

# **200KVA AC/DC** MOTOR TEST SYSTEM



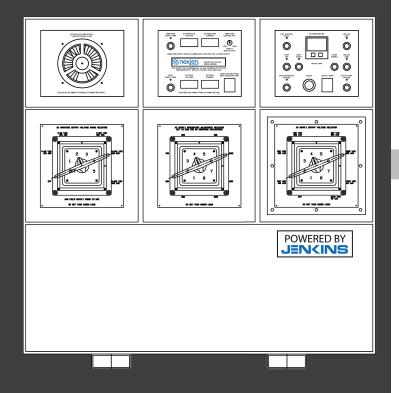
Nexjen Electric Motor Test Systems are built on the principle of safe, simple operation and dependable service. The same Jenkins test transformer design we have used for the past fifty years sits at the core of a power supply engineered to perform continuously at full ratings for 8 hours. With heavy duty components and very few moving parts, the Nexjen Electric Motor Test System is designed to operate for decades without maintenance.

While the power circuit in our electric motor test systems has remained unchanged, the control and management capabilities of the system, incorporated the latest in industrial software technology. A PLC handles the control logic in each system, reducing the number of components and increasing both the reliability and flexibility of the system. Our PC based test documentation system records and displays power, vibration, temperature and dynamometer information during motor tests.

MODEL200KVA AC/DCMODEL #S200MV480ACDCSYSTEM REQUIREMENTSPHYSICAL SPACE REQUIRED72H X 72W X 60DELECTRICAL INPUT (60HZ)480V 275APL-BASED SYSTEM CONTROLSIMPLE, PROGRAMMATIC CONTROL ADJUSTMENTSREAL-TIME SYSTEM STATUS TO TDS SOFTWAREREMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTINGAC SUPPLY120V 400AMAX AC CURRENT OUTPUT120V 400AMAX AC VOLTAGE TAPS120,240,480,600,1200,2400,4200OPTIONAL AC VOLTAGE TAPS120,240,480,600,1200,2400,4200OPTIONAL AC VOLTAGE TAPN/APERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAPS0%, 60%, 70%, 80%, 90%, 110%, 115%SOFT STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARRABLE FROM 0 TO MAX 0UTPUT)MAX AUXILIARY AC OUTPUT28A 560VCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28A 560VCURRENT LIMIT PROTECTION1 LEVELDC FIED SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX ARMATURE OUTPUTS000 28AFIELD LOSS PROTECTION1 LEVELDC FIED SUPPLY(VARIABLE FROM 0 TO TAP SETTING)MAX ARMATURE OUTPUT CURRENT100ASTANDARD2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSSOFTWAREHARDWAREBASE PACKAGE (STANDARD)ACCUERNENTIN	MOTOR TEST SYSTEM SPECIFICATION	NS
SYSTEM REQUIREMENTS         PHYSICAL SPACE REQUIRED       72H X 72W X 60D         ELECTRICAL INPUT (60HZ)       480V       275A         PLC-BASED SYSTEM CONTROL	MODEL	200KVA AC/DC
PHYSICAL SPACE REQUIRED     72H X 72W X 60D       ELECTRICAL INPUT (60HZ)     480V 275A       PLC-BASED SYSTEM CONTROL     SIMPLE, PROGRAMMATIC CONTROL AJJUSTMENTS       SIMPLE, PROGRAMMATIC CONTROL AJJUSTMENTS     REAL-TIME SYSTEM STATUS TO TDS SOFTWARE       REMOTE/ETHERNET ACCESS FOR SYSTW TROUBLESHOOTING     AC SUPPLY       MAX AC CURRENT OUTPUT     120V 400A       MAX AC VOLTAGE TOTPS     120,240,480,600,1200,2400,4200       OPTIONAL AC VOLTAGE TAPS     120,240,480,600,1200,2400,4200       OPTIONAL AC VOLTAGE TAPS     120,240,480,600,1200,2400,4200       OPTIONAL AC VOLTAGE TAPS     150,60%, 70%, 80%, 90%, EACH VOLTAGE TAP       N/A     PRECENTAGE AJJUSTMENTS FOR     50%, 60%, 70%, 80%, 90%, EACH VOLTAGE STARTING       SOFT STARTING     STANDARD     CURRENT LIMIT PROTECTION       111 VOLTAGE STARTING     STANDARD       CURRENT LIMIT PROTECTION     11 LEVEL       AUXILIARY AC OUTPUT     28A 560V       CURRENT LIMIT PROTECTION     11 LEVEL       DC FIELD SUPPLY     (VARIABLE FROM 0 TO MAX OUTPUT)       MAX ARMATURE OUTPUT     500V     28A       FIELD LOSS PROTECTION     1 LEVEL       DC FIELD SUPPLY     (VARIABLE FROM 0 TO ASCOUTPUT)       MAX FIELD OUTPUT     S00V     28A       FIELD LOSS PROTECTION     1 LEVEL       CURRENT LIMIT PROTECTION     STANDARD	MODEL #	S200MV480ACDC
ELECTRICAL INPUT (60H2)     480V     275A       PLC-BASED SYSTEM CONTROL     SIMPLE, PROGRAMMATIC CONTROL ADJUSTMENTS       REAL-TIME SYSTEM STATUS TO TDS SOFTWARE     REMOTE/ETHERNET ACCESS FOR SYSTEM TOUBLESHOOTING       AC SUPPLY     MAX AC CURRENT OUTPUT     120V     400A       MAX AC CURRENT OUTPUT     120V     400A       MAX AC CURRENT OUTPUT     120V     400A       MAX AC VOLTAGE TAPS     120,240,480,600,1200,2400,4200       OPTIONAL AC VOLTAGE TAPS     120,240,480,600,1200,2400,4200       OPTIONAL AC VOLTAGE TAPS     10%, 60%, 70%, 80%, 50%, 64%, 50%, 64%, 50%, 60%, 70%, 80%, 60%, 70%, 80%, 60%, 70%, 80%, 50%, 64CH VOLTAGE TAP     N/A       PERCENTAGE ADJUSTMENTS FOR     50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 50%, 60%, 70%, 80%, 50%, 60%, 70%, 80%, 50%, 50%, 60%, 70%, 80%, 50%, 50%, 60%, 70%, 80%, 50%, 50%, 60%, 70%, 80%, 50%, 50%, 50%, 60%, 70%, 80%, 50%, 50%, 50%, 50%, 50%, 50%, 60%, 70%, 80%, 50%, 50%, 50%, 50%, 50%, 50%, 50%, 5	SYSTEM REQUIREMENTS	
PLC-BASED SYSTEM CONTROL         RELIABLE, REPEATABLE SYSTEM CONTROL         SIMPLE, PROGRAMMATIC CONTROL ADJUSTMENTS         REALTIME SYSTEM STATUS TO TDS SOFTWARE         REMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTING         AC SUPPLY         MAX AC CURRENT OUTPUT       120V         MAX AC CURRENT OUTPUT       400A         MAX AC VOLTAGE OUTPUT       4200V       29A         STANDARD AC VOLTAGE TAP       N/A         PERCENTAGE ADJUSTMENTS FOR       50%, 60%, 70%, 80%, 90%, e1200, 2400, 4200         OPTIONAL AC VOLTAGE TAP       N/A         PERCENTAGE ADJUSTMENTS FOR       50%, 60%, 70%, 80%, 90%, e1200, 2400, 4200         SOFT STANDARD       50%, 60%, 70%, 80%, 90%, e1200, 2400, 4200         OPTIONAL AC VOLTAGE TAP       N/A         PERCENTAGE ADJUSTMENTS FOR       50%, 60%, 70%, 80%, 90%, e1200, 2400, 4200         OPTIONAL AC VOLTAGE TAP       N/A         SOFT STANDARD       1 LEVEL         ACCHENT LIMIT PROTECTION       1 LEVEL         AUXILIARY AC OUTPUT       28A         FIELD SUPPLY       (VARIABLE FROM 0 TO MAX OUTPUT)         MAX FIELD OUTPUT       500V       28A         FIELD SUPPLY       (VARIABLE FROM 0 TO AX OUTPUT)         MAX ARMATURE OUTPUT CURRENT       100A         TEMPOR	PHYSICAL SPACE REQUIRED	72H X 72W X 60D
RELIABLE, REPEATABLE SYSTEM CONTROL AJUSTMENTS         SIMPLE, PROGRAMMATIC CONTROL AJUSTMENTS         REAL-TIME SYSTEM STATUS TO TDS SOFTWARE         REMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTING         AC SUPPLY         MAX AC CURRENT OUTPUT       120V 400A         MAX AC VOLTAGE OUTPUT       4200V 29A         STANDARD AC VOLTAGE TAPS       120,240,480,600,1200,2400,4200         OPTIONAL AC VOLTAGE TAP       N/A         PERCENTAGE ADJUSTMENTS FOR       50%, 60%, 70%, 80%, 90%, EACH VOLTAGE TAP         SOFT STARTING       STANDARD         FULL VOLTAGE STARTING       STANDARD         CURRENT LIMIT PROTECTION       1 LEVEL         AUXILIARY AC SUPPLY       (3 PHASE, VARIABLE FROM OTO MAX OUTPUT)         MAX AUXILIARY AC OUTPUT       28A 560V         CURRENT LIMIT PROTECTION       1 LEVEL         DC FIELD SUPPLY       (VARIABLE FROM 0TO MAX OUTPUT)         MAX ALVILIARY AC OUTPUT       28A 560V         CURRENT LIMIT PROTECTION       1 LEVEL         DC FIELD SUPPLY       (VARIABLE FROM 0TO MAX OUTPUT)         MAX FIELD OUTPUT       500V 28A         FIELD LOSS PROTECTION       1 LEVEL         DC FIELD SUPPLY       (VARIABLE FROM 0TO TAP SETTING)         MAX ARMATURE OUTPUT CURRENT       100A <td< td=""><td>ELECTRICAL INPUT (60HZ)</td><td>480V 275A</td></td<>	ELECTRICAL INPUT (60HZ)	480V 275A
SIMPLE, PROGRAMMATIC CONTROL ADJUSTMENTS REAL-TIME SYSTEM STATUS TO TDS SOFTWARE REMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTING AC SUPPLY MAX AC CURRENT OUTPUT MAX AC VOLTAGE TAP OPTIONAL AC VOLTAGE TAP PERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAP PERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAP SOFT STARTING STANDARD FULL VOLTAGE STARTING STANDARD CURRENT LIMIT PROTECTION MAX AUXILIARY AC OUTPUT CURRENT LIMIT PROTECTION MAX AUXILIARY AC OUTPUT MAX ARMATURE OUTPUT MAX ARMATURE OUTPUT MAX ARMATURE OUTPUT MAX ARMATURE OUTPUT MAX ARMATURE OUTPUT CURRENT STANDARD C ARMATURE VOLTAGE AU, 80, 160, 320, 585 CURRENT LIMIT PROTECTION AC/DC METER DISPLAY MAX ALPEARTION SPECIFICATION AC/DC METER DISPLAY MAX ALPEARTION SIDE MOUNTING TEST HISTORY LOOKUP TEMPERATURE & VIBRATION MODULE (PTIONAL) NOMINAL METER DISPLAY TEMP AND VIBE MODULE TEMP AND VIBE MODULE TEMP AND VIBE REPORTS ACCELEROMETER INPUTS CHANNEL CONFIGURATION ACCELEROMETER INTERFACE SOFTWARE A RTD INPUTS CONFIGURED FOR AW DYNOS	PLC-BASED SYSTEM CONTROL	
REAL-TIME SYSTEM STATUS TO TDS SOFTWARE REMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTING AC SUPPLY MAX AC CURRENT OUTPUT 120V 400A MAX AC CURRENT OUTPUT 120V 400A MAX AC VOLTAGE OUTPUT 4200V 29A STANDARD AC VOLTAGE TAPS 120,240,480,600,1200,2400,4200 OPTIONAL AC VOLTAGE TAP N/A PERCENTAGE ADJUSTMENTS FOR 50%, 60%, 70%, 80%, 90%, EACH VOLTAGE TAP 110%, 115% SOFT STARTING STANDARD FULL VOLTAGE STARTING STANDARD CURRENT LIMIT PROTECTION 1 LEVEL AUXILIARY AC SUPPLY (3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT MAX AUXILIARY AC OUTPUT 28A 560V CURRENT LIMIT PROTECTION 1 LEVEL DC FIELD SUPPLY (VARIABLE FROM 0 TO MAX OUTPUT) MAX FIELD OUTPUT 500V 28A FIELD OUTPUT 1 S00V 28A FIELD OUTPUT 500V 28A FIELD OUTPUT 500V 28A FIELD OUTPUT 51ANDARD CURRENT LIMIT PROTECTION 1 LEVEL TEMPORARY BYPASS STANDARD CURRENT LIMIT PROTECTION 1 LEVEL TEMPORARY BYPASS CURRENT LIMIT PROTECTION 51ANDARD DC ARMATURE SUPPLY (VARIABLE FROM 0 TO TAP SETTING) MAX ARMATURE OUTPUT CURRENT 100A STANDARD DC ARMATURE SUPPLY (VARIABLE FROM 0 TO TAP SETTING) MAX ARMATURE OUTPUT CURRENT 100A STANDARD DC ARMATURE VOLTAGE A0, 80, 160, 320, 585 CURRENT LIMIT PROTECTION 2 LEVELS OPTIONAL SYNCHRONOUS DC ARMATURE SUPPLY SIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTS TEST DOCUMENTATION SPECIFICATIONS SOFTWARE HARDWARE BASE PACKAGE (STANDARD) AC/DC RETER DISPLAY REPORT GENERATION SIDE MOUNTING TEST HISTORY LOOKUP TEMPERATURE & VIBRATION MODULE (PTIONAL) NOMINAL METER DISPLAY TEMP AND VIBE MODULE TEMP AND VIBE REPORTS ACCELEROMETER INPUTS CHANNEL CONFIGURATION 6 ACCELEROMETER INPUTS TEMP AND VIBE REPORTS ACCELEROMETERS INCLUDED DYNAMOMETER INTERFACE (STANDARD) HORSEPOWER / KW USB OR SERIAL INTERFACE % EFFICIENCY / TORQUE (ft./Ib.) CONFIGURED FOR AW DYNOS	RELIABLE, REPEATABLE SYSTEM CONTR	OL
REMOTE/ETHERNET ACCESS FOR SYSTEM TROUBLESHOOTING AC SUPPLY MAX AC CURRENT OUTPUT 120V 400A MAX AC CURRENT OUTPUT 120V 400A MAX AC VOLTAGE OUTPUT 120V 400A MAX AC VOLTAGE OUTPUT 120V 400A MAX AC VOLTAGE OUTPUT 120,240,480,600,1200,2400,4200 OPTIONAL AC VOLTAGE TAP 120,240,480,600,1200,2400,4200 OPTIONAL AC VOLTAGE TAP 120,240,480,600,1200,2400,4200 OPTIONAL AC VOLTAGE TAP N/A PERCENTAGE ADJUSTMENTS FOR 50%, 60%, 70%, 80%, 90%, EACH VOLTAGE TAP 110%, 115% SOFT STARTING STANDARD FULL VOLTAGE STARTING STANDARD FULL VOLTAGE STARTING STANDARD FULL VOLTAGE STARTING STANDARD CURRENT LIMIT PROTECTION 1 LEVEL AUXILIARY AC SUPPLY (3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT 28A 560V CURRENT LIMIT PROTECTION 1 LEVEL DC FIELD SUPPLY (VARIABLE FROM 0 TO MAX OUTPUT) MAX AUXILIARY AC OUTPUT 28A 560V CURRENT LIMIT PROTECTION 1 LEVEL DC FIELD SUPPLY (VARIABLE FROM 0 TO MAX OUTPUT) MAX FIELD OUTPUT 500V 28A FIELD OUTPUT 100A STANDARD CURRENT LIMIT PROTECTION 1 LEVEL DC ARMATURE OUTPUT URRENT 100A STANDARD CURRENT LIMIT PROTECTION CURRENT 100A STANDARD DC ARMATURE VOLTAGE 40, 80, 160, 320, 585 CURRENT LIMIT PROTECTION 2 LEVELS OPTIONAL SYNCHRONOUS DC ARMATURE SUPPLY SIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTS TEST DOCUMENTATION SPECIFICATIONS SOFTWARE BASE PACKAGE (STANDARD) AC/DC METER DISPLAY PC AND MONITOR NAMEPLATE DATA ENTRY REPORT GENERATION SIDE MOUNTING TEST HISTORY LOOKUP TEMPERATURE & VIBRATION MODULE (OPTIONAL) NOMINAL METER DISPLAY TEMP AND VIBE MODULE TEMP VS. TIME CURVES 4 THERMOCOUPLE INPUTS TEMP AND VIBE REPORTS ACCELEROMETER INPUTS TEMP AND VIBE MODULE TEMP VS. TIME CURVES 4 THERMOCOUPLE INPUTS TEMP AND VIBE REPORTS ACCELEROMETER INCLUDED DYNAMOMETER INTERFACE SOFT YARE CONFIGURATION 6 ACCELEROMETER INCLUDE	SIMPLE, PROGRAMMATIC CONTROL AD	DJUSTMENTS
AC SUPPLYMAX AC CURRENT OUTPUT120V400AMAX AC VOLTAGE OUTPUT120V400AMAX AC VOLTAGE OUTPUT4200V29ASTANDARD AC VOLTAGE TAPS120,240,480,600,1200,2400,4200OPTIONAL AC VOLTAGE TAPN/APERCENTAGE ADJUSTMENTS FOR50%, 60%, 70%, 80%, 90%,EACH VOLTAGE TAPN/APERCENTAGE ADJUSTMENTS FOR50%, 60%, 70%, 80%, 90%,EACH VOLTAGE TAP110%, 115%SOFT STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ACURRENT LIMIT PROTECTION1 LEVELDC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT500VMAX FIELD OUTPUT500VMAX FIELD OUTPUT500VMAX FIELD OUTPUT500VMAX FIELD OUTPUT500VMAX FIELD OUTPUT510N ARDCURRENT LIMIT PROTECTION1 LEVELTEMPORARY BYPASSSTANDARDCURRENT LIMIT PROTECTION1 LEVELDC ARMATURE SUPPLY(VARIABLE FROM 0 TO TAP SETTING)MAX ARMATURE OUTPUT CURRENT100ASTANDARD DC ARMATURE VOLTAGE RANGES40, 80, 160, 320, 585CURRENT LIMIT PROTECTION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSSOFTWAREHARDWAREBASE PACKAGE (STANDARD)AC/DC METER DISPLAYNOM	REAL-TIME SYSTEM STATUS TO TDS SOF	TWARE
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STANDARD AC VOLTAGE TAPS120,240,480,600,1200,2400,4200OPTIONAL AC VOLTAGE TAPN/APERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAP50%, 60%, 70%, 80%, 90%, 110%, 115%SOFT STARTINGSTANDARDFULL VOLTAGE STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT500VMAX FIELD OUTPUT500V28ASTANDARDCURRENT LIMIT PROTECTION1 LEVELDC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT500V28ASTANDARDCURRENT LIMIT PROTECTIONSTANDARDCURRENT LIMIT PROTECTIONSTANDARDCURRENT LIMIT PROTECTIONSTANDARDCURRENT LIMIT PROTECTION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSSOFTWAREHARDWAREBASE PACKAGE (STANDARD)AC/DC METER DISPLAYPC AND MONITORNAMEPLATE DATA ENTRYREPORT PRINTERREPORT GENERATIONSIDE MOUNTINGTEST HISTORY LOOKUPTEMP AND VIBE MODULETEMPERTURE & VIBRATION MODULE (PTIONAL)NOMINAL METER DISPLAYTEMP AND VIBE MODULETEMPERTURE & VIBRATION MODULE (STOMENTER INCLUDED	MAX AC CURRENT OUTPUT	120V 400A
OPTIONAL AC VOLTAGE TAPN/APERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAP50%, 60%, 70%, 80%, 90%, 110%, 115%SOFT STARTINGSTANDARDFULL VOLTAGE STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT500VMAX FIELD OUTPUT500VMAX FIELD OUTPUTSOOT 28AFIELD LOSS PROTECTION1 LEVELTEMPORARY BYPASSSTANDARDCURRENT LIMIT PROTECTIONSTANDARDDC ARMATURE SUPPLY(VARIABLE FROM 0 TO TAP SETTING)MAX ARMATURE OUTPUT CURRENT100ASTANDARD DC ARMATURE VOLTAGE RANGES40, 80, 160, 320, 585CURRENT LIMIT PROTECTION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSBASE PACKAGE (STANDARD)AC/DC METER DISPLAYNAMEPLATE DATA ENTRYREPORT GENERATIONSIDE MOUNTINGTEST HISTOR'LOOKUPTEMPERATURE & VIBRATION MODULE (OPTIONAL)NOMINAL METER DISPLAYNOMINAL METER DISPLAYNOMINAL METER DISPLAYNOMINAL METER DISPLAYNOMINAL METER DISPLAYTEMP AND VIBE MODULETEMP FRATURE & VIBRATION MODULE (OPTIONAL)NOMINAL METER DI	MAX AC VOLTAGE OUTPUT	4200V 29A
PERCENTAGE ADJUSTMENTS FOR EACH VOLTAGE TAP50%, 60%, 70%, 80%, 90%, 110%, 115%SOFT STARTINGSTANDARDFULL VOLTAGE STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT500VMAX FIELD OUTPUTSTANDARDCURRENT LIMIT PROTECTION1 LEVELTEMPORARY BYPASSSTANDARDCURRENT LIMIT PROTECTIONSTANDARDDC ARMATURE SUPPLY(VARIABLE FROM 0 TO TAP SETTING)MAX ARMATURE OUTPUT CURRENT100ASTANDARD DC ARMATURE VOLTAGE RANGES40, 80, 160, 320, 585CURRENT LIMIT PROTECTION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUSTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSSOFTWAREHARDWAREBASE PACKAGE (STANDARD)AC/DC METER DISPLAYPC AND MONITORNAMEPLATE DATA ENTRYREPORT PRINTERREPORT GENERATIONSIDE MOUNTINGTEST HISTORY LOOKUPTEMP AND VIBE MODULETEMP AND VIBE REPORTSACCELEROMETER INPUTSVIBRATION FF	STANDARD AC VOLTAGE TAPS	120,240,480,600,1200,2400,4200
EACH VOLTAGE TAP110%, 115%SOFT STARTINGSTANDARDFULL VOLTAGE STARTINGSTANDARDCURRENT LIMIT PROTECTION1 LEVELAUXILIARY AC SUPPLY(3 PHASE, VARIABLE FROM 0 TO MAX OUTPUT)MAX AUXILIARY AC OUTPUT28ASGOVCURRENT LIMIT PROTECTIONDC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT28ADC FIELD SUPPLY(VARIABLE FROM 0 TO MAX OUTPUT)MAX FIELD OUTPUT28AFIELD LOSS PROTECTION1 LEVELTEMPORARY BYPASSSTANDARDCURRENT LIMIT PROTECTIONSTANDARDDC ARMATURE SUPPLY(VARIABLE FROM 0 TO TAP SETTING)MAX ARMATURE OUTPUT CURRENT100ASTANDARD DC ARMATURE VOLTAGE RANGES40, 80, 160, 320, 585CURRENT LIMIT PROTECTION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATION2 LEVELSOPTIONAL SYNCHRONOUS DC ARMATURE SUPPLYSIZING AND PRICE DETERMINED BY CUTOMER TEST REQUIREMENTSTEST DOCUMENTATION SPECIFICATIONSIDE MOUNTIORNAMEPLATE DATA ENTRYREPORT PRINTERREPORT GENERATIONSIDE MOUNTINGTEST HISTORY LOOKUPTEMP AND VIBE MODULETEMPERATURE & VIBRATION MODULE (PTIONAL)NOMINAL METER DISPLAYNOMINAL METER DISPLAYTEMP AND VIBE MODULETEMPERATURE & VIBRATION MODULE (PTIONAL)NOMINAL METER DISPLAYNOMINAL METER DISPLAYTEMP AND VIBE MODULETEMP AND VIBE REPORTSACCELEROMETER INPUTS <td>OPTIONAL AC VOLTAGE TAP</td> <td>N/A</td>	OPTIONAL AC VOLTAGE TAP	N/A
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CHANNEL CONFIGURATION6 ACCELEROMETER INPUTSTEMP AND VIBE REPORTSACCELEROMETERS INCLUDEDDYNAMOMETER INTERFACE (STANDARD)HORSEPOWER / KWUSB OR SERIAL INTERFACE% EFFICIENCY / TORQUE (ft./lb.)CONFIGURED FOR AW DYNOS	TEMP VS. TIME CURVES	4 THERMOCOUPLE INPUTS
TEMP AND VIBE REPORTS       ACCELEROMETERS INCLUDED         DYNAMOMETER INTERFACE (STANDARD)         HORSEPOWER / KW       USB OR SERIAL INTERFACE         % EFFICIENCY / TORQUE (ft./lb.)       CONFIGURED FOR AW DYNOS	VIBRATION FFT GRAPHS	4 RTD INPUTS
DYNAMOMETER INTERFACE (STANDARD)         HORSEPOWER / KW       USB OR SERIAL INTERFACE         % EFFICIENCY / TORQUE (ft./lb.)       CONFIGURED FOR AW DYNOS	CHANNEL CONFIGURATION	6 ACCELEROMETER INPUTS
HORSEPOWER / KWUSB OR SERIAL INTERFACE% EFFICIENCY / TORQUE (ft./lb.)CONFIGURED FOR AW DYNOS	TEMP AND VIBE REPORTS	ACCELEROMETERS INCLUDED
% EFFICIENCY / TORQUE (ft./lb.) CONFIGURED FOR AW DYNOS	DYNAMOMETER INTERFACE (STAND	ARD)
	HORSEPOWER / KW	USB OR SERIAL INTERFACE
RPM AND % LOAD USE EXISTING DYNO	% EFFICIENCY / TORQUE (ft./lb.)	CONFIGURED FOR AW DYNOS
	RPM AND % LOAD	USE EXISTING DYNO

## **200KVA MOTOR TEST SUPPLY**

The 200KVA Electric Motor Test Supply will run most 200HP AC motors at full load and most 700HP motors at no load. (AC motors typically draw 25-35% of full load amps with no load). The DC Supply will run most 200HP DC motors at full load, and will start and run most DC motors at no load.



- Engineered for full-capacity AC and DC outputs at rated current for 8 hours.
- Motor starting by current limited Soft starter or with fullvoltage tap adjustments.
- Independent, variable-voltage adjustment on DC Field and Armature Supplies.
- Simple, push-button operation with intuitive controls, clear indicators and LED meters.
- Industrial PLC provides reliable control, real-time system status, simple logic adjustments and remote troubleshooting.
- Operator and System Safeties; E-stop, overload protection, trips and electrical interlocks.
- Transformer Powered by Jenkins Electric Company.



# SOFTWARE

## STANDARD TEST DOCUMENTATION PACKAGE

The standard Test Documentation Package ships with a PC and Printer, displays real-time AC and DC meter data during tests, records data to a searchable test database and prints a test report to be kept on file and/or provided to the client. (Test reports can be directly saved to ACS job folders).



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## **UPGRADES & ACCESSORIES**

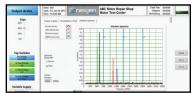
- Auxiliary AC Supply
- Higher Voltage up to 7200
- Synchronous Motor Start

# • Fields up to 70 Amps

## **TEMP AND VIBE MODULE**

The Temp and Vibe Module is a portable data acquisition system that connects to the Test Documentation PC via a USB cable. It includes ports for 6 Accelerometers (sensors included), 4 Thermocouples and 4 RTDs. The software upgrade includes the display of Temperature and Vibration data on the meter screen, and graphical display of temperature vs. time curves and vibration fft's. (Optional)





### LEAD ISOLATOR BOX

The Lead Isolator Box provides a safe method for isolating the connections between motor leads and test system leads. Fabricated from nonconductive material, the Lead Isolator Box keeps test operators safe from arching between lead connections. (Standard)

#### **BOOM MOUNTED TEST LEADS**

The boom mounted test leads provides a safe method for keeping leads out of the way while motors are being tested. (Optional)

### **DYNAMOMETER INPUT**

With a simple connection to an AW Dynamometer Controller the Test Documentation Software displays and records mechanical test data including output power, RPM, % efficiency, and % load and torque. Configuration for non-AW Dynamometers is available and quoted separately. (Standard)

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