Industrial Off-Highway Applications

Diesel Engine Ratings

JOHN DEERE





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JohnDeere.com/EngineFAQ



CONTENTS

Run with confidence 4–5
Conversions/Application ratings.....6–7
Final Tier 4/Stage V engines 8–23
Final Tier 4 engines.....24–31
Tier 3/Stage III A equivalent engines... 32–43
Non-emissions certified engines ... 44–57
Always at your side 58
Worldwide locations 59





Run with confidence

You can count on John Deere PowerTech™ industrial engines to start in the morning, operate efficiently all day, and work reliably for many years. You also get the confidence of having the John Deere integration and support network at your side every step of the way.

Off-highway experience

John Deere specializes in rugged off-highway applications. That's why our engines are built with heavy-duty components, top-liner cooling, steel pistons to maximize reliability, and wet-type cylinder liners for long-haul durability.

The power of choice

With John Deere, you get a wide range of configurations and accessories so you can specify the right engine that best fits your application. Our preconfigured options can help save hours of engineering time and help you get machines to market faster.

Integration assistance

You get expert integration assistance provided by John Deere engineers and distributors. OEMs can put our application engineering experience and know-how to work to help save development time and money.

Customer support

With more than 4,000 John Deere service locations worldwide, you never have far to go to find expert assistance and advice.

Fast parts delivery

Our distributors and dealers stock maintenance parts, as well as many other common replacement parts, to meet your service needs quickly. Our worldwide parts distribution system offers overnight delivery in most regions.

Conversions

From English to SI (Metric)

Torque

Nm = 1.3558 x lb-ft
lb-ft = .73756 x Nm
Nm = (9549 x kW)/rpm
lb-ft = (5252 x hp)/rpm

Power

hp = kW x 1.341
kW = hp x .746
kW = (torque (Nm) x rpm)/9549
Hp = (torque (lb-ft) x rpm)/5252

Nm = Newton meters
lb-ft = foot-pounds
kW = kilowatts
hp = horsepower

Torque Rise

% Torque rise = max torque/torque at rated speed

Power Bulge

Power bulge = maximum power/power at rated speed



Application ratings

Intermittent Power Rating*

For industrial applications that operate where power and/or speeds are cyclic and whose average load cycle or annual usage factor is the lowest of the application's ratings, as specified by JDPS Application Guidelines. Typical applications include air compressors, concrete saws, compactors, crushers, forklifts, street sweepers, specialty harvesters, winches, and wood chippers.

Heavy-Duty Power Rating*

For industrial applications that operate where power and/or speeds are cyclic and have an increased average load cycle or annual usage factor over intermittent type applications, as specified by JDPS Application Guidelines. Typical applications can be working motive type applications.

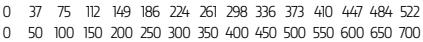
Continuous Power Rating*

For industrial applications where the engine is operated at a constant speed and maximum power on a continuous basis (100% of time) without interruption. Typical applications are dewatering pumps and irrigation pumps.

**Descriptions and applications are for reference only. Contact your John Deere engine distributor or dealer for final determination of the appropriate rating.*

Final Tier 4/Stage V
Industrial engine power ratings

PowerTech technology	Engine model	Power ratings	Turbo	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size	Power range
EWX 2.9L	3029HI530	36 – 55 kW (48 – 74 hp)	WGT	-	DOC/DPF	2	-	
EWX 4.5L	4045TI530	55 kW (74 hp)	WGT	-	DOC/DPF	2	-	
PWS 4.5L	4045HI550	74 – 104 kW (99 – 140 hp)	WGT	Yes	DOC/DPF/SCR	2	3	
PSS 4.5L	4045CI550	93 – 129 kW (125 – 173 hp)	Series	Yes	DOC/DPF/SCR	3	3	
PSS 4.5L	4045CI551	116 – 129 kW (156 – 173 hp)	Series	Yes	DOC/DPF/SCR	4	4	
PVS 6.8L	6068HI550	104 – 129 kW (140 – 173 hp)	VGT	Yes	DOC/DPF/SCR	3	3	
PVS 6.8L	6068HI550	138 – 187 kW (185 – 250 hp)	VGT	Yes	DOC/DPF/SCR	4	4	
PSS 6.8L	6068CI550	168 – 187 kW (225 – 250 hp)	Series	Yes	DOC/DPF/SCR	4	4	
PSS 6.8L	6068CI550	187 – 224 kW (250 – 300 hp)	Series	Yes	DOC/DPF/SCR	5	5	
PSS 9.0L	6090CI550	187 – 242 kW (250 – 325 hp)	Series	Yes	DOC/DPF/SCR	5	5	
PSS 9.0L	6090CI550	261 – 317 kW (350 – 425 hp)	Series	Yes	DOC/DPF/SCR	6	6	
PSS 13.5L	6135CI550	309 – 448 kW (414 – 601 hp)	Series	Yes	DOC/DPF/SCR	7	7	
PWS 13.6L	6136HI550	300 – 410 kW (400 – 550 hp)	WGT	Yes	DOC/DPF/SCR	6		
PSS 13.6L	6136CI550	391 – 510 kW (525 – 684 hp)	Series	Yes	DOC/DPF/SCR	7		





Final Tier 4/Stage V engine technology

PowerTech EWX

EWX engines are compact, powerful, cost-effective, and simple to install without requiring cooled EGR or SCR. Our straightforward PowerTech EWX engines have 2-valve cylinder heads, high-pressure common-rail fuel systems, and full authority electronic controls. They use simple wastegate turbocharging to maintain transient response and peak torque in all operating conditions.

PowerTech PWS

PWS engines combine advanced combustion technologies, enhanced engine calibration, and simple wastegate turbocharging. PWS engines feature PowerTech Plus technology with a DOC/DPF and an SCR system that reduce emissions while maximizing performance.

PowerTech PVS

PVS engines deliver excellent power, torque, and fluid economy. They utilize our proven PowerTech Plus technology with variable geometry turbocharging, a DOC/DPF, and an SCR system to improve combustion efficiency, reduce emissions, enhance performance, and improve fluid economy.

PowerTech PSS

PSS engines provide a powerful combination of power density, performance, and fluid efficiency. For ultimate performance in off-highway applications, PowerTech PSS engines can handle almost any job. All displacements feature series turbochargers to deliver excellent performance and responsiveness. PSS engines feature proven PowerTech Plus technology that includes a DOC/DPF and an SCR system designed specifically for off-highway applications.

Final Tier 4/Stage V 2.9L engines



Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech EWX										
3029HI530	36	48	2400	36	48	2400	192	142	1600	Cont, HD, Int
3029HI530	36	48	2200	36	48	2200	209	154	1600	Cont, HD, Int
3029HI530	48	64	2400	48	64	2400	254	187	1600	Cont*, HD, Int
3029HI530	48	64	2200	48	64	2200	280	207	1600	Cont*, HD, Int
3029HI530	55	74	2400	55	74	2400	292	215	1600	Cont*, HD, Int
3029HI530	55	74	2200	55	74	2200	304	224	1600	Cont*, HD, Int

**Application ratings that apply to 3029HI530.*

Performance				
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech EWX 2.9L	-	Up to 34%	Up to 120%	WGT

Emissions technology				
Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech EWX 2.9L	-	DOC/DPF	2	-

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech EWX 2.9L	715	28.1	596	23.5	956	37.6	400	882

Final Tier 4/Stage V 4.5L engines



Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech EWX										
4045TI530	55	74	2400	55	74	2400	304	224	1600	Cont, HD, Int
4045TI530	55	74	2200	55	74	2200	304	224	1600	Cont, HD, Int
PowerTech PWS										
4045HI550	74	99	2200	80	107	2000	427	315	1600	Cont, HD, Int
4045HI550	86	116	2200	88	118	1900	506	374	1600	Cont, HD, Int
4045HI550	93	125	2400	93	125	2400	493	364	1600	Cont, HD, Int
4045HI550	93	125	2200	94	126	2100	536	396	1600	Cont, HD, Int
4045HI550	104	140	2400	104	140	2400	540	398	1600	Cont, HD, Int
4045HI550	104	139	2200	104	139	2200	540	399	1600	Cont, HD, Int
PowerTech PSS (High Profile)										
4045CI550	93	125	2200	96	128	1900	537	396	1600	Cont, HD, Int
4045CI550	93	125	2200	100	134	2000	537	396	1600	Cont, HD, Int
4045CI550	104	140	2200	107	143	1900	601	443	1600	Cont, HD, Int
4045CI550	104	140	2200	112	151	2000	601	443	1600	Cont, HD, Int
4045CI550	116	155	2200	116	155	2200	667	492	1600	HD, Int
4045CI550	116	155	2200	125	168	2000	667	492	1600	HD, Int
4045CI550	129	173	2200	129	173	2200	667	492	1600	Int
PowerTech PSS (Low Profile)										
4045CI551	116	156	2200	116	156	2200	667	492	1600	HD, Int
4045CI551	116	156	2200	125	167	2000	667	492	1600	HD, Int
4045CI551	116	156	2400	116	156	2400	616	455	1600	HD, Int
4045CI551	116	156	2400	125	168	2200	616	455	1600	HD, Int
4045CI551	129	173	2200	129	173	2200	667	492	1600	Int
4045CI551	129	173	2400	129	173	2400	667	492	1600	Int

Performance

Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech EWX 4.5L	-	Up to 39%	Up to 119%	WGT
PowerTech PWS 4.5L	Up to 8%	Up to 33%	Up to 122%	WGT
PowerTech PSS 4.5L	Up to 8%	Up to 33%	Up to 117%	Series

Emissions technology

Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech EWX 4.5L	No	DOC/DPF	2	-
PowerTech PWS 4.5L	Yes	DOC/DPF/SCR	2	3
PowerTech PSS 4.5L HP	Yes	DOC/DPF/SCR	3	3
PowerTech PSS 4.5L LP	Yes	DOC/DPF/SCR	4	4

Specifications

Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech EWX 4.5L	870	34.3	720	28.3	960	37.8	510	1124
PowerTech PWS 4.5L	870	34.3	650	25.6	1050	41.3	550	1213
PowerTech PSS 4.5L HP	870	34.3	635	25	1130	44.5	570	1257
PowerTech PSS 4.5L LP	870	34.3	745	29.3	982	38.7	570	1257



Final Tier 4/Stage V
6.8L engines



Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech PVS										
6068HI550	104	140	2400	104	140	2400	556	410	1600	Cont, HD, Int
6068HI550	104	140	2400	112	151	2200	556	410	1600	Cont, HD, Int
6068HI550	104	140	2200	106	142	2100	613	452	1600	Cont, HD, Int
6068HI550	104	140	2200	112	151	2000	613	452	1600	Cont, HD, Int
6068HI550	116	156	2400	117	157	2300	619	457	1600	Cont, HD, Int
6068HI550	116	156	2400	125	168	2200	619	457	1600	Cont, HD, Int
6068HI550	116	156	2200	119	159	2200	676	499	1600	Cont, HD, Int
6068HI550	116	156	2200	125	168	2000	676	499	1600	Cont, HD, Int
6068HI550	129	173	2400	129	173	2400	688	508	1600	Cont, HD, Int
6068HI550	129	173	2400	139	187	2200	688	508	1600	Cont, HD, Int
6068HI550	129	173	2200	132	177	2000	745	550	1600	Cont, HD, Int
6068HI550	129	173	2200	140	187	2000	756	558	1600	Cont, HD, Int
6068HI550	138	185	2400	138	185	2400	741	547	1600	Cont, HD, Int
6068HI550	138	185	2400	152	204	2200	741	547	1600	Cont, HD, Int
6068HI550	138	185	2200	152	204	2000	809	597	1600	Cont, HD, Int
6068HI550	138	185	2200	152	204	1800	890	657	1600	Cont, HD, Int
6068HI550	149	200	2400	149	200	2400	800	590	1600	Cont, HD, Int
6068HI550	149	200	2400	164	220	2200	800	590	1600	Cont, HD, Int
6068HI550	149	200	2200	164	220	2000	873	644	1600	Cont, HD, Int
6068HI550	149	200	2200	164	220	1800	963	711	1600	Cont, HD, Int
6068HI550	168	225	2400	168	225	2400	900	664	1600	HD, Int
6068HI550	168	225	2400	185	248	2200	900	664	1600	HD, Int
6068HI550	168	226	2200	185	248	2000	970	716	1600	HD, Int
6068HI550	168	226	2200	185	247	1800	1000	738	1700	HD, Int
6068HI550	187	251	2400	190	255	2200	1000	738	1700	Int
6068HI550	187	251	2200	190	255	2000	1000	738	1700	Int
6068HI550	187	251	2200	187	251	2000	1000	738	1700	Int
PowerTech PSS										
6068CI550	168	225	2400	185	247	2100	1000	738	1600	Cont, HD, Int
6068CI550	168	225	2200	182	244	2000	1000	738	1600	Cont, HD, Int
6068CI550	187	250	2400	187	250	2400	1026	757	1600	Cont, HD, Int
6068CI550	187	250	2200	187	250	2200	1026	757	1600	Cont, HD, Int
6068CI550	205	275	2400	207	277	2100	1057	780	1700	HD, Int
6068CI550	205	275	2200	206	277	2200	1057	780	1700	HD, Int
6068CI550	224	300	2400	224	300	2400	1141	842	1600	Int
6068CI550	224	300	2200	224	300	2200	1141	842	1600	Int

Performance

Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech PVS 6.8L	Up to 10%	Up to 36%	Up to 128%	VGT
PowerTech PSS 6.8L	Up to 10%	Up to 49%	Up to 119%	Series

Emissions technology

Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech PVS 6.8L	Yes	DOC/DPF/SCR	3,4	3,4
PowerTech PSS 6.8L	Yes	DOC/DPF/SCR	4,5	4,5

Specifications

Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech PVS 6.8L	1160	45.7	720	28.3	1350	53.1	770	1698
PowerTech PSS 6.8L	1160	45.7	780	30.7	1205	47.4	785	1731

Final Tier 4/Stage V 9.0L engines



Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech PSS										
6090CI550	187	251	2200	192	257	2000	1120	827	1600	Cont, HD, Int
6090CI550	187	251	2200	206	276	2000	1120	827	1600	Cont, HD, Int
6090CI550	187	251	2000	207	277	1700	1232	909	1600	Cont, HD, Int
6090CI550	205	275	2200	211	283	1900	1228	906	1600	Cont, HD, Int
6090CI550	205	275	2200	226	302	2000	1228	906	1600	Cont, HD, Int
6090CI550	205	275	2000	227	305	1700	1351	997	1600	Cont, HD, Int
6090CI550	224	300	2200	230	309	1900	1341	990	1600	Cont, HD, Int
6090CI550	224	300	2200	247	331	2000	1341	990	1600	Cont, HD, Int
6090CI550	224	301	2000	248	332	1700	1477	1090	1600	Cont, HD, Int
6090CI550	242	325	2200	248	332	2000	1450	1070	1600	Cont, HD, Int
6090CI550	242	325	2200	266	357	2000	1450	1070	1600	Cont, HD, Int
6090CI550	242	325	2000	267	358	1700	1595	1177	1600	Cont, HD, Int
6090CI550	261	350	2200	268	360	1900	1563	1154	1600	HD, Int
6090CI550	261	350	2200	287	385	2000	1563	1154	1600	HD, Int
6090CI550	261	350	2000	287	385	1800	1685	1244	1600	HD, Int
6090CI550	280	375	2200	287	385	1900	1671	1233	1600	Int
6090CI550	280	375	2200	308	413	2000	1671	1233	1600	Int
6090CI550	280	375	2000	301	403	1800	1685	1244	1600	Int
6090CI550	298	400	2200	299	401	2100	1685	1244	1600	Int
6090CI550	298	400	2200	316	424	2000	1685	1244	1600	Int
6090CI550	298	400	2000	301	403	1800	1685	1244	1600	Int
6090CI550	317	425	2200	317	425	2200	1685	1244	1600	Int

Performance				
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech PSS 9.0L	Up to 10%	Up to 38%	Up to 132%	Series

Emissions technology				
Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech PSS 9.0L	Yes	DOC/DPF/SCR	5,6	5,6

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech PSS 9.0L	1326	52.2	879	34.6	1266	49.8	1097	2418



Final Tier 4/Stage V
13.5L engines



Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech PSS										
6135CI550	309	414	2100	326	437	1700	1986	1465	1550	Cont, HD, Int
6135CI550	309	414	2100	352	472	1900	1986	1465	1550	Cont, HD, Int
6135CI550	317	425	2100	335	449	1700	2037	1502	1550	Cont, HD, Int
6135CI550	317	425	2100	361	484	1900	2037	1502	1550	Cont, HD, Int
6135CI550	336	451	2100	355	476	1700	2160	1593	1550	Cont, HD, Int
6135CI550	336	451	2100	376	504	1900	2160	1593	1550	Cont, HD, Int
6135CI550	373	500	2100	394	528	1700	2397	1768	1550	Cont, HD, Int
6135CI550	373	500	2100	418	561	1900	2397	1768	1550	Cont, HD, Int
6135CI550	392	526	2100	413	554	1700	2520	1859	1550	HD, Int
6135CI550	392	526	2100	439	589	1900	2520	1859	1550	HD, Int
6135CI550	410	550	2100	432	579	1700	2638	1946	1550	Int
6135CI550	410	550	2100	459	616	1900	2638	1946	1550	Int
6135CI550	448	601	2100	460	617	1900	2750	2028	1550	Int

Performance				
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech PSS 13.5L	Up to 14%	Up to 41%	Up to 121%	Series

Emissions technology				
Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech PSS 13.5L	Yes	DOC/DPF/SCR	7	7

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech PSS 13.5L	1501	59.1	955	37.6	1551	61.1	1500	3307



Final Tier 4/Stage V 13.6L engines



Next generation Integrated Emissions Control system

- Durable inline aftertreatment provides ease of application integration
- Can be mounted horizontally or vertically
- Fewer connection points than the previous generation
- Robust aftertreatment performance



Exceptional power in a small package

- Multiple gear-driven auxiliary drive locations
- Integrated rear PTO
- Maintenance-free valve lash
- Single- and dual-turbo configurations

Engine model	Power		Rated speed	Peak power			Peak torque			Application rating
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech PWS										
6136HI550	300	402	2100	324	434	1900	1986	1465	1550	Cont, HD, Int
6136HI550	336	450	2100	363	486	1900	2192	1617	1550	Cont, HD, Int
6136HI550	373	500	2100	403	540	1900	2397	1768	1550	Cont, HD, Int
6136HI550	410	550	2100	415	556	2000	2510	1851	1550	Cont, HD, Int
PowerTech PSS										
6136CI550	391	524	2100	421	565	1900	2495	1840	1550	Cont, HD, Int
6136CI550	436	585	2100	446	598	1800	2745	2025	1550	Cont, HD, Int
6136CI550	484	649	2100	495	664	1900	3050	2250	1550	HD, Int
6136CI550	510	684	2100	513	688	1700	3050	2250	1550	Int

Performance

Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech PWS 13.6L	Up to 8%	Up to45%	Up to 132%	WGT
PowerTech PSS 13.6L	Up to 8%	Up to 40%	Up to 114%	Series

Emissions technology

Engine	Cooled EGR	Aftertreatment	Exhaust unit size
PowerTech PWS 13.6L	Yes	DOC/DPF/SCR	6
PowerTech PSS 13.6L	Yes	DOC/DPF/SCR	7

Specifications

Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech PWS 13.6L	1496	58.9	890	35	1366	53.8	1468	3237
PowerTech PSS 13.6L	1496	58.9	890	35	1366	53.8	1521	3353

Final Tier 4
Industrial engine power ratings

PowerTech technology	Final Tier 4 engine model	Final Tier 4/ Stage V engine model	Power ratings	Turbo	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size	Power range
EWX 2.9L	3029HFC03	3029HI530	36 – 55 kW (48 – 74 hp)	WGT	-	DOC/DPF	2	-	
EWX 4.5L	4045TFC03	4045TI530	55 kW (74 hp)	WGT	-	DOC/DPF	2	-	
PWL 4.5L	4045HFC04	-	63 – 104 kW (85 – 140 hp)	WGT	Yes	DOC/SCR	2	3	
PWS 4.5L	4045HFC07	4045HI550	93 – 104 kW (125 – 140 hp)	WGT	Yes	DOC/DPF/SCR	2	3	
PSL 4.5L	4045HFC06	-	93 – 129 kW (125 – 173 hp)	Series	Yes	DOC/SCR	3	3	
PSS 4.5L	4045HFC09	4045CI550	93 – 129 kW (125 – 173 hp)	Series	Yes	DOC/DPF/SCR	3	3	
PSS 4.5L	4045HFC09	4045CI551	116 – 129 kW (156 – 173 hp)	Series	Yes	DOC/DPF/SCR	4	4	

Final Tier 4 models will be transitioned to Final Tier 4/Stage V model numbers.

kW	0	37	75	112	149	186	224	261	298	336	373	410	447	484	522
hp	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700



Final Tier 4 engine technology

PowerTech EWX

EWX engines are compact, powerful, cost-effective, and simple to install without requiring cooled EGR or SCR. Our straightforward PowerTech EWX engines have 2-valve cylinder heads, high-pressure common-rail fuel systems, and full authority electronic controls. They use simple wastegate turbocharging to maintain transient response and peak torque in all operating conditions.

PowerTech PWL†

PWL engines combine advanced combustion technologies, enhanced engine calibration, and simple wastegate turbocharging. They pair our proven PowerTech Plus technology with a DOC and optimized SCR system to produce near-zero levels of PM without a DPF.

PowerTech PWS

PWS engines combine advanced combustion technologies, enhanced engine calibration, and simple wastegate turbocharging. PWS engines feature PowerTech Plus technology with a DOC/DPF and an SCR system that reduce emissions while maximizing performance.

PowerTech PSL†

PSL engines provide exceptional power in a compact package. They feature an optimized engine calibration, a 4-valve cylinder head, a high-pressure fuel system, full authority electronic controls, and series turbocharging consisting of a fixed geometry and wastegate turbocharger. Combining proven PowerTech Plus technology with a DOC and SCR system delivers excellent performance and fluid efficiency without the need for a DPF.

PowerTech PSS

PSS engines provide a powerful combination of power density, performance, and fluid efficiency. For ultimate performance in off-highway applications, PowerTech PSS engines can handle almost any job. All displacements feature series turbochargers to deliver excellent performance and responsiveness. PSS engines feature proven PowerTech Plus technology that includes a DOC/DPF and an SCR system designed specifically for off-highway applications.

† Available only on Final Tier 4 engine models.

Final Tier 4
2.9L engines



Final Tier 4 engine model	Final Tier 4/ Stage V engine model	Power		Rated speed	Peak power			Peak torque			Application rating
		kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech EWX											
3029HFC03	3029HI530	36	48	2400	36	48	2400	192	142	1600	Cont, HD, Int
3029HFC03	3029HI530	36	48	2200	36	48	2200	209	154	1600	Cont, HD, Int
3029HFC03	3029HI530	48	64	2400	48	64	2400	254	187	1600	Cont*, HD, Int
3029HFC03	3029HI530	48	64	2200	48	64	2200	280	207	1600	Cont*, HD, Int
3029HFC03	3029HI530	55	74	2400	55	74	2400	292	215	1600	Cont*, HD, Int
3029HFC03	3029HI530	55	74	2200	55	74	2200	304	224	1600	Cont*, HD, Int

**Application ratings that apply to 3029HI530.*
Final Tier 4 models will be transitioned to Final Tier 4/Stage V model numbers.

Performance				
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech EWX 2.9L	-	Up to 34%	Up to 120%	WGT

Emissions technology				
Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech EWX 2.9L	-	DOC/DPF	2	-

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech EWX 2.9L	715	28.1	596	23.5	956	37.6	400	882



Final Tier 4
4.5L engines



Final Tier 4 engine model	Final Tier 4/ Stage V engine model	Power		Rated speed	Peak power			Peak torque			Application rating
		kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech EWX											
4045TFC03	4045TI530	55	74	2400	55	74	2400	304	224	1600	Cont, HD, Int
4045TFC03	4045TI530	55	74	2200	55	74	2200	304	224	1600	Cont, HD, Int
PowerTech PWL											
4045HFC04	-	63	84	2400	63	84	2400	333	246	1600	Cont, HD, Int
4045HFC04	-	63	84	2400	68	91	2200	333	246	1600	Cont, HD, Int
4045HFC04	-	63	84	2200	64	86	1900	363	268	1600	Cont, HD, Int
4045HFC04	-	63	84	2200	68	91	2000	363	268	1600	Cont, HD, Int
4045HFC04	-	74	99	2400	74	99	2400	391	288	1600	Cont, HD, Int
4045HFC04	-	74	99	2400	80	107	2200	391	288	1600	Cont, HD, Int
4045HFC04	-	74	99	2200	75	101	2100	427	315	1600	Cont, HD, Int
4045HFC04	-	74	99	2200	80	107	2000	427	315	1600	Cont, HD, Int
4045HFC04	-	86	115	2400	86	115	2400	461	340	1600	Cont, HD, Int
4045HFC04	-	86	116	2200	88	118	1900	506	374	1600	Cont, HD, Int
4045HFC04	-	93	125	2400	93	125	2400	493	364	1600	Cont, HD, Int
4045HFC04	-	93	125	2200	94	126	2100	536	396	1600	Cont, HD, Int
4045HFC04	-	100	134	2400	104	139	2200	540	399	1600	Cont, HD, Int
4045HFC04	-	104	139	2200	104	139	2200	540	399	1600	Cont, HD, Int
PowerTech PWS											
4045HFC07	4045HI550	74	99	2200	80	107	2000	427	315	1600	Cont, HD, Int
4045HFC07	4045HI550	86	116	2200	88	118	1900	506	374	1600	Cont, HD, Int
4045HFC07	4045HI550	93	125	2400	93	125	2400	493	364	1600	Cont, HD, Int
4045HFC07	4045HI550	93	125	2200	94	126	2100	536	396	1600	Cont, HD, Int
4045HFC07	4045HI550	104	140	2400	104	140	2400	540	398	1600	Cont, HD, Int
4045HFC07	4045HI550	104	139	2200	104	139	2200	540	399	1600	Cont, HD, Int
PowerTech PSL											
4045HFC06	-	93	125	2200	96	128	1900	537	396	1600	Cont, HD, Int
4045HFC06	-	93	125	2400	95	127	2100	494	364	1600	Cont, HD, Int
4045HFC06	-	104	139	2200	107	143	1900	601	443	1600	Cont, HD, Int
4045HFC06	-	104	139	2400	106	142	2200	552	407	1600	Cont, HD, Int
4045HFC06	-	116	156	2400	116	156	2400	616	454	1600	HD, Int
4045HFC06	-	129	173	2200	129	173	2200	667	492	1600	Int
4045HFC06	-	129	173	2400	129	173	2400	667	492	1600	Int
PowerTech PSS (High Profile)											
4045HFC09	-	93	125	2400	95	127	2100	494	364	1600	Cont, HD, Int
4045HFC09	-	93	125	2400	100	134	2200	494	364	1600	Cont, HD, Int
4045HFC09	4045CI550	93	125	2200	96	128	1900	537	396	1600	Cont, HD, Int
4045HFC09	4045CI550	93	125	2200	101	135	2000	537	396	1600	Cont, HD, Int
4045HFC09	-	104	139	2400	107	143	1900	552	407	1600	Cont, HD, Int
4045HFC09	-	104	139	2400	112	150	2200	552	407	1600	Cont, HD, Int
4045HFC09	4045CI550	104	139	2200	107	143	1900	601	443	1600	Cont, HD, Int
4045HFC09	4045CI550	104	139	2200	112	150	2000	601	443	1600	Cont, HD, Int
4045HFC09	-	116	156	2400	116	156	2400	616	454	1600	HD, Int
4045HFC09	-	116	156	2400	125	168	2200	616	454	1600	HD, Int
4045HFC09	4045CI550	116	156	2200	116	156	2200	667	492	1600	HD, Int
4045HFC09	4045CI550	116	156	2200	125	168	2000	667	492	1600	HD, Int
4045HFC09	-	129	173	2400	129	173	2400	667	492	1600	Int
4045HFC09	4045CI550	129	173	2200	129	173	2200	667	492	1600	Int
PowerTech PSS (Low Profile)											
4045HFC09	4045CI551	116	156	2200	116	156	2200	667	492	1600	HD, Int
4045HFC09	4045CI551	116	156	2200	125	167	2000	667	492	1600	HD, Int
4045HFC09	4045CI551	116	156	2400	116	156	2400	616	455	1600	HD, Int
4045HFC09	4045CI551	116	156	2400	125	168	2200	616	455	1600	HD, Int
4045HFC09	4045CI551	129	173	2200	129	173	2200	667	492	1600	Int
4045HFC09	4045CI551	129	173	2400	129	173	2400	667	492	1600	Int

Final Tier 4 models will be transitioned to Final Tier 4/Stage V model numbers.

Performance				
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo
PowerTech EWX 4.5L	-	Up to 39%	Up to 119%	WGT
PowerTech PWL 4.5L	Up to 8%	Up to 36%	Up to 123%	WGT
PowerTech PWS 4.5L	Up to 8%	Up to 33%	Up to 122%	WGT
PowerTech PSL 4.5L	Up to 3%	Up to 34%	Up to 124%	Series
PowerTech PSS 4.5L	Up to 8%	Up to 33%	Up to 117%	Series

Emissions technology				
Engine	Cooled EGR	Aftertreatment	Exhaust canister size	SCR size
PowerTech EWX 4.5L	No	DOC/DPF	2	-
PowerTech PWL 4.5L	Yes	DOC/SCR	2	3
PowerTech PWS 4.5L	Yes	DOC/DPF/SCR	2	3
PowerTech PSL 4.5L	Yes	DOC/SCR	3	3
PowerTech PSS 4.5L HP	Yes	DOC/DPF/SCR	3	3
PowerTech PSS 4.5L LP	Yes	DOC/DPF/SCR	4	4

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech EWX 4.5L	870	34.3	720	28.3	960	37.8	510	1124
PowerTech PWL 4.5L	867	34.1	680	26.8	1076	41.5	540	1191
PowerTech PWS 4.5L	870	34.3	650	25.6	1050	41.3	550	1213
PowerTech PSL 4.5L	870	34.3	635	25	1130	44.5	570	1257
PowerTech PSS 4.5L HP	870	34.3	635	25	1130	44.5	570	1257
PowerTech PSS 4.5L LP	870	34.3	745	29.3	982	38.7	570	1257

Tier 3/Stage III A equivalent
Industrial engine power ratings

PowerTech technology	Engine model	Power ratings	Turbo	Cooled EGR	Power range
M 4.5L	4045TF280	56 – 63 kW (75 – 85 hp)	Fixed	-	
M 4.5L	4045HF280	74 kW (99 hp)	Fixed	-	
E 4.5L	4045TF285	63 – 74 kW (85 – 99 hp)	Fixed	-	
E 4.5L	4045HF285	86 – 104 kW (115 – 140 hp)	Fixed	-	
Plus 4.5L	4045HF485	111 – 129 kW (149 – 173 hp)	VGT	Yes	
E 6.8L	6068HF285	104 – 149 kW (139 – 200 hp)	Fixed	-	
Plus 6.8L	6068HF485	134 – 205 kW (180 – 275 hp)	VGT	Yes	
Plus 9.0L	6090HF485	168 – 298 kW (225 – 400 hp)	VGT	Yes	
Plus 13.5L	6135HF485	261 – 448 kW (350 – 600 hp)	VGT	Yes	

kW	0	37	75	112	149	186	224	261	298	336	373	410	447	484
hp	0	50	100	150	200	250	300	350	400	450	500	550	600	650



Tier 3/Stage III A equivalent engine technology

PowerTech M

The simplest of the PowerTech family, these engines have 2-valve heads, fixed geometry turbochargers, and mechanical fuel systems. PowerTech M engines are perfect for less demanding applications. Their mechanical controls are simple to operate and maintain.

PowerTech E

These engines also have 2-valve heads and fixed geometry turbochargers, but introduce full authority electronic controls and more sophisticated fuel delivery. These engines use a high-pressure common-rail (HPCR) fuel system.

PowerTech Plus

Utilizing the most advanced engine technology, PowerTech Plus engines have a 4-valve cylinder head, full authority electronic controls, variable geometry turbocharger (VGT), and cooled exhaust gas recirculation (EGR). They are available in larger displacements and provide ultimate performance and fuel economy.



Tier 3/Stage III A equivalent 4.5L engines



Engine model	Power		Rated speed	Peak power			Peak torque		
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm
PowerTech M									
4045TF280	56	75	2400	56	75	2400	275	203	1700
4045TF280	60	80	2400	60	80	2400	286	210	1700
4045TF280	63	85	2400	63	85	2400	302	223	1700
4045HF280	74	99	2200	74	99	2200	383	282	1600
4045HF280	74	99	2400	75	100	2200	366	270	1600
PowerTech E									
4045TF285	63	85	2200	65	87	2000	353	261	1600
4045TF285	63	85	2400	63	84	2400	313	231	1600
4045TF285	74	99	2400	74	99	2400	353	261	1600
4045HF285	86	115	2200	89	120	2000	481	355	1500
4045HF285	86	115	2400	86	115	2400	430	317	1500
4045HF285	93	125	2200	99	133	2000	525	387	1500
4045HF285	93	125	2400	93	125	1400	481	355	1500
4045HF285	104	140	2400	104	140	2400	525	387	1500
PowerTech Plus									
4045HF485	111	149	2000	116	156	1800	645	476	1400
4045HF485	116	155	2200	125	167	2000	645	476	1400
4045HF485	116	155	2400	116	155	2400	574	424	1400
4045HF485	129	173	2400	129	173	2400	645	476	1400

Performance					
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo	Cooled EGR
PowerTech M 4.5L	Up to 1%	-	-	Fixed	-
PowerTech E 4.5L	Up to 6%	-	Up to 130%	Fixed	-
PowerTech Plus 4.5L	Up to 9%	-	Up to 123%	VGT	Yes

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech M 4.5L	860	33.9	612	24.1	856	33.7	387	851
PowerTech E 4.5L	860	33.9	612	24.1	1039	40.9	491	1083
PowerTech Plus 4.5L	867	34.1	623	24.5	1055	41.5	517	1140



Tier 3/Stage III A equivalent 6.8L engines



Engine model	Power		Rated speed	Peak power			Peak torque		
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm
PowerTech E									
6068HF285	104	139	2200	111	149	2000	598	441	1500
6068HF285	104	139	2400	104	139	2400	538	397	1500
6068HF285	116	155	2200	124	166	2000	667	492	1500
6068HF285	116	155	2400	116	156	2400	598	441	1500
6068HF285	129	173	2200	132	177	2000	714	527	1500
6068HF285	129	173	2400	129	173	2400	667	492	1500
6068HF285	138	185	2200	144	193	2000	785	579	1500
6068HF285	138	185	2400	138	185	2400	714	527	1500
6068HF285	149	200	2400	149	200	2400	785	579	1500
PowerTech Plus									
6068HF485	134	180	2000	138	184	1600	838	618	1400
6068HF485	138	185	2000	144	193	2000	744	549	1400
6068HF485	138	185	1800	151	203	1800	838	618	1400
6068HF485	138	185	2400	138	185	2400	690	509	1400
6068HF485	144	193	2000	151	203	1800	838	618	1400
6068HF485	144	193	2000	153	205	1700	934	689	1400
6068HF485	149	200	2200	162	218	2000	838	618	1400
6068HF485	149	200	2200	168	226	1800	934	689	1400
6068HF485	149	200	2400	149	200	2400	744	549	1400
6068HF485	162	217	2000	168	226	1800	934	689	1400
6068HF485	162	217	2000	168	226	1800	1025	756	1400
6068HF485	168	225	2200	181	242	2000	934	689	1400
6068HF485	168	225	2200	185	247	1800	1025	756	1400
6068HF485	168	225	2400	168	225	2400	838	618	1400
6068HF485	181	243	2000	185	247	1800	1025	756	1400
6068HF485	187	250	2200	198	266	2000	1025	756	1400
6068HF485	187	250	2400	187	250	2400	934	689	1400
6068HF485	205	275	2400	206	275	2400	1025	756	1400

Performance					
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo	Cooled EGR
PowerTech E 6.8L	Up to 7%	-	Up to 132%	Fixed	-
PowerTech Plus 6.8L	Up to 13%	-	Up to 145%	VGT	Yes

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech E 6.8L	1123	44.2	657	25.9	1036	40.8	608	1340
PowerTech Plus 6.8L	1120	44.1	611	24.1	1058	41.7	678	1495

Tier 3/Stage III A equivalent 9.0L engines



Engine model	Power		Rated speed	Peak power			Peak torque		
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm
PowerTech Plus									
6090HF485	168	225	2000	187	251	1800	1095	807	1500
6090HF485	168	225	2200	187	251	2000	1095	807	1500
6090HF485	168	225	2200	168	225	2200	984	726	1500
6090HF485	187	250	2000	205	275	1800	1201	886	1500
6090HF485	187	250	2200	205	275	2000	1201	886	1500
6090HF485	187	250	2200	187	251	2200	1095	807	1500
6090HF485	205	275	2000	224	301	1800	1313	968	1500
6090HF485	205	275	2200	224	301	1800	1313	968	1500
6090HF485	205	275	2200	205	275	2200	1201	886	1500
6090HF485	224	300	2000	243	325	1800	1421	1048	1500
6090HF485	224	300	2200	243	325	2000	1421	1048	1500
6090HF485	224	300	2200	224	300	2200	1313	968	1500
6090HF485	242	325	2000	261	350	1800	1530	1128	1500
6090HF485	242	325	2200	261	350	2000	1530	1128	1500
6090HF485	242	325	2200	242	325	2200	1421	1048	1500
6090HF485	261	350	2000	279	375	1800	1554	1146	1500
6090HF485	261	350	2200	280	375	2000	1543	1138	1500
6090HF485	261	350	2200	261	350	2200	1530	1128	1500
6090HF485	280	375	2200	280	375	2200	1543	1138	1500
6090HF485	298	400	2200	298	400	2200	1550	1143	1500

Performance					
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo	Cooled EGR
PowerTech Plus 9.0L	Up to 11%	-	Up to 150%	VGT	Yes

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech Plus 9.0L	1208	47.6	630	24.8	1113	43.8	901	1986



Tier 3/Stage III A equivalent 13.5L engines



Engine model	Power		Rated speed	Peak power			Peak torque		
	kW	hp	rpm	kW	hp	rpm	Nm	lb-ft	rpm
PowerTech Plus									
6135HF485	261	350	1900	298	399	1700	1834	1353	1400
6135HF485	261	350	2100	298	400	1900	1602	1182	1400
6135HF485	261	350	2100	261	350	2100	1602	1182	1400
6135HF485	298	400	1900	335	449	1700	2063	1521	1400
6135HF485	298	400	2100	336	450	1900	1834	1353	1400
6135HF485	298	400	2100	298	400	2100	1834	1353	1400
6135HF485	317	425	2100	336	450	1800	2063	1521	1400
6135HF485	336	450	1900	371	498	1700	2290	1689	1400
6135HF485	336	450	2100	373	500	1900	2063	1521	1400
6135HF485	336	450	2100	336	450	2100	2063	1521	1400
6135HF485	373	500	1900	409	548	1700	2430	1792	1400
6135HF485	373	500	2100	373	500	2100	2290	1689	1400
6135HF485	373	500	2100	400	536	1800	2290	1689	1400
6135HF485	392	525	2100	410	550	1800	2430	1792	1400
6135HF485	410	550	2100	423	567	2000	2430	1792	1400
6135HF485	410	550	2100	410	550	2100	2430	1792	1400
6135HF485	448	600	2100	448	600	2100	2550	1881	1600

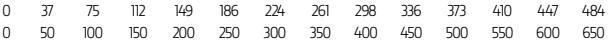
Performance					
Engine	Power bulge	Torque rise	Low-speed torque (1000 rpm)	Turbo	Cooled EGR
PowerTech Plus 13.5L	Up to 14%	-	Up to 138%	VGT	Yes

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
PowerTech Plus 13.5L	1334	52.5	855	337	1512	59.5	1493	3292



Non-emissions certified Industrial engine power ratings

PowerTech engine displacement	Engine model	Power ratings	Power range
2.9L	3029DF129	43 kW (58 hp)	
2.9L	3029TF129	52 kW (70 hp)	
4.5L	4045DF150	52 – 63 kW (70 – 85 hp)	
4.5L	4045TF150	67 – 86 kW (89 – 115 hp)	
4.5L	4045TF250	85 – 93 kW (114 – 125 hp)	
4.5L	4045HF150	104 kW (140 hp)	
6.8L	6068DF150	93 kW (125 hp)	
6.8L	6068TF150	94 – 127 kW (126 – 170 hp)	
6.8L	6068TF250	106 – 149 kW (142 – 200 hp)	
6.8L	6068HF150	143 – 157 kW (192 – 210 hp)	
6.8L	6068HF250	168 kW (225 hp)	
9.0L	6090HF475	172 – 286 kW (231 – 384 hp)	
13.5L	6135HF475	294 – 448 kW (394 – 601 hp)	





Non-emissions certified engine technology

John Deere offers a full range of non-emissions certified engines suitable for applications in countries that currently haven't established emissions regulations.

These simple, straightforward engines provide reliable operation and easy maintenance in rugged off-highway applications.

The PowerTech M platform features a mechanical fuel system, while the PowerTech E platform has a high-pressure common-rail (HPCR) fuel system and full authority electronic controls.



Non-emissions certified 2.9L engines



Engine model	Power		Rated speed	Peak torque			VSPU*
	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech M							
3029DF129	43	58	2500	193	141	1400	-
3029TF129	52	70	2500	239	176	1600	-

**Variable-speed power unit (VSPU) models not available in all countries.*

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
3029DF129	716	28.2	519	20.4	819	32.2	316	697
3029TF129	716	28.2	519	20.4	928	36.5	328	723



Non-emissions certified 4.5L engines



Engine model	Power		Rated speed	Peak torque			VSPU*
	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech M							
4045DF150	52	70	2500	281	207	1000	
4045DF150	58	78	2200	310	229	1200	
4045DF150	60	80	2500	292	215	1200	■
4045DF150	61	82	2400	310	229	1200	
4045DF150	63	85	2500	302	223	1200	
4045TF150	67	89	2200	374	276	1200	
4045TF150	73	98	2200	406	299	1200	
4045TF150	74	99	2500	372	274	1400	
4045TF150	78	105	2300	401	296	1300	
4045TF250	85	114	2200	446	329	1500	
4045TF150	86	115	2500	395	291	1400	
4045TF250	93	125	2400	450	328	1400	■
4045HF150	104	140	2400	498	367	1400	

**Variable-speed power unit (VSPU) models not available in all countries.*

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
4045DF150	860	33.9	612	24.1	846	33.3	387	853
4045TF150	860	33.9	612	24.1	994	39.1	396	872
4045TF250	860	33.9	612	24.1	994	39.1	396	872
4045HF150	867	34.1	612	24.1	1000	39.4	396	872



Non-emissions certified 6.8L engines



Engine model	Power		Rated speed	Peak torque			VSPU*
	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech M							
6068DF150	93	125	2500	448	330	1200	■
6068TF150	94	126	2200	546	402	1400	
6068TF150	96	129	2100	581	428	1200	
6068TF150	110	148	2100	650	443	1400	
6068TF150	110	148	2300	594	438	1300	
6068TF150	116	155	2500	578	426	1200	
6068TF150	117	157	2200	589	434	1200	
6068TF150	127	170	2500	606	447	1200	■
6068TF250	106	142	2200	614	453	1400	
6068TF250	128	172	2300	668	493	1400	
6068TF250	138	185	2400	656	484	1400	
6068TF250	149	200	2400	793	585	1500	
6068HF150	143	192	2200	749	553	1300	
6068HF150	157	210	2400	771	568	1400	
6068HF250	168	225	2400	839	619	1400	

**Variable-speed power unit (VSPU) models not available in all countries.*

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
6068DF150	1116	43.9	623	24.5	1025	40.4	522	1151
6068TF150	1116	43.9	623	24.5	1012	39.8	551	1215
6068TF250	1116	43.9	623	24.5	1012	39.8	569	1254
6068HF150	1123	44.2	623	24.5	1015	40.0	550	1213
6068HF250	1123	44.2	623	24.5	1015	40.0	568	1252

Non-emissions certified 9.0L engines



Engine model	Power		Rated speed	Peak torque			VSPU*
	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech E							
6090HF475	172	231	2200	1200	885	1600	-
6090HF475	219	296	2200	1228	906	1600	-
6090HF475	239	321	2200	1349	995	1600	-
6090HF475	261	350	2200	1474	1087	1600	-
6090HF475	286	384	2200	1474	1087	1600	-

**Variable-speed power unit (VSPU) models not available in all countries.*

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
6090HF475	1211	47.7	633	24.9	1260	49.6	1097	2418



Non-emissions certified 13.5L engines



Engine model	Power		Rated speed	Peak torque			VSPU*
	kW	hp	rpm	Nm	lb-ft	rpm	
PowerTech E							
6135HF475	294	394	2100	1870	1379	1575	-
6135HF475	320	429	2100	2007	1480	1575	-
6135HF475	373	500	2100	2290	1689	1575	-
6135HF475	428	574	2100	2550	1881	1575	-
6135HF475	448	601	2100	2550	1881	1575	-

**Variable-speed power unit (VSPU) models not available in all countries.*

Specifications								
Engine	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
6135HF475	1362	53.6	857	33.7	1210	47.6	1334	2941



Always at your side

Warranty support when you need it

John Deere provides one of the best warranties in the business. Our 2-year/2,000-hour standard warranty applies not only to the new OEM engine but also to John Deere parts and accessories added by a John Deere engine distributor.*

Register your John Deere OEM engine and enable your John Deere dealer or engine distributor to respond should you need a warrantable repair.‡ Registering your engine at **JohnDeere.com/OEMWarranty** gives us the information needed to stock the right service parts, maintenance products, and servicing tools.

** When sold and installed by John Deere or its authorized dealers and distributors.*

‡ See specific OEM product warranty language for applicable terms and conditions. Refer to the John Deere new engine warranty for complete warranty coverage details.

Note: the 2-year/2,000-hour standard warranty and OEM engine registration may not be available in all countries.



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