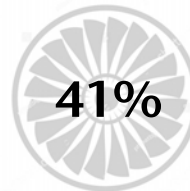


# FT4000<sup>®</sup> SWIFTPAC<sup>®</sup>

# Gas Turbine Package



## POWER



## EFFICIENCY

- ✓ Flexible solutions customized to meet demanding customer requirements
- ✓ Reliable peaking and base load power within a compact footprint
- ✓ Superior fault-ride-through and grid stability characteristics
- ✓ Fast-track deployment/installation
- ✓ Multiple gas and liquid fuel options
- ✓ Fast-start; fast ramp
- ✓ Low-cost O&M

AERO-DERIVATIVE

ADVANTAGE

### Package, Install, Commission

- Single- or dual-engine configuration
- Modular design
- Maximum factory assembly
- Optimized shipping sizes
- Prefabricated field piping
- Interconnecting quick-disconnect cables
- Reduced transportation time and cost
- Minimal installation time
- Efficient commissioning

### Perform

- 5-minute fast start; fast ramp
- Wet compression for improved performance
- High part load efficiency
- Highest power output of any aero-derivative package
- Synchronous condensing
- Low turn down ratio

### Operate and Maintain

- Proven industrial components
- Integrated ancillary systems
- Limited on-site inventory
- Ease of operation and maintenance
- Quick engine changeout

# PW Power Systems

A Group Company of  MITSUBISHI POWER

Simple-cycle (50 Hz)	FT4000 SWIFTPAC 60	FT4000 SWIFTPAC 120
Gross output (kW)	70,154	140,376
Gross heat rate (Btu/kWh, LHV)	8,352	8,348
Gross heat rate (kj/kWh, LHV)	8,812	8,808
Gross efficiency (%)	40.9	40.9
Exhaust flow (lbs/sec)	401	803
Exhaust flow (kg/sec)	182	364
Exhaust temp (°F / °C)	793 / 423	793 / 423
Ramp rate (MW/minute)	31 to 55	62 to 110
Minimum start-up time (cold iron; minutes)	5	5
GT minimum turn down load with emissions (%)	50	50

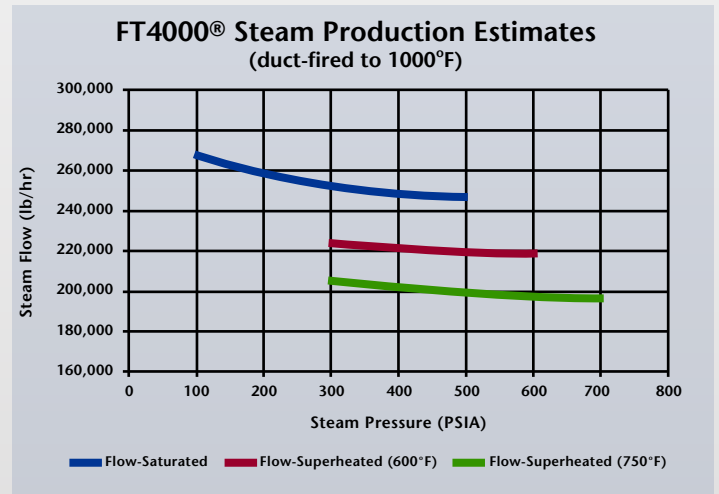
Combined-cycle (1 x 1)	FT4000 SWIFTPAC 60	FT4000 SWIFTPAC 120
Net output (kW)	86,431	174,178
Net heat rate (Btu/kWh, LHV)	6,814	6,762
Net heat rate (kj/kWh, LHV)	7,190	7,135
Net efficiency (%)	50.1	50.5

NOTE: ISO conditions; natural gas fuel; zero installation losses



Simple-cycle (60 Hz)	FT4000 SWIFTPAC 60	FT4000 SWIFTPAC 120
Gross output (kW)	70,836	141,567
Gross heat rate (Btu/kWh, LHV)	8,269	8,248
Gross heat rate (kj/kWh, LHV)	8,724	8,702
Gross efficiency (%)	41.3	41.4
Exhaust flow (lbs)	401	802
Exhaust flow (kg/sec)	182	364
Exhaust temp (°F / °C)	785 / 418	784 / 417
Ramp rate (MW/minute)	31 to 55	62 to 110
Minimum start-up time (cold iron; minutes)	5	5
GT minimum turn down load with emissions (%)	50	50

### Cogeneration



Additional Specs	FT4000 SWIFTPAC 60	FT4000 SWIFTPAC 120
Gas fuel hot section hours	25,000	25,000
Overhaul hours	50,000	50,000
Sound level, near field (dBA average)	85	85
Footprint (approx. LxWxH; ft)	95 x 74 x 44	170 x 91 x 44
Footprint (approx. LxWxH; m)	29 x 23 x 10	52 x 28 x 10

# PW Power Systems

A Group Company of  MITSUBISHI POWER

628 Hebron Avenue, Suite 400  
Glastonbury, Connecticut 06033 USA

1-866-POWERALL  
info@pwps.com  
www.pwps.com