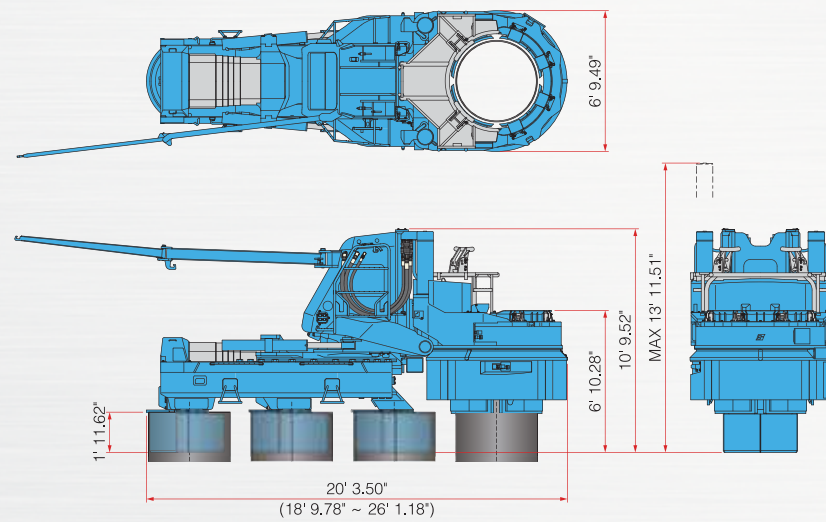
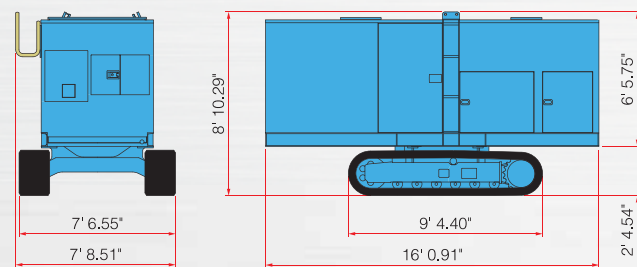


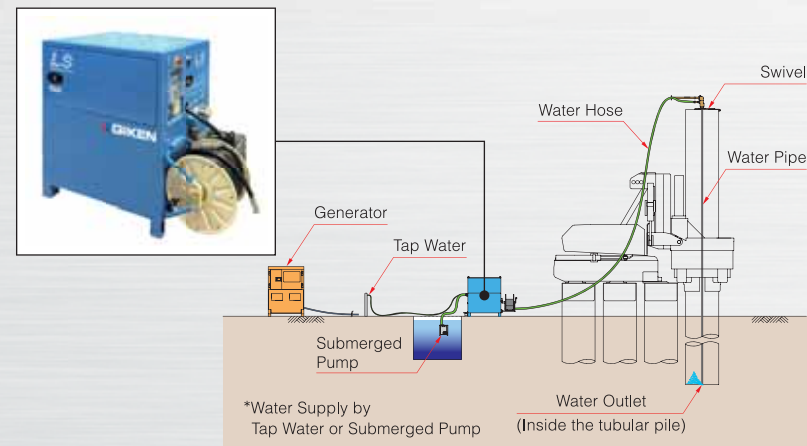
Dimensions & Specifications



Power Unit



Lubrication System



GYRO PILER	F401-G1200
Applicable Sheet Piles	Tubular Pile D40.00, 48.00 in Tubular Sheet Pile D32.00, 40.00 in ¹
Max. Press-in Force	with Chuck Rotation ² 168.6 ton(US) without Chuck Rotation 224.8 ton(US)
Max. Extraction Force	with Chuck Rotation ² 179.8 ton(US) without Chuck Rotation 247.2 ton(US)
Chuck Rotation Torque	3982.84 tonf · ft (Emergency Use up to 4646.64 tonf · ft)
Chuck Rotation Velocity	MAX 11.0 rpm
Stroke	39.37 in
Press-in Speed	2.29 ~ 16.07 ft/min
Extraction Speed	2.29 ~ 11.48 ft/min
Applicable Pile Spacing	for 32.00 in 34.00 ~ 52.80 in for 40.00 in 42.00 ~ 52.80 in for 48.00 in 50.00 ~ 60.20 in
Control System	Radio Control
Mass	for 32.00 in 70217 lb for 40.00 in 71870 lb for 48.00 in 74075 lb

¹ For Tubular Sheet Piles (Tubular Piles with external interlocks), optional Chuck jaws are required.

² An external power source is required for Chuck rotation. (200V-50/60Hz, 220V-60Hz, Min. 30KVA, 3 phases)

Power Unit	EU500C3
Power Source	Diesel Engine
Rated Output	Power Mode 505 HP / 1800 rpm Eco Mode 449 HP / 1600 rpm Super Eco Mode 392 HP / 1400 rpm
Fuel Tank Capacity	224 US gal
Hydraulic Reservoir	PILER ECO OIL 174 US gal
Moving Speed	0.86 mph
Mass	24140 lb (with 98.42 ft Hose)

Lubrication System	OP114A
Input Voltage(3 phases)	AC200V, 50/60Hz, 24KVA or more
Water Pump Discharge Rate	Max. 15 US gal/min
Water Pump Discharge Pressure	Max. 870.23 psi
Outer Dimension(W x D x H)	59.25 x 29.72 x 48.42 in
Water Tank Capacity	79 US gal
Mass(without water)	903 lb

The above specifications are subject to alteration without prior notice

GIKEN

GYRO PILER™ F401 - G1200

for Tubular Pile 32.00 ~ 48.00 in
Tubular Sheet Pile 32.00, 40.00 in



GIKEN

Construction Solutions Company

www.giken.com

CONTACT US



The Rotary Cutting Press-in Machine for a wide range of Tubular Piles and Tubular Sheet Piles

GYRO PILER™ F401-G1200

GYRO PILER™ F401-G1200

1 Gyropress Method™ (Rotary Jack-in Method)

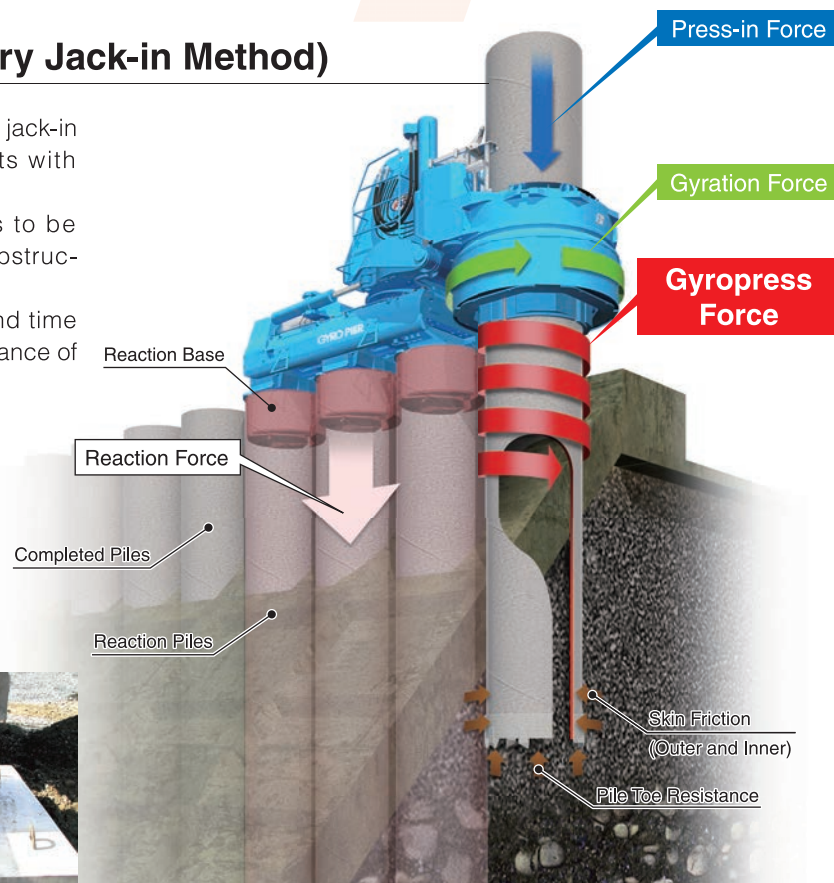
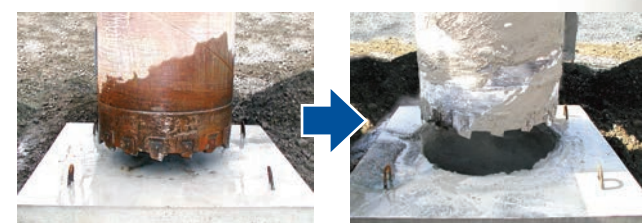
The Gyropress Method is a "reaction based" rotary jack-in method to install tubular piles with cutting bits with self-walking functions.

The Gyropress Method enables tubular piles to be installed through existing structures or buried obstructions.

Therefore, by this method, construction costs and time can be minimized simultaneously, due to the avoidance of enabling removal works.

Cutting Reinforced Concrete

The followings present cutting off performance through reinforced concrete (t = 31.49 in, σ_{ck} = 3480.91 psi, D0.63'@250 x 3 layers).



2 Applicable to a wide range of Tubular Piles and Tubular Sheet Piles

The F401-G1200 can install tubular piles (D32.00 in, 40.00 in and 48.00 in) and tubular sheet piles (D32.00 in and 40.00 in) by changing only the Chuck jaws and Clamp jaws.

Spacing between Clamps of the F401-G1200 can be adjusted by hydraulic cylinders at an optional distance.



*For Tubular Sheet Piles (Tubular Piles with external interlocks), optional Chuck jaws are required.

3 Outstanding Environmentally Friendly Design

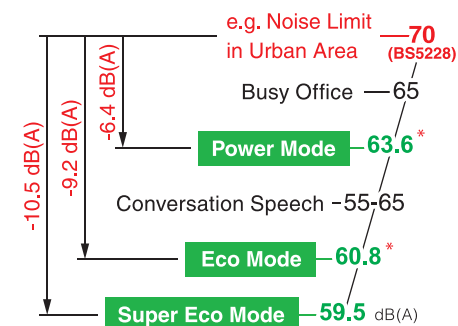
Low Emission Engine

The Power Unit for the F401 is a new generation model with environmentally friendly specifications. It is designed with strict concepts for clean emissions with high combustion efficiency and with GIKEN original hydraulic control technologies.



Ultra Low Noise Level

It clears allowable construction noise levels in many industrialized countries.



* Noise Level at 52.49 ft dB(A):A-weighted Decibels

Standard Application of Biodegradable Oil

The F401 uses bio-degradable PILER ECO OIL and PILER ECO Grease. Therefore, if hydraulic oil or grease is spilled into soil or water, there will be no environmental damage to the surrounding ecosystem. In addition, the machines are painted with TX-Free non-lead paint*.

* Environmentally friendly paint which does not contain toluene, xylene, and lead based pigment.



4 Scientific Execution of Press-in Work & Advanced IT Functions

GIKEN IT System

GIKEN engineers can monitor individual GYRO PILER operating condition, maintenance records, and location. Quick advice for any technical difficulties is available promptly. Appropriate information can also be provided to prevent additional issues.

* The system is not available in the countries where authorization for usage cannot be acquired.

Press-in Monitoring and Data Logging System

Press-in monitoring data can be used for quality control and for supporting information for foundations. Operators are able to keep working while checking data such as press-in force, auger torque, and working hours of press-in work on a tablet or PC (both devices optional).

