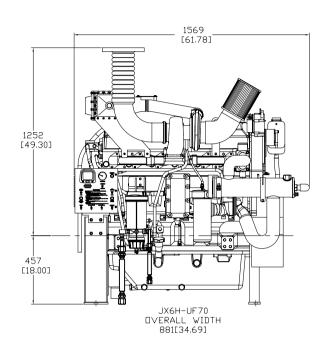


FM-UL-cUL Approved Ratings BHP/kW								
JX6H	OPERATING SPEED							
MODEL	14	70	17	760	2100			
UF30	350	261	420	313	430	322		
UF40	380	283	460	343	485	362		
UF50	405	302	485	362	510	380		
UF60	430	321	510	380	525	392		
UF70	485	362	575	429	575	429		

All engine models and ratings are USA EPA emissions compliant per NSPS (40 CFR Part 60 Sub Part IIII)

# **Engine Equipment**

Equipment	Standard	Optional		
Air Cleaner	Direct Mounted, Washable, Indoor Service	Disposable, Drip proof, Indoor Service Outdoor Type		
Alternator	24V-DC, 40 Amps; w/Belt Guard			
Coupling	Falk Coupling, Engine Half 1090T10 Coupling	Drive Shaft & Guard; SC2140 for UF30 & UF40 models, SC2155 for UF50, UF60 & UF70 models Bare Flywheel		
Droop	4.5%	0%		
Exhaust Blankets	For Manifolds & Turbocharger			
Exhaust Flex Connection	SS Flex, 150# Flange, 6"	SS Flex, 150# Flange, 8"		
Flywheel Housing	S.A.E. #2			
Flywheel Power Take Off	11.5" S.A.E. Industrial Flywheel Connection			
Fuel Connections	Fire Resistant Flexible Supply & Return Lines			
Fuel Filter	Primary Filter w/Priming Pump			
Fuel Injection System	Unit Injectors w/electronic control			
Engine Heater	230V-AC, 2500 Watt	115V-AC, 2500 Watt		
Governor, Speed	Electronic, dual electronic controle modules			
Heat Exchanger	Tube & Shell Type, 60 PSI w/NPTF Connections			



Equipment	Standard	Optional
Instrument Panel	Multimeter to display: Tachometer, Hourmeter, Water Temperature & Oil Pressure. Voltmeter with selector switch	
Junction Box	Integral with Instrument Panel; For DC Wiring Interconnec- tion to Engine Controller	
Lube Oil Cooler	Engine Water Cooled, Plate Type	
Lube Oil Filter	Full Flow w/By-Pass Valve	
Lube Oil Pump	Gear Driven, Gear Type	
Manual Start Controls	On Instrument Panel	
Overspeed Control	Electronic w/Reset	
Raw Water Solenoid Operation	Automatic from Engine Controller & from Instrument Panel	
Run-Stop Control	On Instrument Panel With Control Position Warning Light	
Starter	One (1) 24V-DC w/2 Start Contactors	
Throttle Control	Adjustable Speed Control by increase/decrease button, Tamper Proof	
Water Pump	Gear Driven, Centrifugal Type	

Note: Engine Controller needs 2 additional signals: Injector Failure, Alternate ECM Selected Meets









## **Specifications**

lko wa	JX6H Models								
Item	UF30	UF60	UF70						
Number of Cylinders	6								
Aspiration	TJWA	TRWA							
Rotation*		Clockwise (CW)							
Weight - lb (kg)	3150 (1429	429 3250 (1474)							
Compression Ratio	16:1								
Displacement - cu. in. (I)	766 (12.5)								
Engine Type	4 Cycle - Inline								
Bore & Stroke - in. (mm)	5.00 (127) x 6.50 (165)								
Installation Drawing	D - 546								
Wiring Diagram	C07957								
Engine Series	John Deere 6125 Series								

Abbreviations: CW - Clockwise TJWA - Turbocharged with Jacket Water Aftercooling TRWA - Turbocharged with Raw Water Aftercooling \*Rotation viewed from Heat Exchanger / Front of engine CCW Rotation is not available.

Engine intended for Indoor use or inside weatherproof enclosure only

## † ENGINE RATINGS BASELINES

Engines are rated at standard SAE conditions of 29.61 in. (7521 mm) Hg barometer and 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing laboratory (see SAE Standard J 1349).

A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m).

A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature.

## **CERTIFIED POWER AT ANY SPEED**

Although FM-UL Certified BHP ratings are shown at specific speeds, Clarke engines can be applied at any intermediate speed, but must be factory set for final desired speed. To determine the intermediate certified power, make a linear interpolation from the Clarke FM-UL certified power curve. Contact Clarke or your Pump OEM representative to obtain details.

# **CLARKE**

www.clarkefire.com

**CLARKE** Fire Protection Products, Inc.

3133 E. Kemper Rd. Cincinnati, Ohio 45241 United States of America

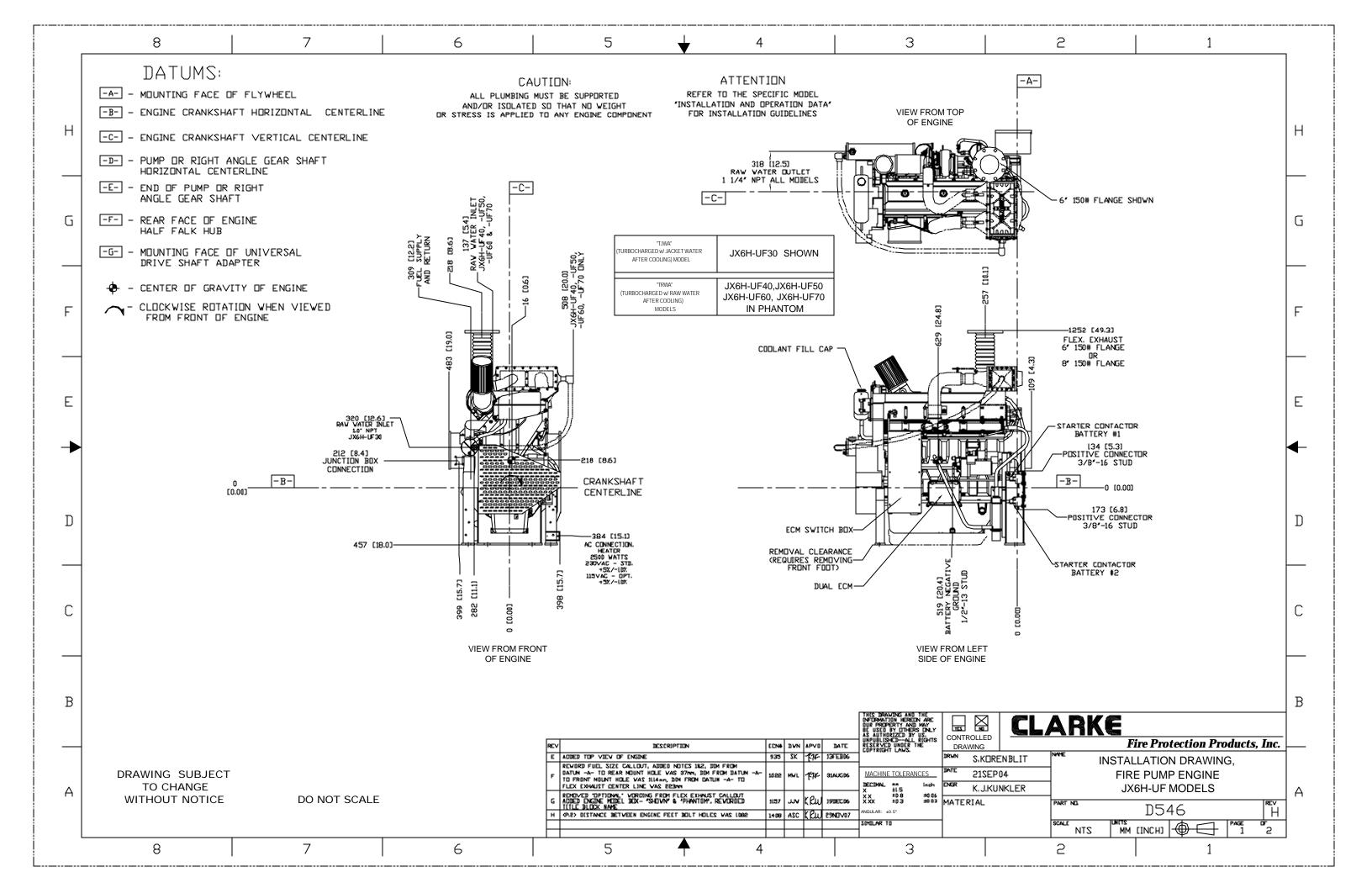
Tel +1-513-771-2200 Fax +1-513-771-0726

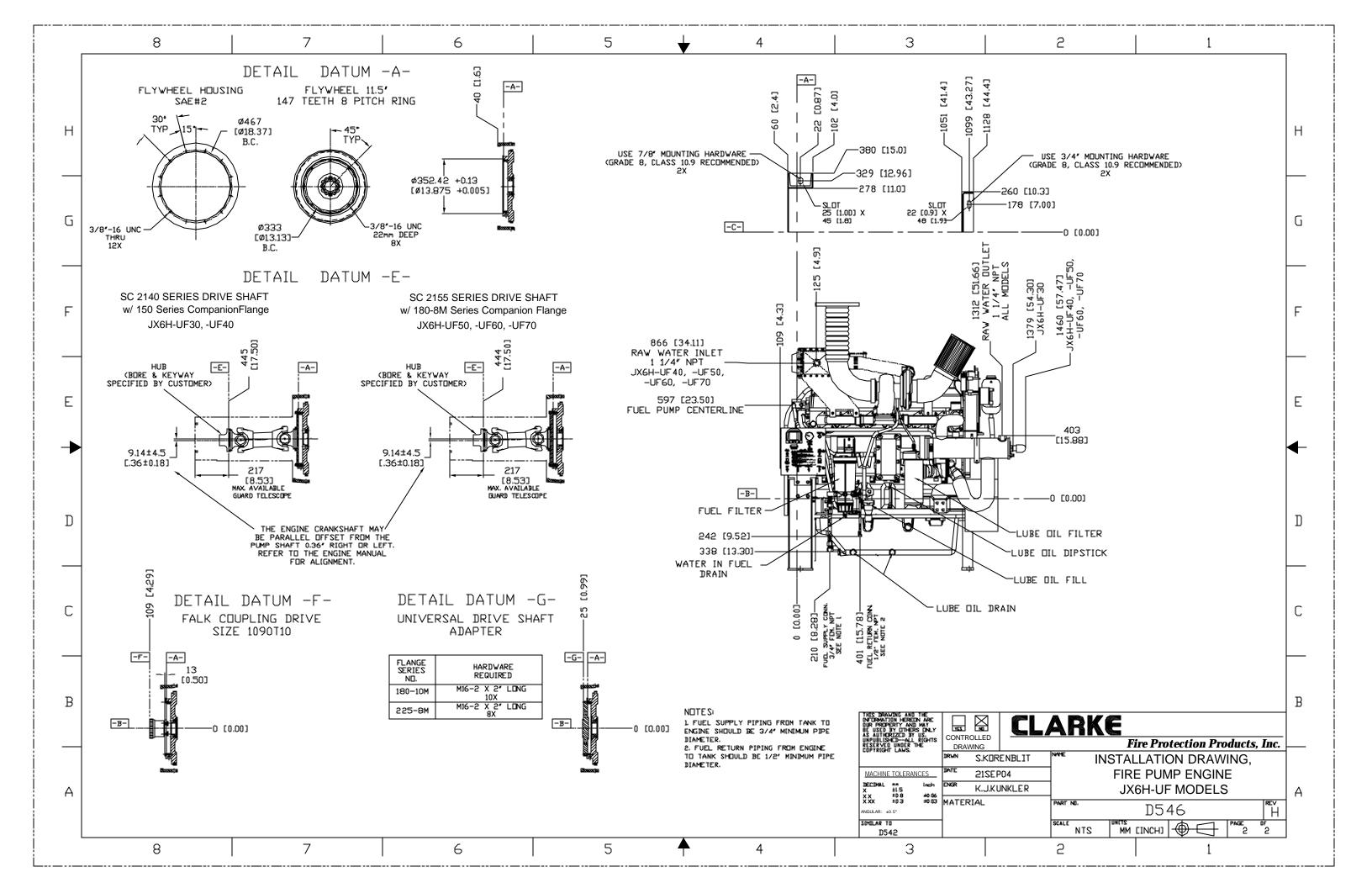
**Fire Protection Products** 

**CLARKEUK**, Ltd.

Grange Works, Lomond Rd. Coatbridge, ML5-2NN United Kingdom

Tel +44-1236-429946 Fax +44-1236-427274



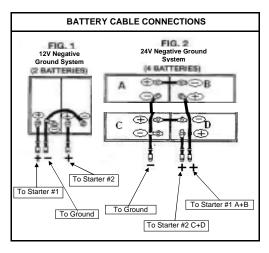


## **CLARKE USA SUPPLIED LEAD-ACID BATTERY SPECIFICATIONS**

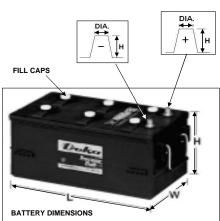
							PERFORMANCE DATA								
Clarke P/N	Clarke P/N Battery SAE # per J537 Mfg.		Mfg.	Charge? Wet/Dry	Volts (V)	Dimensions L x W x H in. (mm)	Weight		Post Connector Dimensions in. (mm) Dia. x H		Number of Quarts of Battery Acid		Cranking Amps @ 32º F (CA)	Reserve @ 80° F (min) <sup>3B</sup>	Rating @ 80° F (Amp Hours)
					III. (IIIIII)	Wet lb (kg)	Dry lb (kg)	positive	negative	(Liters)	(CCA) 3A	32 T (CA)	(min)	(Amp riours)	
C07634	C07634 904D-DRY 4D-640		Dry	12	20.75 x 8.50 x 10.50	98 (44.5)	58 (26.3)	3/4 x 3/4	5/8 x 3/4	16 (15.1)	1010	1235	290	135	
007004		DEKA			(512.1 x 215.9 x 266.7)			(19.1 x 19.1)	(15.9 x 19.1)						
C07633	C07633 908D-DRY 8D-900		Dry	12	20.75 x 11.00 x10.00	130.5 (59.2)	80 (36.3)	3/4 x 3/4	5/8 x 3/4	18.5	1300	1550	430	185	
007000		32 900		Siy	.2	(521.1 x 279.4 x 254)	100.0 (09.2)	` ′	(19.1 x 19.1)	(15.9 x 19.1)	(17.5)	1000	1000	430	103

BATTERY REQUIRED								
Engine Model	Battery Model #	Battery P/N						
JU4H-UF10/12/14/20/22/ 24/28/30/32/34/H8/H0/ H2/40/42/44/58/50/52/ 54/84	904D-DRY	C07634						
JU6H-UFD0/D2/30/32/ 34/G8/M8/M0/M2/58/50/ 52/54/68/60/62/84								
JW6H-UF38/30/48/40/ 58/50/60	908D-DRY	C07633						
JX6H-UF30/40/50/60/70	300D-DK1	00/033						

- Battery equipped with handles or lifting edges.
  Battery Construction- polypropylene container and cover.
- 3) Meets SAE storage battery requirements for SAE J537 JUN92
- 3A) While discharging specified amps, the battery voltage across terminals after 30 seconds is 1.2
- 3B) Time (minutes) to discharge battery at 25 amps when voltage across battery terminals has
- 4) Battery should set into a battery rack on 1/2" plywood (or equal) to provide insulation and support.



### **BATTERY POST TERMINALS**



C131885 REV.B KRW 20FEB 08

