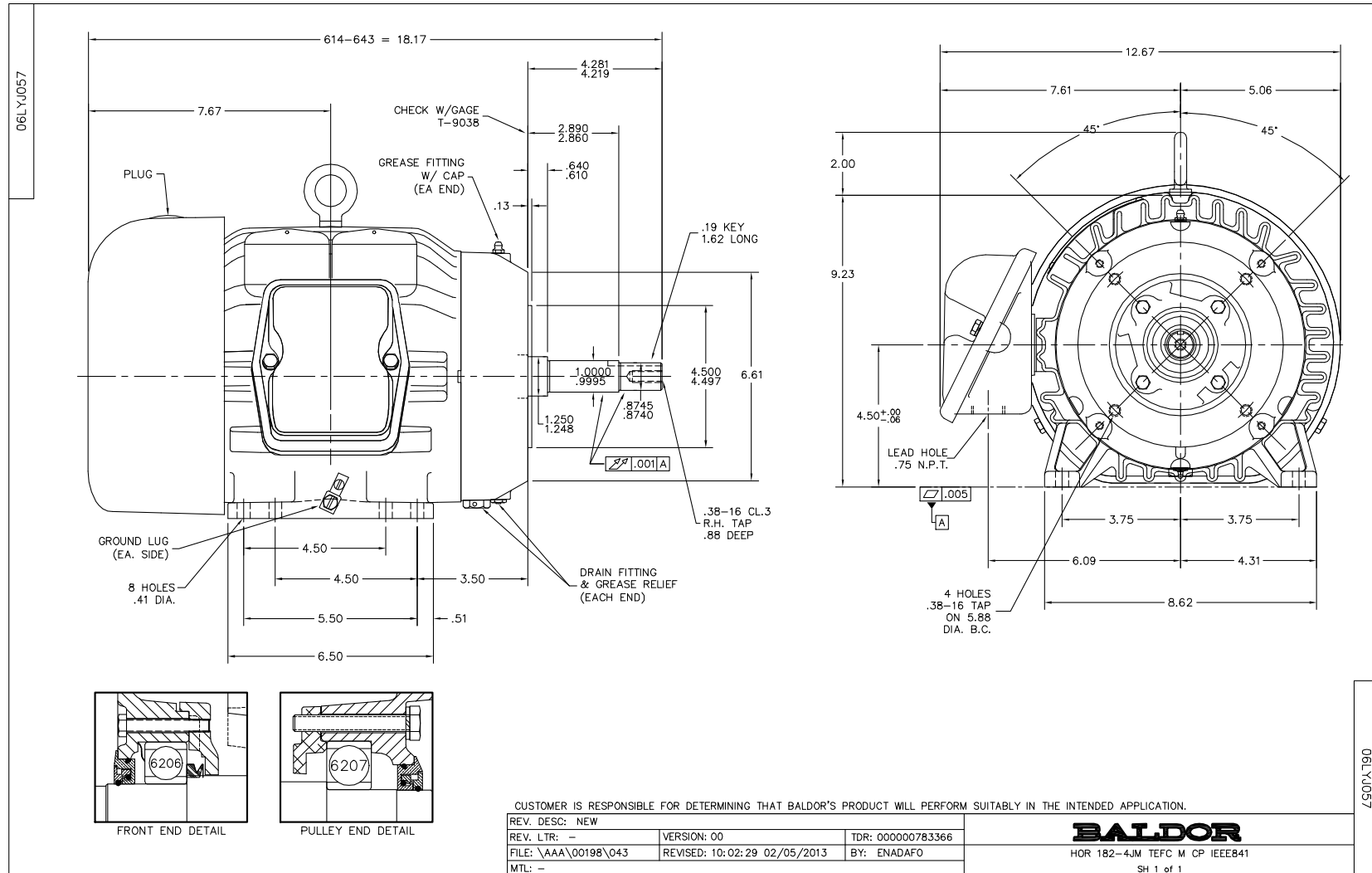
WINDING # 06WGX822

Typical performance - not guaranteed values.

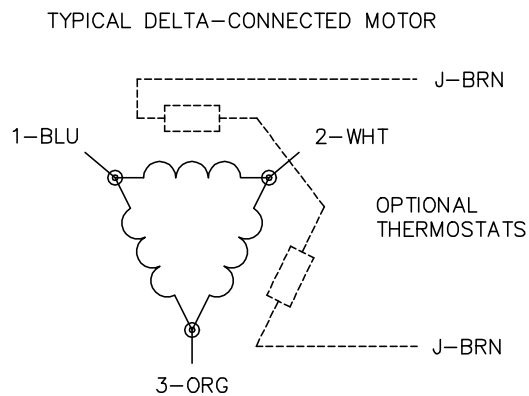
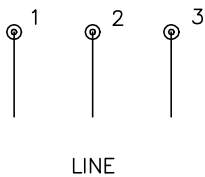
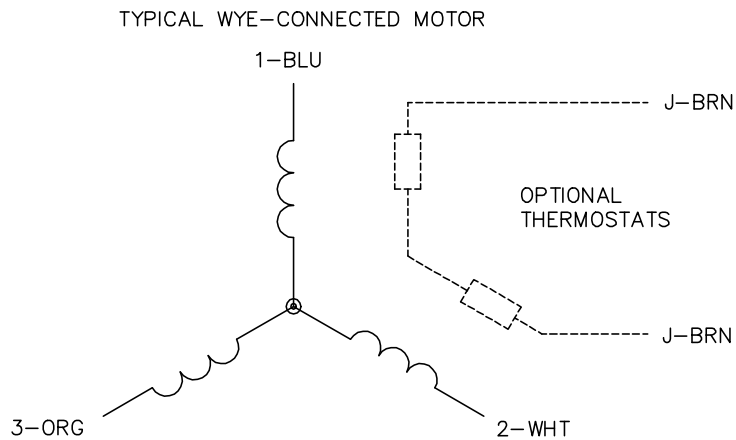
5 HP 3 PH 60 HZ 3440 RPM 460 V 0642M

TORQUES (LB-FT): PO=33.5 PU=13.42 LR=22.86 LRA=45.42





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

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BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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