

THE GRUNDFOS JET PUMP RANGE

Approved for Drinking Water AS/NZS 4020 ✓

2 YEAR WARRANTY

The Grundfos Jet Pump range comprises of three configurations, all built on the robust self priming Grundfos JP Pump.

SELF-PRIMING

Designed to have excellent suction lift capabilities, the Grundfos Jet Pump is able to draw water up to 8 metres vertically from below the level of the pump. This makes it perfect for pumping water from below ground tanks, dams and shallow wells.

ROBUST INSIDE & OUT

Excellent corrosion resistance is ensured inside and out with a stainless steel pump housing and composite impeller material.

JP (PUMP ONLY)

For basic applications that require simple on/off functionality.

JP PT

The addition of a pressure tank greatly reduces the number of pump stop/starts in order to maintain household tap pressure, resulting in quieter nights and reduced power consumption.

JP PM

The Pressure Manager (PM) controller automatically stops and starts the pump in line with household demand. In addition, the device prevents the pump from continuing to run if the water source runs dry. The PM also provides a cycling alarm, preventing the pump from rapidly turning on and off when there is a leaking pipe or dripping tap.

JP Pump Only



JP PT JP Pump with pressure tank and switch



JP PM JP Pump with Pressure Manager controller

WATER SOURCE

Above Ground Water Tanks

Below Ground Water Tanks

Clean Water Dams

Shallow Wells or Bores



APPLICATION

Home Water Supply

Garden Irrigation

Water Transfer

PUMP NOISE

SCALA2	CMB Booster Self-Priming	CME Booster	Jet Pump Range
47 dB Max.	55 dB Max.	55 dB Max.	81 dB Max.

PROTECTION & CONTROL

	JP	JP PT	JP PM
Auto Stop/Start		✓	✓
Non-Return Valve		✓	✓
Dry Run Protection			✓
Anti-Cycling Protection			✓
Alarm Indication LED			✓

PUMP SIZING

Two storey house	JP 3-42	JP 4-54	JP 5-48
Single storey house		JP 4-47	
	Small House 2-3 taps	Medium House 3-4 taps	Large House 4-5 taps

be think innovate

TECHNICAL & PERFORMANCE DATA

PERFORMANCE DATA

Model	Tap Rating	Pressure - kPa/psi														
		100/15	125/18	150/22	175/25	200/29	225/33	250/36	275/40	300/44	325/47	350/51	375/54	400/58	425/62	450/65
		Flow - Litres/minute														
JP 3-42	2-3 taps	52	51	51	47	39	31	24	18	13	9					
JP 4-47	3-4 taps	69	65	63	60	50	41	33	26	20	14	10				
JP 4-54	3-4 taps	68	66	65	63	62	60	52	43	36	29	24	19	14		
JP 5-48	4-5 taps	87	87	87	86	86	85	83	71	61	51	42	34	25	16	9

Note: Taps are 15 lpm at 22.5 m head

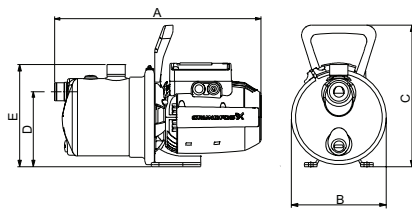
OPERATING CONDITIONS

Ambient Temperature	0°C to +40°C
Liquid Temperature	0°C to +40°C (Intermittent use to 55°C)
System Pressure	Max 6 bar
Sound Pressure	JP 3-42: Max. 68 dB JP 4-47: Max. 70 dB JP 4-54: Max. 74 dB JP 5-48: Max. 81 dB

TECHNICAL DATA

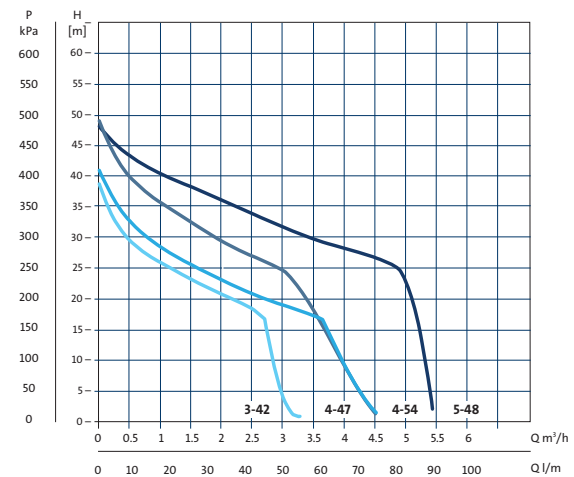
Power Supply Voltage	220-240 Volt, 50 Hz
Power Supply Cable	1.5 m
Enclosure Class	Suitable for covered installation (IP44)
Approvals and Markings	Approved for Drinking Water AS/NZS 4020. C-Tick Compliance.

PHYSICAL ATTRIBUTES - JP

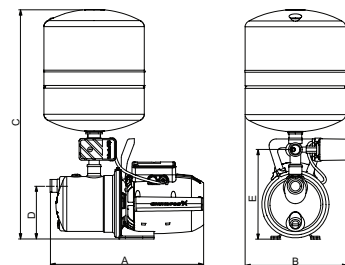


Model	Motor Power P2 (kW)	Connections		Dimensions (mm)					Weight (kg)
		Inlet	Outlet	A (l)	B (w)	C (h)	D (inlet)	E (outlet)	
JP 3-42	0.45	1" Female	1" Male	405	186	278	147	200	8
JP 4-47	0.56	1" Female	1" Male	405	186	278	147	200	9
JP 4-54	0.75	1" Female	1" Male	424	186	278	147	200	11
JP 5-48	1.01	1" Female	1" Male	424	186	278	147	200	13

PERFORMANCE CURVE

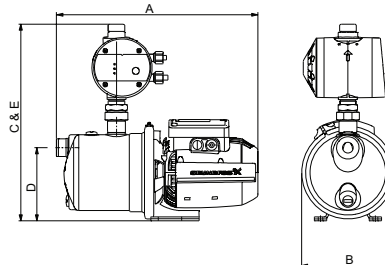


PHYSICAL ATTRIBUTES - JP PT



Model	Motor Power P2 (kW)	Connections		Dimensions (mm)					Weight (kg)
		Inlet	Outlet	A (l)	B (w)	C (h)	D (inlet)	E (outlet)	
JP 3-42 PT-V	0.45	1" Female	1" Female	423	284	635	147	248	15
JP 4-47 PT-V	0.56	1" Female	1" Female	423	284	635	147	248	16
JP 4-54 PT-V	0.75	1" Female	1" Female	442	284	635	147	248	18
JP 5-48 PT-V	1.01	1" Female	1" Female	442	284	635	147	248	19

PHYSICAL ATTRIBUTES - JP PM



Model	Motor Power P2 (kW)	Connections		Dimensions (mm)					Weight (kg)
		Inlet	Outlet	A (l)	B (w)	C (h)	D (inlet)	E (outlet)	
JP 3-42 PM1	0.45	1" Female	1" Male	405	186	390	147	390	11
JP 4-47 PM1	0.56	1" Female	1" Male	405	186	390	147	390	12
JP 4-54 PM1	0.75	1" Female	1" Male	424	186	390	147	390	12
JP 5-48 PM1	1.01	1" Female	1" Male	424	186	390	147	390	15