

FT4000[®] SWIFTPAC[®] **Gas Turbine Package**

AERO-DERIVATIVE ADVANTAGE:

- ✓ 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 0&M

POWER



EFFICIENCY



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



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

OPERATE AND MAINTAIN:

Proven industrial components

Integrated ancillary systems

Limited on-site inventory

Ease of operation and maintenance

Quick engine changeout



SIMPLE-CYCLE (50Hz)	FT4000 SWIFTPAC70	FT4000 SWIFTPAC140
Gross output (kW)	70,154	140,500
Gross heat rate (Btu/kWh, LHV)	8,443	8,431
Gross heat rate (kj/kWh, LHV)	8,908	8,896
Gross efficiency (%)	40.4	40.5
Exhaust flow (lbs/sec)	404	808
Exhaust flow (kg/sec)	183	367
Exhaust temp (°F / °C)	808/431	808/431
Ramp rate (MW/minute)	30 to 50	60 to 100
Minimum start-up time	<5	<5
(cold iron; minutes)		
GT minimum turn down load	50	50
with emissions (%)		

COMBINED-CYCLE (1x1)	FT4000 SWIFTPAC70	FT4000 SWIFTPAC140
Net output (kW)	87,709	176,896
Net heat rate (Btu/kWh, LHV)	6,734	6,682
Net heat rate (kj/kWh, LHV)	7,106	7,051
Net efficiency (%)	50.7	51.1

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



SIMPLE-CYCLE (60Hz)	FT4000 SWIFTPAC70	FT4000 SWIFTPAC140
Gross output (kW)	71,928	144,243
Gross heat rate (Btu/kWh, LHV)	8,232	8,209
Gross heat rate (kj/kWh, LHV)	8,686	8,661
Gross efficiency (%)	41.5	41.6
Exhaust flow (lbs/sec)	404	808
Exhaust flow (kg/sec)	183	367
Exhaust temp (°F / °C)	791/422	791/422
Ramp rate (MW/minute)	30 to 50	60 to 100
Minimum start-up time	<5	<5
(cold iron; minutes)		
GT minimum turn down load with emissions (%)	50	50

FT4000® Steam Production Estimates												
				(dı	uct-fir	ed to	1000	°F)				
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Steam Flow (lb/hr)	240,000	\vdash	+	\dashv						-	_	-
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ADDITIONAL SPECS	FT4000 SWIFTPAC70	FT4000 SWIFTPAC140
Gas fuel hot section hours	25,000	25,000
Overhaul hours	50,000	50,000
Sound level, near field	85	85
(dBA average)		
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
	29 x 23 x 10	

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