

BRIGGS IRRIGATION



Briggs Irrigation Pumps Tier 3A



Above: Non-acoustic pump.

Below: Bunded, acoustic pump; drawbar removed.



Above: Pump with lights.

Below: Bunded pump showing easy access via secure, lockable door and standard rear levelling jacks.



Briggs pumps - the heart of efficient irrigation systems

Briggs pumpsets are based on a selection of modern, high performance JCB engines coupled to proven Caprari pumps. Engines range from 64 kW (84 HP) naturally aspirated to 120 kW (164 HP) turbocharged and intercooled; following JCB scrutiny the engines are warranted and enjoy the backing of the UK JCB dealer network. All pumpsets are highly specified and a wide range of options enables each unit to be configured to individual requirements. On acoustic models engine, pump and controls are mounted inside a secure acoustic canopy, reducing noise to just 70 dB @ 7m @ 1750 RPM. All Briggs pumps have a 1500 litre bunded fuel tank as standard.



Interior lighting



Closing valve and non return

Standard features

(see back page for full list)



Engine oil hand pump



Exhaust raincap



Throttle control



Control panel



Radiator water level switch



12 volt electric primer



Heavy duty strainer & footvalve



Non acoustic pump



Wright Rain layflat hose

Options

(see back page for full list)



Bauer delivery hose



Super silent exhaust silencer



Water meter with pulse output



Road lights



Autostart warning light and siren



Flow switch



Skid base pump unit

Tier 3A JCB engine data and pump performance tables

Standard features

- Acoustic canopy : 69 - 70dB @ 7m @ 1750RPM
- Briggs digital control panel
- Heavy duty 12 volt electric primer
- Radiator water level switch
- Automatic throttle control (except NA model)
- Bunded 1500 litre fuel tank
- Front and rear heavy duty support jacks
- Engine oil hand pump for easy servicing
- Top quality acoustic cabin with rockwool insulation
- Floodlight inside the acoustic canopy
- Shut off and non return valves on delivery side
- Galvanised steel mudguards & hose storage brackets
- Heavy duty battery
- 6 metres x heavy duty suction hose
- Heavy duty plastic basket strainer & footvalve
- Removable drawbar
- Galvanised locking security cover over fuel filler
- Digital run time timer accurate to one minute
- Tachometer
- Hours run counter
- Fuel gauge
- Hand Primer

Type	JCB Engine	Caprari Pump	Engine RPM	Flow (m ³ /hr)	Pressure (bar)	Absorbed Power (kW)	Suction (mm)	Discharge (mm)
JCB444TC(3A)-80/3H	JCB444TC(T3A) (63kW – 84hp)	MECMG 80/3H	1750	90	8	29	100	80
			2000	90	11	39		
JCB444TC(3A)-80-4/3A	JCB444TC(T3A) (63kW – 84hp)	MECMG 80-4/3A	1600	40	10.7	22	100	80
			1750	40	10.5	25		
JCB444TCA(3A)-80-4/3A	JCB444TCA(T3A) (74kW – 100hp)	MEC MG 80-4/3A	1600	55	10.5	24	100	80
			1750	55	8.5	36		
			1900	110	13	30		
JCB444TCA(3A)-80-4/3A	JCB444TCA(T3A) (85kW – 114hp)	MEC-MG 80-4/3A	1600	55	10.8	44	100	80
			1750	55	13	30		
			1900	110	10.8	45		
JCB444TCA(3A)-100/2C	JCB444TCA(T3A) (85kW – 114hp)	MEC-MG 100/2C	1450	120	8	38	125	80
			1750	180	6.9	48		
			150	120	12	60		
JCB444TCAE (3A) - 100/2A	JCB444TCAE(T3A) (120kW – 164hp)	MEC-MG 100/2A	1450	120	9.2	46	125	100
			1750	180	8	56		
			180	120	13.7	74		
			180	120	12.7	87		

Engine characteristics

JCB Engine	Type	Continuous Power Rating KW(Hp)/rpm	Displacement (L)	Specific Fuel consumption (g/kWh)
JCB444TC-63 EPA Tier 3A	4 cylinder turbocharged - mechanical fuel injection	48(65)/1450	4.4	230
		54(72)/1750		237
		55(74)/1900		243
JCB444TCA-74 EPA Tier 3A	4 cylinder turbocharged & intercooled - mechanical fuel injection	60(80)/1450	4.4	212
		64.5(86)/1750		220
		64.8(87)/1900		226
JCB444TCA-85 EPA Tier 3A	4 cylinder turbocharged & intercooled - mechanical fuel injection	59(79)/1450	4.4	212
		69(93)/1750		225
		72(97)/1900		232
JCB444TCAE-120 EPA Tier 3A	4 cylinder turbocharged & intercooled - electronic fuel injection	86(116)/1450	4.4	205
		98(131)/1750		210
		101(136)/1900		220

Options

- Super silent – reduces noise further to 67dB @ 7m @ 1750RPM
- Road Lights
- Kobold electronic flow switch
- Water meter – fully mounted with or without pulse output for high and low flow shutdown
- High pressure delivery hose with Wright Rain or Bauer compatible fittings (any length)
- SMS alert if canopy door is opened
- Remote start/stop system with SMS alert
- Fork liftable base frame or fuel tank – no wheels/drawbar etc
- Bespoke high flow reservoir fill pumps



Anti vibration mounting



Hand primer backup



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