



Customer information packet

IDVSNM3538-5

.5HP, 1770RPM, 3PH, 60HZ, 56C, 3512M, TENV, F1

Class - None

Division - Not Applicable

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	.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 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	.770 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M

Part detail

Revision	C
Type	AC
Mech. spec.	35T995
Base	
Status	PRD/A
Elec. spec.	35WGG200
Layout	35LYT995
Eff. date	09-30-2025
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	False
Created date	03-11-2022

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3512M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.84 IN
Power Factor	62
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3301L				
CAT NO	IDVSNM3538-5			
SPEC.	35T995G200G1			
FRAME	56C	HP	.5 TE	
VOLTS	575			
MAG CUR	0.64	FLA	0.77	
RPM	1770	RPM MAX	2700	
HZ	60	PH	3	CLASS F
SER.F.	1.00	SL HZ	0.97	
NEMA-NOM-EFF	80	WK2	0.0866	
RATING	40C AMB-CONT			
DE BRG	6205	ODE BRG	6203	
CC	SN			
	1.5:1 CHP PWM			
	1000:1 CT/VT			

NP VOLTS	575	WYE CONN EQ. CKT OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	0.77	Base Volt	575	R1	35.900
HP	0.5	NL AMPS	0.64	R2	9.020
BASE SPEED	1771	Slip (HZ)	0.97	X1	31.700
PHASE/HZ	3/60	WK ² (lb-ft ²)	0.087	X2	18.400
				XM	594.000

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1771	0.5	1.5	575	60	0.8
Max Speed	2657	0.5	1.0	575	90	0.6
CT Min Speed	1.771	0.001	1.5	0.58	0.06	0.8

Load Performance at Base Speed

	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1798	0.0	0.0	575	60	0.6
1/4	1792	0.1	0.4	575	60	0.6
1/2	1786	0.3	0.7	575	60	0.7
3/4	1779	0.4	1.1	575	60	0.7
Full Load	1771	0.5	1.5	575	60	0.8
O/L	1740	1.0	3.0	575	60	1.2

Blower Data	Volts	Ph/Hz	FL Amps	LR Amps	Frame	CFM

Remarks: Calculated Data

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CK BY CD
APP BY USBRANI
DATE 12/8/2023

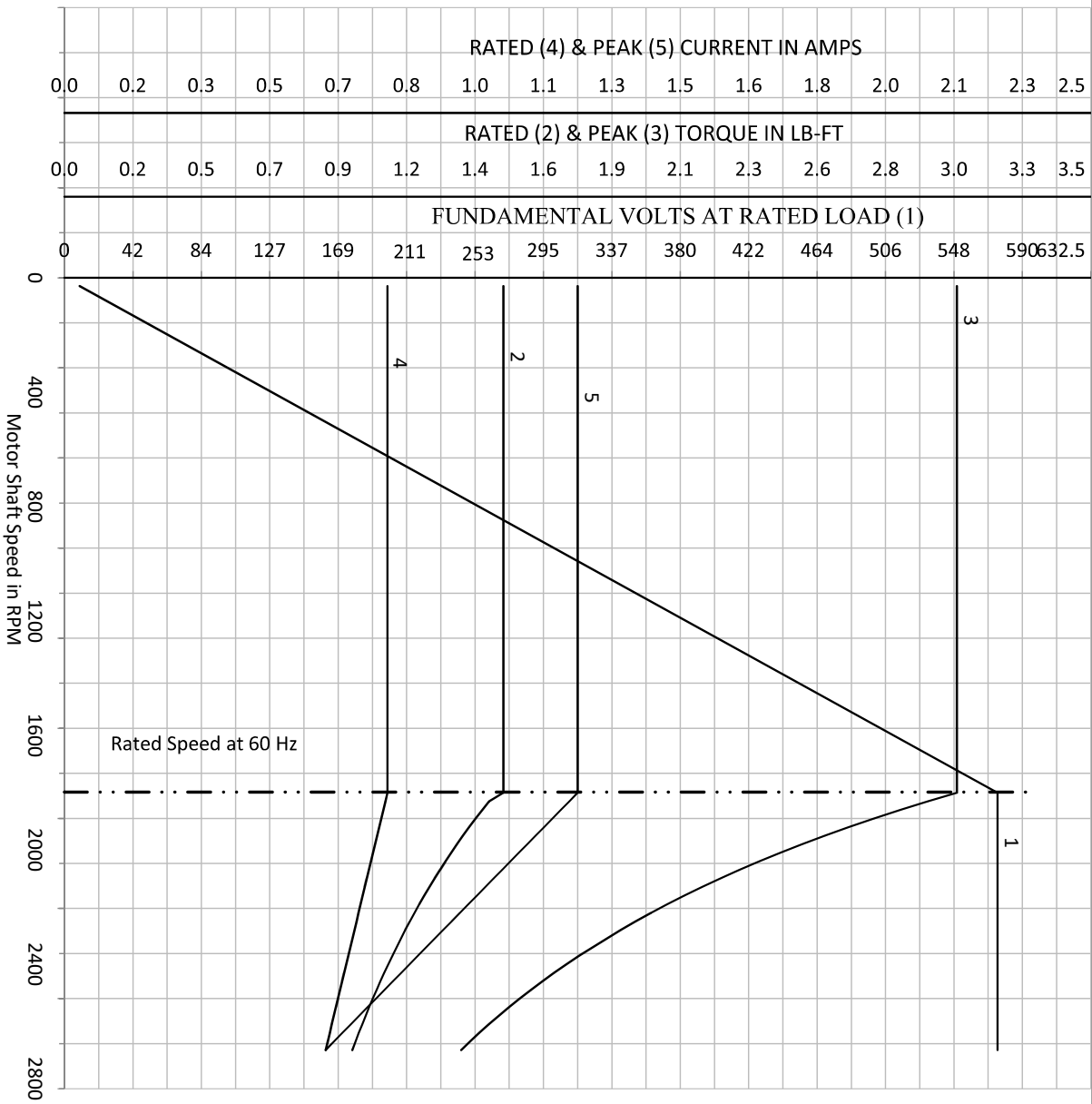
A-C MOTOR PERFORMANCE CURVES

35WGG200

Record: 82258

NP VOLTS	575	WYE CONN EQ. CKT OHMS PER PHASE (BASE RATING, 20C)		
NP AMPS	0.77	Base Volt	575	R1 35.900 X1 31.700
HP	0.5	NL AMPS	0.64	R2 9.020 X2 18.400
BASE SPEED	1771	Slip (HZ)	0.97	XM 594.000
PHASE/HZ	3/60	WK ² (lb-ft ²)	0.087	

Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

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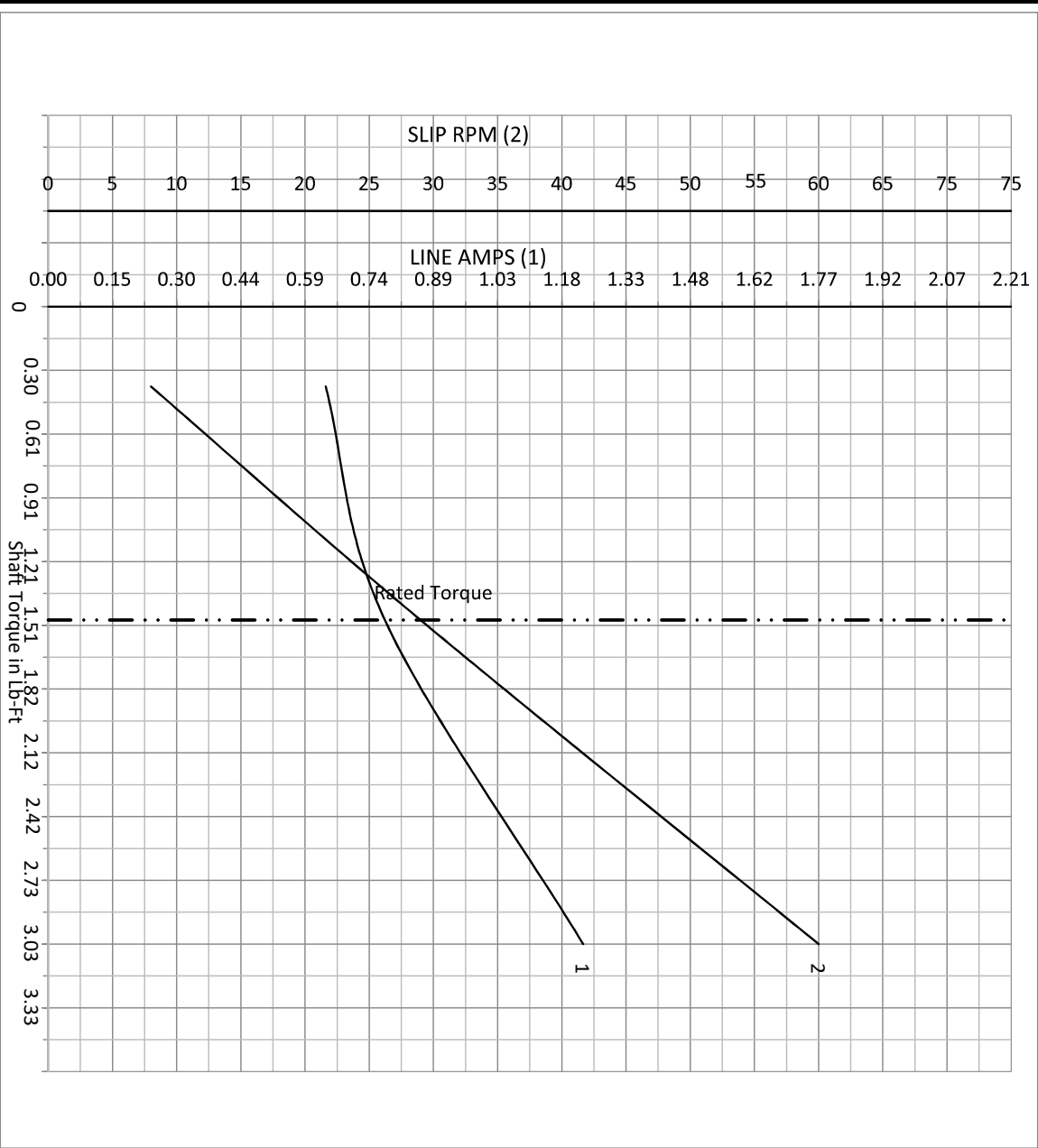
A-C MOTOR
PERFORMANCE
CURVES

35WGG200

Record: 82258

NP VOLTS	575	0	0	WYE CONN EQ. CT. OHMS PER PHASE (BASE RATING, 20C)		
NP AMPS	0.77	Base Volt	575	R1	35.900	X1 31.700
HP	0.5	NL AMPS	0.64	R2	9.020	X2 18.400
BASE SPEED	1771	Slip (HZ)	0.97			XM 594.000
PHASE/HZ	3/60	WK2 (lb-ft2)	0.087			

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data
Data Valid For Nameplate Speed Range only

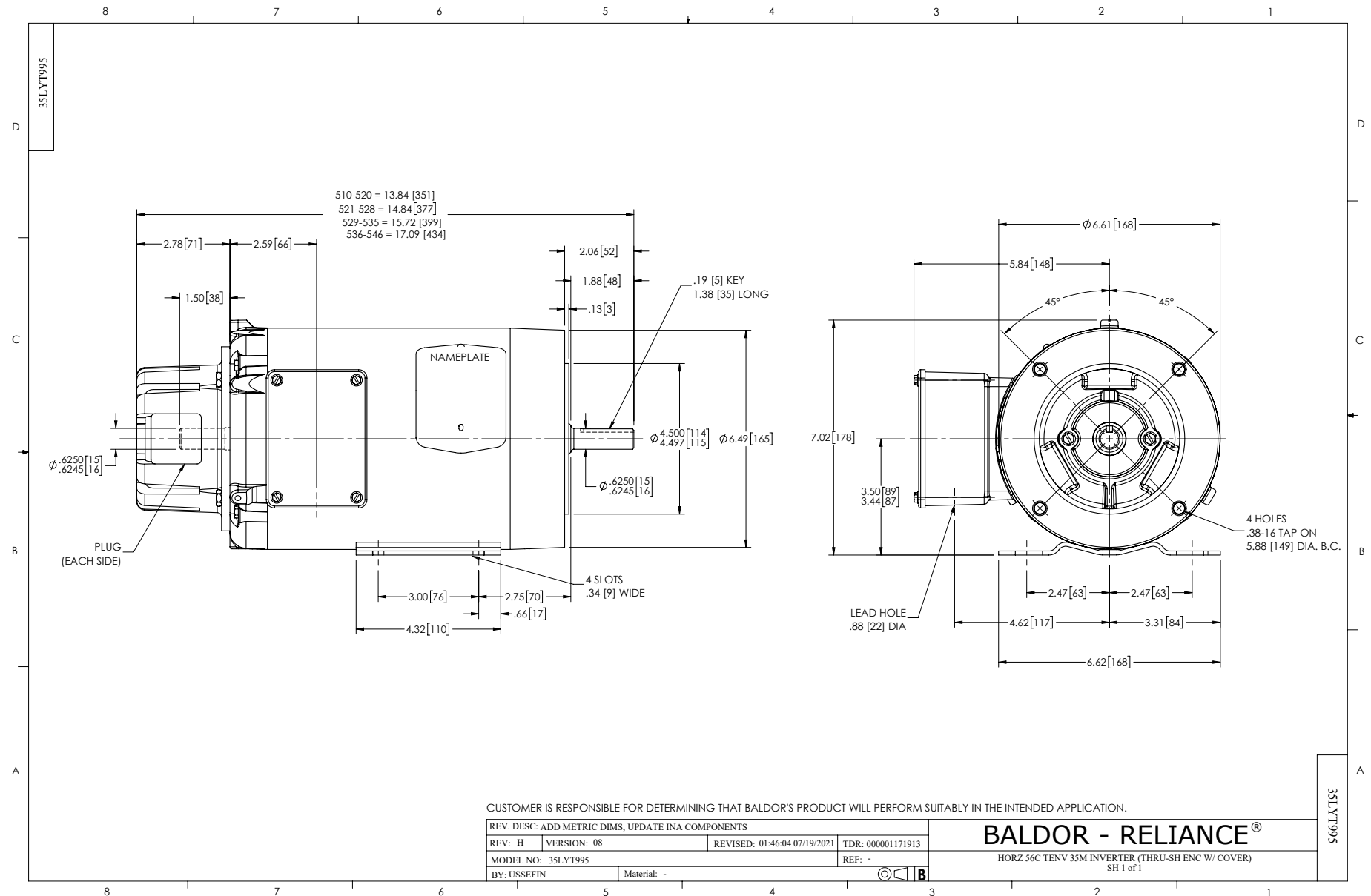
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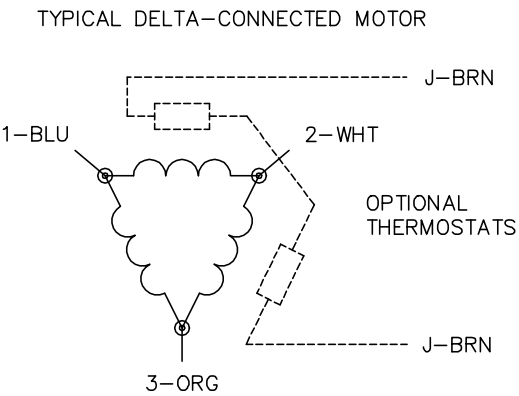
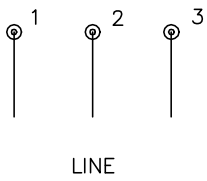
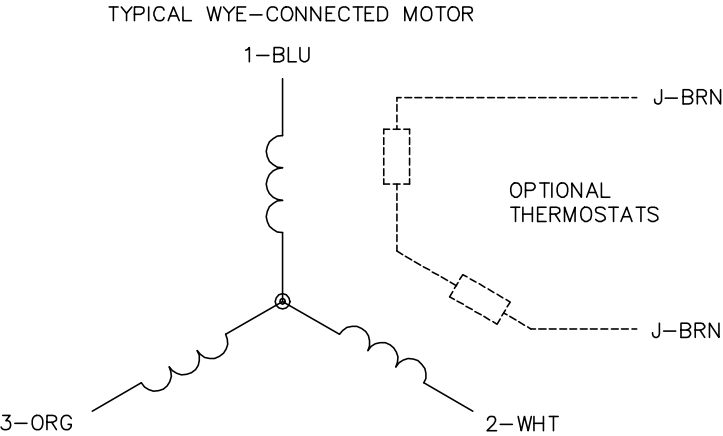
A-C MOTOR PERFORMANCE CURVES

35WGG200

Record: 82258



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	REVISED: 10: 24: 49 02/19/2019	BY: ENBRIRO
MTL: —		

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

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