



JOHN DEERE

Stage 3A Generator Drives

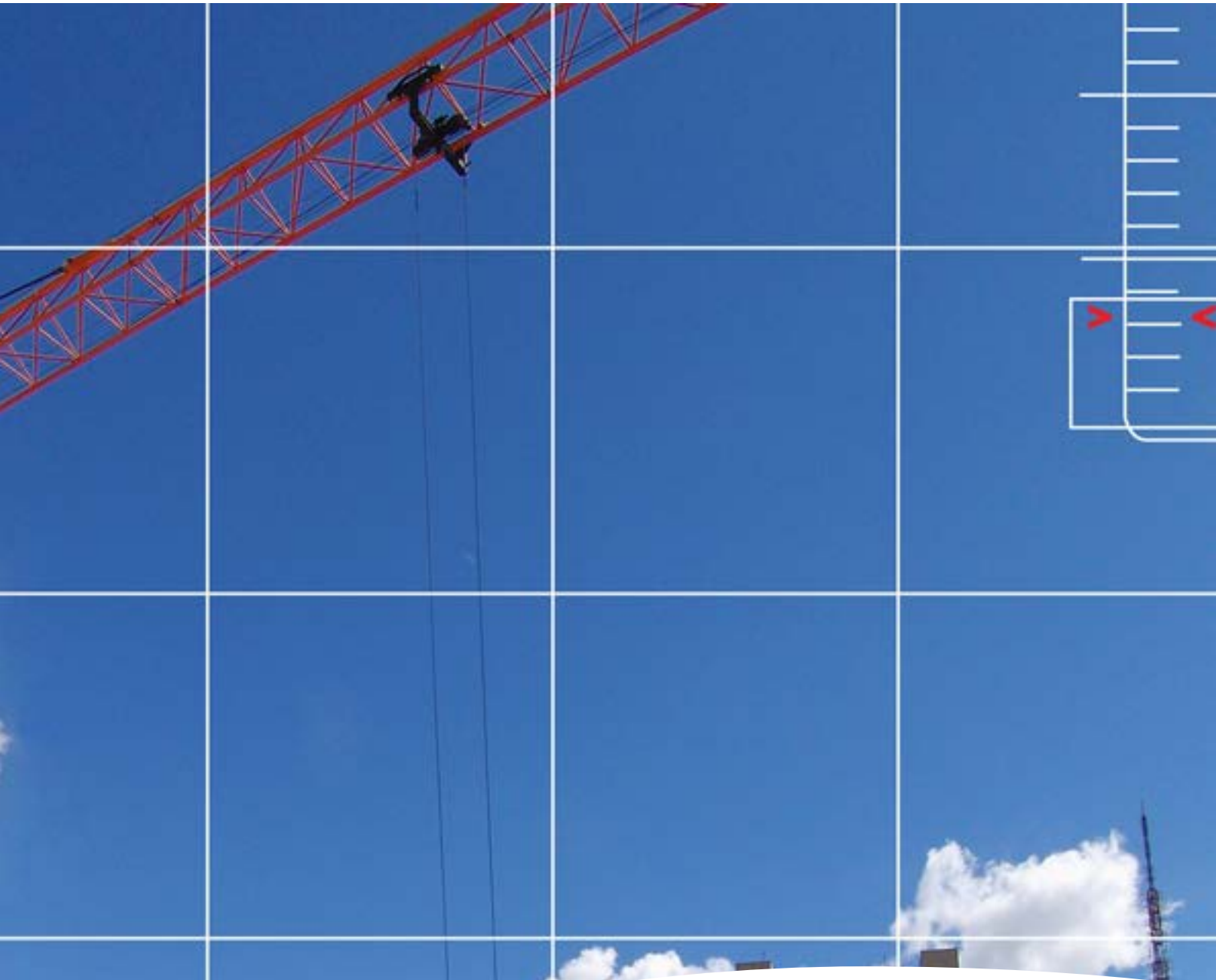


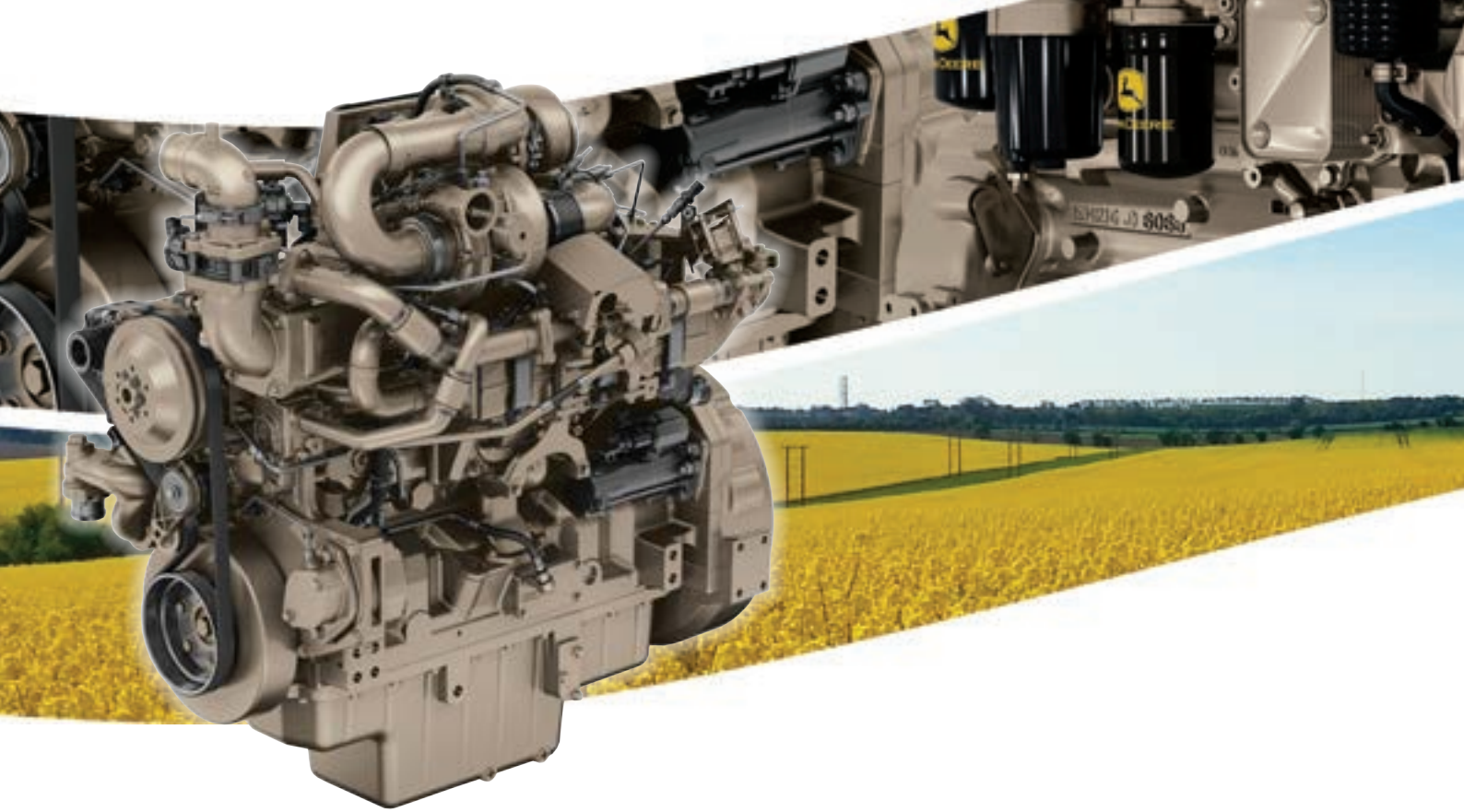
PowerTech M

Output : 28 kW (38 hp) - 61 kW (82 hp)

PowerTech E

Output : 75 kW (101 hp) - 287 kW (384 hp)





EASY MAINTENANCE

John Deere design their engines to facilitate maintenance. The interchangeable wet sleeves enable better temperature control in the combustion chamber and optimize engine performance. They can be replaced on site without having to remove the engine, thus minimizing the machine's downtime and maintenance costs. By using helical-cut gears, engine noise is reduced along with maintenance costs. The crankshaft bearings, camshafts and cylinder heads are also interchangeable.

RELIABILITY

John Deere's sturdy, compact engine blocks are the basis of our products' longevity. But John Deere is also the guarantee of numerous technological assets, which themselves are synonymous with reliability. For example, the dynamically balanced moving parts, such as the track rod and crankshaft, make the engine quieter and limit vibrations, while the automatic belt tightener minimizes maintenance costs and increases belt life. In addition, several functions, such as the thermostat box and the intake air collector, have been built into the cylinder head to limit the risk of leakage.

EASY INSTALLATION

The engine is installed into the machine by using the engine block's front and side mounts. John Deere offer several options and variants in order to ensure their engines' perfect integration and guarantee easy access to the service points for the entire service life of the engine.

QUALITY

John Deere's continuing research and development efforts are the key to the constant improvement of their engines. The commitment to technology excellence and a rigorous manufacturing process are the best guarantees of each John Deere engine's precision. Performance, fuel efficiency, reliability and easy installation, in keeping with environmental standards, are the key words that characterize their engines.

Stage 3A Generator Drives



GSPU model*	Engine Power Prime		Prime Ratings		Typical Generator Efficiency	Typical Fan Power
	kW	hp	kVA	kWe**	%	kW
PowerTech M						
3029TFU80	28	38	29 - 31	24 - 25	88 - 92	1.3
	32	42	32 - 34	26 - 27	88 - 92	2.2
3029HFU80	37	50	39 - 41	31 - 33	88 - 92	1.4
	42	56	43 - 45	34 - 36	88 - 92	2.4
4045HFU81	57	77	61 - 63	48 - 51	88 - 92	2
	61	82	63 - 66	50 - 53	88 - 92	3.4
Powertech E						
4045HFU82	76	101	81 - 84	64 - 67	88 - 92	2
	78	105	82 - 86	65 - 69	88 - 92	3.4
	94	126	98 - 103	79 - 82	88 - 92	4
	96	129	98 - 103	78 - 82	88 - 92	6.7
	112	150	116 - 121	92 - 97	88 - 92	6
	115	154	113 - 119	91 - 95	88 - 92	10.3
6068HFU82	139	187	144 - 151	115 - 121	88 - 92	7.3
	142	190	140 - 148	112 - 118	88 - 92	12.6
	184	246	193 - 202	154 - 162	88 - 92	7.3
	193	259	197 - 206	157 - 165	88 - 92	12.6
6090HFU84	230	309	240 - 252	192 - 201	90 - 94	15.2
	235	315	241 - 252	192 - 202	90 - 94	18.9
	277	371	292 - 306	234 - 245	90 - 94	15.2
	287	384	299 - 313	239 - 251	90 - 94	18.9