

PP30
REDI POWER

WINGO®
INCORPORATED



Powered by

IVECO
MOTORS



NEF45 SM2
4.5 Liter
Turbocharged

Electrical Output 65kW/80kVa

<u>Voltage</u>	<u>Amperes</u>	<u>Cycles</u>	<u>Phase</u>	<u>kW</u>	<u>kVa</u>	<u>pf</u>
120/240	225*	60	1	65	65	1.0
120/208	225	60	3	65	80	0.8
120/240	195	60	3	65	80	0.8
277/480	98	60	3	65	80	0.8

* Available amperage at terminal block connection - additional amperage available at receptacle panel for single phase output.

STANDARD FEATURES

- **IVECO** 4.5 Liter 1800 RPM Engine (Division of FIAT Motors)
 - Meets EPA / CARB Tier 2 Emissions
 - Mechanical Governor
 - Fuel/Water Separator
 - Oil Drain Extension with Valve
- **BASLER DGC-2020** Digital Controller with Automatic Safety Shutdowns and Digital Readouts for Low Oil Pressure, High Water Temp, Engine Overcrank and Engine Overspeed, Low Fuel Level Shutdown, Battery Disconnect Switch
- **Brushless Alternator / Class H Insulation**
 - Standby Output: 65kW (80kVA)
 - Prime Output: 58.5kW (72kVA)
 - Motor Starting Capability: 25 h.p. Code G
 - Voltage Regulation: 1.5% / < 5% Total Harmonic Distortion
- **SWITCHABLE** 4-Position Voltage Selector Switch with Automatic Safety Shutdown and Safety Lock Out
 - AC Voltages - 3 Phase: 208, 220, 240, 416, 440, 460, 480V
 - AC Voltages - 1 Phase: 120, 139, 208, 220, 240V
 - Amps:
 - Single Phase 240V: 225A (at terminal block)
 - Three Phase 208V: 225A
 - Three Phase 240V: 195A
 - Three Phase 480V: 98A
- Illuminated Instrumentation Panel and Connection Box
- Receptacle Package:
 - 2-50amp 120/240V Twistlock Receptacles
 - 2-20amp 120V GFCI Duplex Receptacles
 - 1-Terminal Block for Full Connection with Safety Shut Off
- Shore Power Inlet for Easy Connection to Block Heater and Battery Charger
- Pre-wired for Remote Emergency Stop (Optional Button Available)
- Two Wire Remote Start Capability
- Selectable High or Low Voltage Mainline Circuit Breakers for Main Power Connection
- Circuit Breakers for Single Phase Receptacles
- 14-gauge Galvanneal Steel Sound Attenuated Enclosure with Critical Muffler
- Sound Level: ** Contact Factory **
- Durable Powder Coat Paint Finish / Stainless Steel Fasteners
- Large Lockable Doors for Maintenance Access
- Single Point Lifting Eye
- Full Fluid Containment System with Drains
- Lockable Fuel Access Door
- Six Bolts to Remove Generator Assembly from Trailer
- DOT Approved Trailer & Tank, 7,000 lb. Capacity, Electric Brakes with Break-Away Kit, Single Axle, Torsion Bar Suspension, Front Leveling Jack, Rear Stabilization Jacks, Running Lights, Lighted License Plate Bracket
- 110-gallon, 7-gauge Steel Fuel Tank
- Fuel Consumption:
 - Full Load.....4.64 gal/hr
 - 75% Load.....3.48 gal/hr
 - 50% Load.....2.41 gal/hr
- Run Time:
 - Full Load.....24 hours
 - 75% Load.....32 hours
 - 50% Load.....46 hours
- Removable and Adjustable Hitch
- 3" Pintle Hitch and 2 5/16" Ball Hitch both come Standard
- Large Front Lockable Storage Compartment
- Dimensions: Generator with Trailer - 150" x 66" x 83"
- Weight: Generator with Dry Fuel Tank and Trailer - 4950 lbs
- Warranty: Complete Unit - 1 Year; Engine - 2 Year Limited

EXPERIENCED DESIGN

- OVER 80 YEARS EXPERIENCE IN THE GENERATOR INDUSTRY
- DESIGNED FOR LONG LIFE TO MAXIMIZE RETURN ON INVESTMENT
- REACTIVE LOAD BANK TESTED / SINGLE STEP 100% LOAD TESTED
- “ORIGINATOR” OF THE MOBILE DIESEL GENERATOR



ENGINE SPECIFICATIONS

- DIVISION OF FIAT MOTORS INC.
- EPA CARB TIER 2 COMPLIANT (TIER 4 READY)
- COMPLETE SERVICE NETWORK
- EFFICIENT LOW FUEL CONSUMPTION DESIGN

MAKE.....	IVECO
MODEL.....	NEF45 SM2
TYPE.....	DIESEL
DIRECT INJECTION.....	MECHANICAL
SPEED GOVERNOR.....	MECHANICAL
CYLINDERS.....	4
TOTAL DISPLACEMENT.....	4.5L
BORE X STROKE.....	mm 104 X 132
ASPIRATION/COOLING.....	TURBOCHARGED/LIQUID
RADIATOR CAPACITY.....	2.25 GAL
TOTAL COOLING CAPACITY.....	5.0 GAL
HOUSING.....	SAE 3
FLYWHEEL (TEETH 125).....	11½ in.
ROTATION.....	CCW
LUBE OIL SPEC.....	SAE TYPE, API CF-CH4
LUBE OIL CONSUMPTION.....	< 0.1% OF FUEL
OIL & FILTER REPLACEMENT.....	600 HRS
TOTAL OIL CAPACITY.....	13.5 QUARTS
EXHAUST OUTLET SIZE @ MUFFLER.....	3.0"
ELECTRICAL SYSTEM (NEGATIVE GROUND).....	12 VDC
ALTERNATOR (BOSCH).....	90 AMPS
STARTER.....	BOSCH
BATTERY (NOT INCLUDED BCI 24).....	650 CCA

GENSET CONTROL

- BASLER DGC-2020 DIGITAL CONTROLLER
- GENERATOR PROTECTION AND METERING
- EVENT FAULT LOG RECORDING
- DEDICATED RELAYS FOR FUEL SOLENOIDS, GLOW PLUGS AND STARTER SOLENOID
- AUTOMATIC SAFETY SHUTDOWN
- DIGITAL READOUTS FOR LOW OIL PRESSURE, HIGH WATER TEMP, ENGINE OVERCRANK AND ENGINE OVERSPEED
- LOW FUEL LEVEL SHUTDOWN AND FUEL LEAK DETECTION ALARM

GENERATOR SPECIFICATIONS

- BRUSHLESS ROTATING FIELD FOR LONG LIFE AND LOW MAINTENANCE
- MEETS BS EN 60034, BS5000, VDE 0530
- NEMA MG1-32, ICE34, CSA C22.2-100, AS1359
- INCLUDES: HIGH EFFICIENCY SEMICONDUCTORS, RECTIFIER SURGE PROTECTION
- STANDARD OUTPUT: 65kW, 80kVA
- PRIME OUTPUT: 58.5kW, 72kVA
- AMPS: 1-PHASE 240V - 225A at terminal block, 270 amps total, including receptacle panel
- 3-PHASE 208V - 225A
- 3-PHASE 240V - 195A
- 3-PHASE 480V - 98A

RATING.....	(125/40°C) STANDBY
TYPE.....	4 POLE – REVOLVING FIELD
SPEED/FREQUENCY.....	1800 RPM/60HZ
INSULATION SYSTEM.....	CLASS H
STATOR WINDINGS.....	DOUBLE LAYER CONCENTRIC
PITCH.....	2/3
WAVEFORM DISTORTION.....	1.5%
TELEPHONE INTERFERENCE.....	<2.0%
EFFICIENCY PEAK.....	~92.5%
COUPLING.....	FLEXIBLE DISC
BEARINGS (MAINTENANCE FREE).....	1
CONTROL.....	(SX460 STANDARD) SELF EXCITED
REGULATION.....	+/- 1.5%
SINGLE PHASE RATING.....	1.0pf
THREE PHASE RATING.....	0.8pf

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