



JOHN DEERE

INDUSTRIAL ENGINE

PRODUCT GUIDE

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INDUSTRIAL ENGINES

CONTINUOUS POWER RATINGS

AFTER DERATING FOR COOLING FAN LOSSES

ENGINE	RPM	1600	1800	2000	2200	2400	2500
MODEL							
3029D	HP / KW	36 / 27	39 / 29	42 / 31	44 / 33	45 / 34	46 / 34
4039D	HP / KW	52 / 39	58 / 43	63 / 47	64 / 48	65 / 49	65 / 49
4045D	HP / KW	57 / 43	62 / 46	65 / 48	68 / 51	72 / 54	72 / 54
4039T	HP / KW	69 / 52	76 / 57	82 / 61	84 / 63	86 / 64	87 / 65
4045T1	HP / KW	78 / 58	86 / 64	90 / 67	96 / 72	99 / 74	100 / 75
4045T2	HP / KW	89 / 66	97 / 72	103 / 77	107 / 80	110 / 82	110 / 82
4045H	HP / KW	93 / 70	101 / 75	107 / 80	111 / 83	112 / 84	-
6068D	HP / KW	86 / 64	93 / 69	100 / 75	104 / 78	108 / 81	110 / 82
6068T1	HP / KW	117 / 87	127 / 95	135 / 101	142 / 106	144 / 107	-
6068T2	HP / KW	129 / 96	142 / 106	149 / 111	157 / 117	159 / 119	-
6068T3	HP / KW	153 / 114	171 / 127	176 / 131	182 / 136	173 / 129	
6068H1	HP / KW	143 / 107	156 / 116	164 / 123	170 / 127	171 / 128	-
6068H2	HP / KW	159 / 119	171 / 128	183 / 137	185 / 138	185 / 138	-
6081A(1)	HP / KW	192 / 143	198 / 148	200 / 149	192 / 143	-	-
6081A(3)	HP / KW	204 / 152	216 / 161	218 / 163	212 / 158	-	-
6081H	HP / KW	246 / 184	254 / 189	252 / 188	233 / 174	-	-
6081H(elect)	HP / KW	260 / 194	278 / 207	276 / 206	253 / 189		
6125A	HP / KW	320 / 238	308 / 229	298 / 222	290 / 216*	-	-
6125H(1)	HP / KW	405 / 302	393 / 293	383 / 286	375 / 280*		
6125H(2)	HP / KW	505 / 377	493 / 368	483 / 361	475 / 355*	-	-

NOTE: * Denotes 2100 RPM

Other engine models & horsepower ratings are available on request.

Engine Warranty: 1 Year unlimited hours or 2 years / 2000 hours – whichever occurs first.

ENGINE IDENTIFICATION

ENGINE MODEL	NO. OF CYLINDERS	CUBIC CAPACITY	ENGINE ASPIRATION	OFF ROAD EMISSION COMPLIANCE
3029D	3	2.9L	NAT. ASP	NIL
4039D	4	3.9L	NAT. ASP	NIL
4045D	4	4.5L	NAT. ASP	TIER 1
4039T	4	3.9L	TURBOCHARGED	NIL
4045T1	4	4.5L	TURBOCHARGED	TIER 1
4045T2	4	4.5L	TURBOCHARGED	TIER 1
4045H	4	4.5L	TC/AFTERCOOLED	TIER 1
6068D	6	6.8L	NAT. ASP	TIER 1
6068T1	6	6.8L	TURBOCHARGED	TIER 1
6068T2	6	6.8L	TURBOCHARGED	TIER 1
6068T3	6	6.8L	TURBOCHARGED	TIER 1
6068H1	6	6.8L	TC/AFTERCOOLED	TIER 1
6068H2	6	6.8L	TC/AFTERCOOLED	TIER 1
6081A1	6	8.1L	TC/AFTERCOOLED	TIER 1
6081A3	6	8.1L	TC/AFTERCOOLED	TIER 1
6081H	6	8.1L	TC/AFTERCOOLED	TIER 1
6081H Elect	6	8.1L	TC/AFTERCOOLED	TIER 2
6125A	6	12.5L	TC/AFTERCOOLED	TIER 1
6125H1	6	12.5L	TC/AFTERCOOLED	TIER 2
6125H2	6	12.5L	TC/AFTERCOOLED	TIER 2

4045H, 6068H1, 6068H2, 6081H, 6081H Elect, 6125H1 & 6125H2 engines are fitted with air to air aftercooling.

6081A1, 6081A2, 6081A3 & 6125A engines are fitted with air to water aftercooling.

6081H Elect, 6125A, 6125H1 & 6125H2 are electronically controlled engines.

Some engine models are available with alternate Emission Compliance certification.

SPECIFICATION DEFINITIONS

SPEC A – BASIC ENGINE



ENGINE SUPPLIED COMPLETE WITH:

- SAE FLYWHEEL HOUSING
- SAE FLYWHEEL
- MECHANICAL VARIABLE SPEED GOVERNOR
- 12 VOLT STARTER & ALTERNATOR
- VERTICAL EXHAUST ELBOW
- ENERGISED TO RUN SHUT OFF SOLENOID
- OPERATORS MANUAL

SPEC B – POWER PACK



AS SPEC A, PLUS

- ENGINE FEET, ENGINE MOUNTED RADIATOR, FAN & GUARD – CUSTOMER TO SPECIFY SUCTION OR BLOWER FAN, ENGINE MOUNTED HEAVY DUTY AIR CLEANER WITH RAINCAP

SPEC C – KEY START POWER PACK

AS SPEC B, PLUS ENGINE MOUNTED KEY START PANEL AS BELOW COMPRISING OF AN OIL PRESSURE SWITCHGAUGE, ENGINE TEMPERATURE SWITCHGAUGE, TACHOMETER, HOURMETER, VOLTMETER, 1.6m THROTTLE CABLE, MUFFLER & RAINCAP



3029, 4045, 6068 & 6081 ENGINE
SPEC C STYLE PANEL



6081H Elect, 6125A, 6125H1 & 6125H2
SPEC C STYLE PANEL

SPEC D – IRRIGATION POWER PACK

AS SPEC C, BUT WITH AN IRRIGATION SPEC PANEL, COMPRISING OF ALL THE ITEMS IN A SPEC C PANEL PLUS A PUMP DISCHARGE PRESSURE SWITCHGAUGE & ELECTRONIC TIME CLOCK, ALL MOUNTED IN A WEATHERPROOF ENCLOSURE FOR REMOTE MOUNTING.



PLEASE NOTE THAT THE PANEL LAYOUTS SHOWN ABOVE ARE TYPICAL ONLY. INDIVIDUAL PANELS MAY VARY SLIGHTLY IN THE EQUIPMENT LAYOUT. PANEL FUNCTIONALITY IS NOT AFFECTED BY DIFFERING LAYOUTS.

SPEC E – CONSTANT PRESSURE SYSTEM

THE SPEC E PANEL IS DESIGNED TO AUTOMATICALLY ADJUST ENGINE SPEED TO MAINTAIN A CONSTANT PUMP PRESSURE IN AN IRRIGATION SYSTEM. THE ENGINE CAN BE AUTOMATICALLY STARTED & STOPPED BY REMOTE SIGNAL AND THE ENGINE RATE OF SPEED CHANGE CAN BE ADJUSTED TO REDUCE WATER HAMMER / PRESSURE SURGES IN THE IRRIGATION SYSTEM. THE CONTROL SYSTEM INCORPORATES LOW OIL PRESSURE, HIGH ENGINE TEMPERATURE AND PUMP DISCHARGE HIGH / LOW PRESSURE PROTECTION.



OPTIONAL EXTRA ACCESSORIES

LOW OIL LEVEL SHUTDOWN PROTECTION



LOW COOLANT LEVEL SHUTDOWN PROTECTION



AUXILIARY DRIVE PULLEY



OVERCENTRE CLUTCH (SIZED FOR IN LINE DRIVE ONLY)



**SPEC C PANEL IN WEATHERPROOF
CUBICLE**

**SPEC C PANEL IN WEATHERPROOF
CUBICLE WITH ELECTRIC GAUGES
(IDEAL FOR INSTALLATIONS WHERE
PANEL IS MORE THAN 2 METRES
FROM ENGINE)**



OTHER ACCESSORIES ARE AVAILABLE ON REQUEST

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