FAE

FOUNDATION ASSOCIATES ENGINEERING

THE POWER TO DRIVE

FAHH POWERPACKS

FAE had started full production of FAV hydraulic powerpacks since 2006. The FAV hydraulic powerpack designs were conceptualized after much feedback from end users on existing available powerpacks in the markets. Thus, FAV hydraulic powerpacks featured many improvements and additional features over existing available powerpacks in the construction industry. The FAV hydraulic powerpacks are designed to meet the demanding working conditions and performance requirement of any job, ensuring maximum quality and value for money for the end users.

- Tier 3 Turbo charged of conventional mechanical diesel engines for reliability and fuel economy.
- Hydraulic filter sensor and temperature sensor build into system for service indication.
- Open circuit hydraulic system using electronically controlled axial piston pumps.
- Lockable doors provide security and easy service access.
- Control panel function include, Engine RPM, Emergency stop and system load test.

SPECIFICATIONS	UNIT	POWERPACK FAV JOHN DEERE ENGINE	
ENGINE POWER OUTPUT	HP	240	350
ENGINE SPEED	RPM	1,800	1,800
PUMP MAX OIL FLOW	LPM	250	415
MAX WORKING PRESSURE	BAR	300	300
HYDRAULIC OIL CAPACITY	LITRE	800	800
DIESEL FUEL CAPACITY	LITRE	500	500
WEIGHT DRY / WET	KG	4,500	4,500 / 5,500
L X W X H	M	3.6 X 1.6 X 2.16	3.6 X 1.6 X 2.16
LOW OIL LEVEL CUT-OUT	-	STANDARD	STANDARD
HIGH OIL TEMPERATURE CUT-OUT	-	STANDARD	STANDARD

All technical data are purely for indicative [illegible] without notice.

FAHH HYDRAULIC POWERPACK

THE ULTIMATE PILE DRIVING MACHINE

FAHH HYDROHAMMER

TECHNICAL DATA

SALES • RENTAL • PARTS • SERVICE

FAE - Your Choice In Reliability

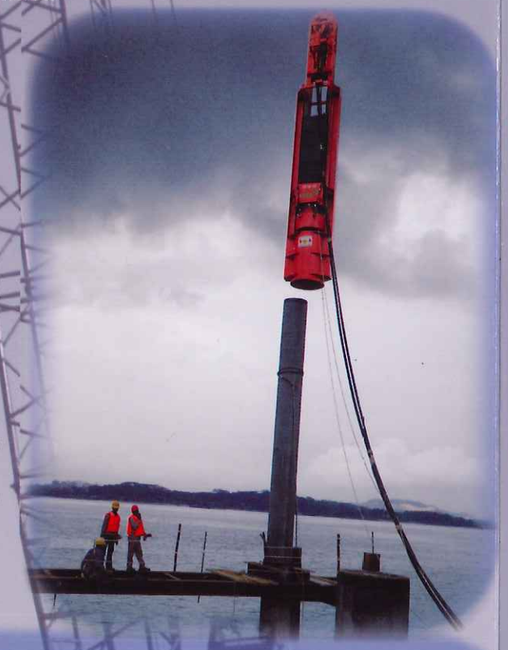
FAE - Your Choice In Reliability

FAE Foundation Associates Engineering is a manufacturer of world class leading edge hydraulic piling hammers. FAE has successfully develop a new generation of piling hammers with proprietary hydraulic circuits and innovative Operational features driven by the piling industry's stringent and exacting demand for increased impact efficiency, Ease of maintenance to minimize down-time and better environmental control.

The FAE hydraulic piling hammer is modular in design with simplicity And ease of maintenance underscoring its design principle. The hydraulic cylinder that lift the ram is, unlike other systems, mounted internally and their special construction not only facilitates the high impact efficiency of the piling operation but enable easy maintenance and Replacement.

Its proprietary hydraulic circuitry supports the rugged and exacting demand of the industry's piling needs. The simplicity in design, modular construction and interchangeability in parts facilitate ease in maintenance and minimize down-time.

The FAE hammers is one of the most contemporary environmentally compatible piling hammers. It is relatively quieter than conventional hammers. Its adjustable hammer strokes minimize vibrations and noise. The hammer dose not emit exhaust fumes making it safer and more comfortable for the operator to operate. The system can be adapted to accommodate operations in hazardous conditions.



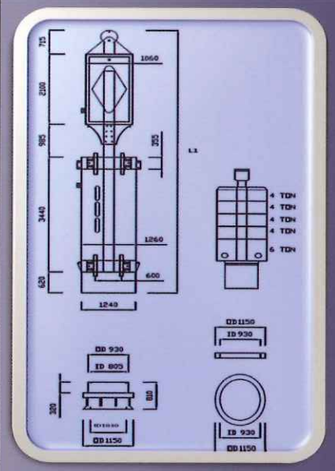
FAHH HYDRAULIC HAMMER

FAE

FOUNDATION ASSOCIATES ENGINEERING

HH TECHNICAL DATA

THE **POWER** TO DRIVE



HH14, Technical Dimensions.

HH14, Crane suspended, driving Steel tube bearing piles.

HH14, Driving at 800mm stroke 32 BPM, consistent impact value achieved.

The HH range of piling hammers were designed for driving a variety of piles including steel tubes, combi piles, 'H' sections and reinforced / pre-stressed concrete piles. Operated from piling rig leaders or crane suspended, the HH range has the following important features:

High Impact Efficiency

Its proprietary hydraulic circuitry and unique design support a hammer efficiency of above 90% and maintain a consistent impact value thus more energy-efficient than other makes.

Versatility

Versatile step-less controls on ram height, enable the operator to adjust to different piling requirements for different piles and conditions.

Ease Of Maintenance

Simplicity in design, modular construction and interchangeability in parts facilitate ease in maintenance and minimize down-time.

Performance data	Ram Mass	Max Impact Energy	Blow Rate Max Stroke	Max Stroke	Min Stroke	Hammer weight	Hammer to leader face	Max working Pressure	Hydraulic Flow required	Hammer Length	Hammer width	Hammer Depth
Model	KG	kNm	BPM	MM	MM	KG	MM	BAR	LPM	MM	MM	MM
HH 5	5,000	60	46	1,200	100	7,350	555	230	225	5,747	1,000	860
HH 7	7,000	84	41	1,200	100	9,350	555	250	225	6,317	1,000	860
HH 9	9,000	108	38	1,200	100	11,350	555	280	215	6,317	1,000	1,250
HH 11	11,000	132	29	1,200	100	13,350	555	300	190	6,887	1,000	1,250
HH 14	14,000	168	32	1,200	100	22,000	700	260	370	8,000	1,240	1,300
HH 16	16,000	192	32	1,200	100	24,000	700	270	370	8,200	1,240	1,300
HH 18	18,000	216	32	1,200	100	26,000	700	280	400	8,500	1,240	1,300
HH 20	20,000	240	30	1,200	100	28,000	700	290	415	8,700	1,240	1,300
HH 22	22,000	264	29	1,200	100	30,000	700	300	415	8,900	1,240	1,300
HH 26	26,000	312	28	1,000	200	34,000	750	300	600	10,000	1,240	1,300
HH 30	30,000	360	26	1,000	200	38,000	750	320	600	10,000	1,240	1,300

Specification subject to change due to continues hammer improvement.