



Rodney Industries

2017



J02C002KIT

DIESEL PUMP SETS

MACHINE DETAILS & PERFORMANCE DATA



J02C002KIT

JOHN DEERE ENGINE WITH CAPRARI PUMP

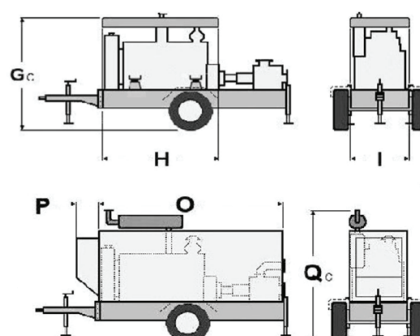
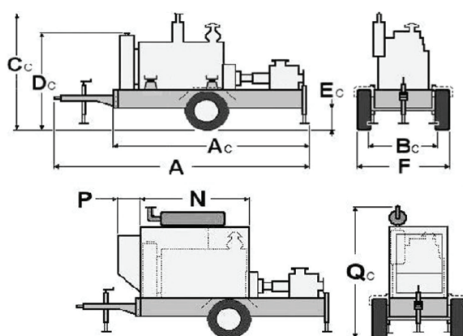


STANDARD EQUIPMENT

- JOHN DEERE D4045TF250 4 Cylinder Turbo 4500CC water-cooled diesel engine, complete with engine liquids.
- Caprari MEC MG 80-4/3A Pump.
- Mounted on two pneumatic wheels trolley, with built in 360 litre tank.
- Centrifugal flanged pump coupled to the engine through flexible joint.
- Battery.
- ELCOS CEM 250/00 control panel with electric system, engine control device, transducer for high pressure and low pressure alarm, 24 hour timer.
- ABS roof.
- Engine running indicator light on roof.
- Work light for around unit.

Machine Options	Code
Priming System Kirpy	406053
Electric Priming Pump	EPP

Computer Options	Code
Upgrade to Elcos CIM 131	CIM131UPGRADE
Upgrade to Elcos CIM 137	CIM137UPGRADE



WEIGHTS AND DIMENSIONS

SIZE (cm)													
A	Ac	Bc	Cc	Dc	Ec	F	Gc	H	I	N	O	P	Qc
345.9	211.5	122.9	263.7	165.1	34	145	180	130	100	128	200	40	227.5

* Please note dimensions are to be used as a guide only.



JOHN DEERE

caprari
pumping power

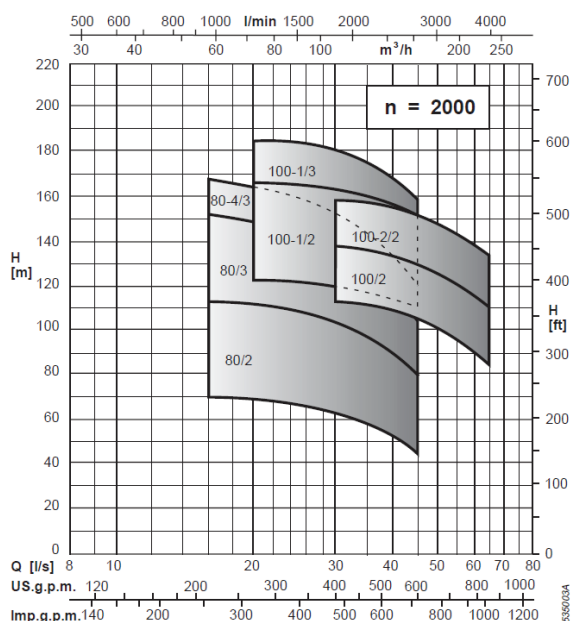
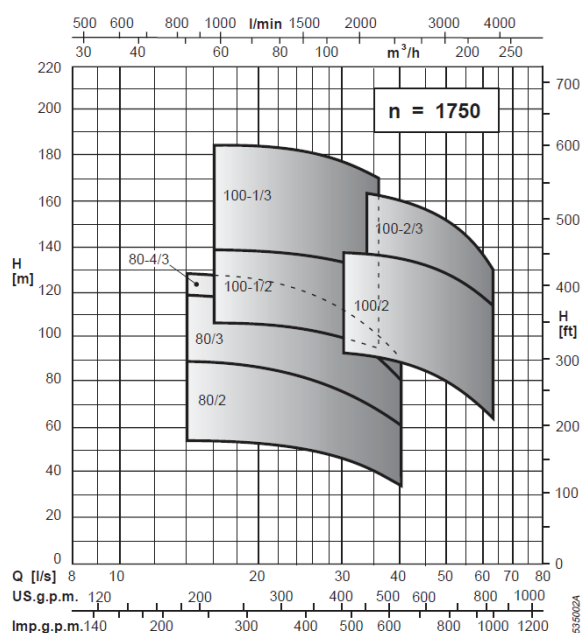
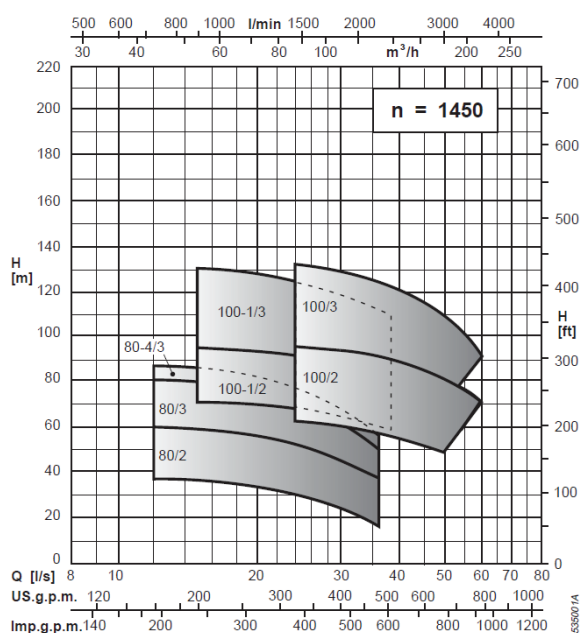
DIESEL PUMP UNITS



J02C002KIT

JOHN DEERE ENGINE
WITH CAPRARI PUMP

CAPRARI PUMP MEC-MG 80-4/3A PUMP PERFORMANCE RANGE





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JOHN DEERE ENGINE
WITH CAPRARI PUMP

CAPRARI PUMP MEC-MG 80-4/3A GENERAL PUMP DATA

Capacity at 1450 N [min⁻¹]

DNa x DNm	Impellers Combination	l/s	0	12	15	20	25	30	32	34	36	38
		m³/h	0	36	54	72	90	108	115	122	130	137
mm		l/min	0	600	900	1200	1500	1800	1920	2040	2160	2280
100 x 80	A	m	92.9	88	86	82	75	68	64	59	57	
		kW	10.8	17	18.8	21.9	24.8	25.5	28.4	29.2	29.9	
NPSH m				1.4	1.4	1.4	1.7	2.4	3	3.9	5.1	

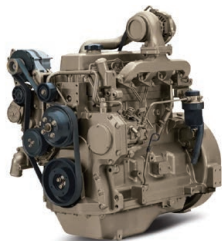
Capacity at 1750 N [min⁻¹]

DNa x DNm	Impellers Combination	l/s	0	14	16	18	20	24	28	32	36	40
		m³/h	0	50	58	65	72	86	101	115	129	144
mm		l/min	0	840	960	1080	1200	1440	1680	1920	2160	2400
100 x 80	A	m	135	128	127	125	123	119	114	107	99	89
		kW	19	29.3	31.1	32.9	34.7	38.5	42.1	44.9	47.8	50.9
NPSH m				1.7	1.7	1.7	1.7	1.9	2.3	2.8	3.7	5.3

Capacity at 2000 N [min⁻¹]

DNa x DNm	Impellers Combination	l/s	0	16	18	20	24	28	32	36	40	45
		m³/h	0	58	65	72	86	101	115	129	144	162
mm		l/min	0	960	1080	1200	1440	1680	1920	2160	2400	2700

100 x 80	A	m	177	168	166	164	160	155	149	141	132	119
		kW	28.5	43.9	46	48.4	53.3	58.1	62.6	66.7	70.3	75.1
NPSH m				2	2	2	2.2	2.4	2.8	3.4	4.4	6.2



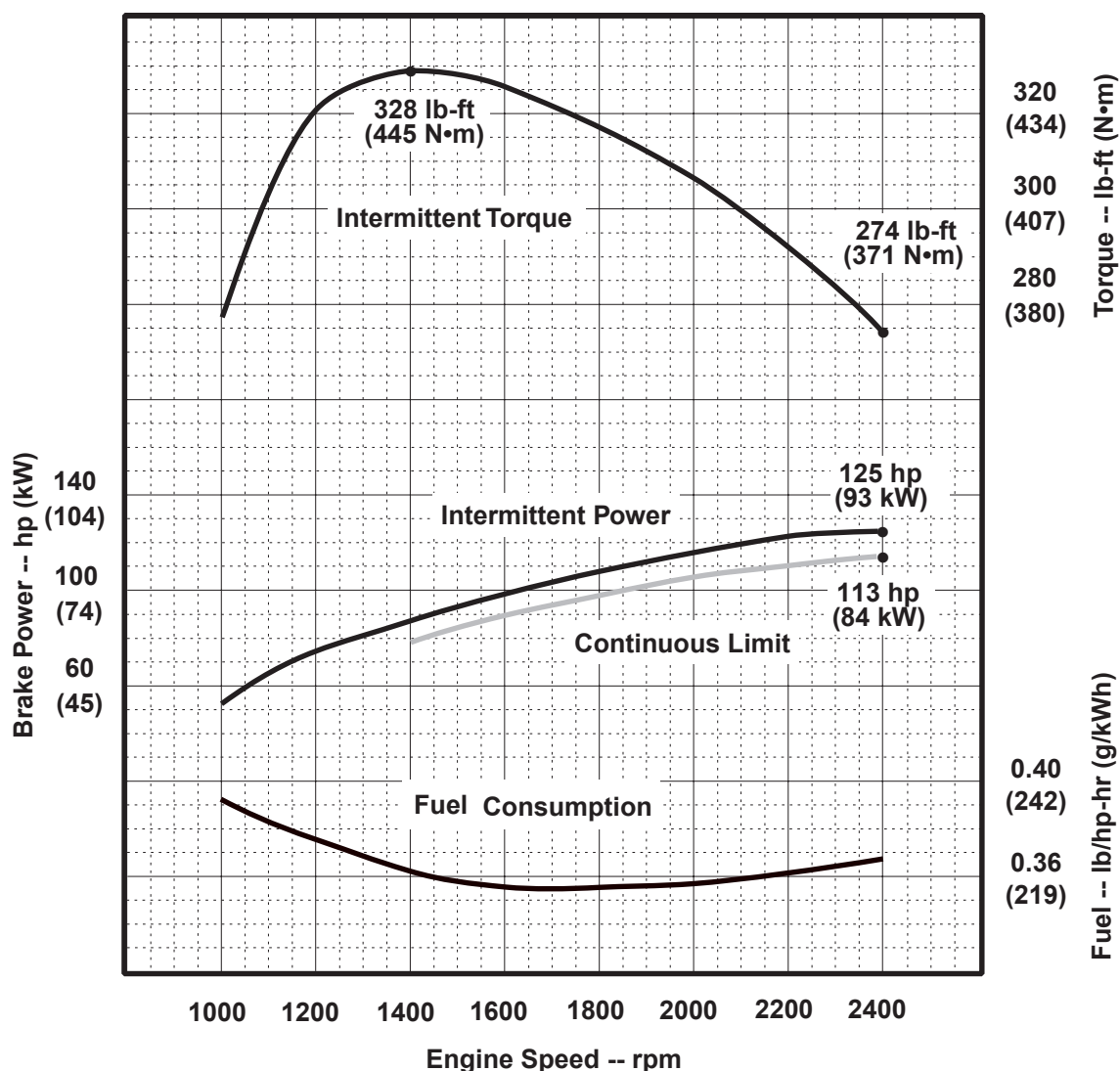
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JOHN DEERE ENGINE
WITH CAPRARI PUMP

JOHN DEERE ENGINE 4045TF250 GENERAL PUMP DATA

Intermittent - Rated power/Rated speed	85-93 kW (114-125 hp) @2200-2400 rpm
Intermittent - Peak torque	445-446 N·m (328-329 ft-lb) @1400-1500 rpm
Intermittent - Torque rise	NA

ENGINE PERFORMANCE RANGE





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