

Series description: Wilo-Jet WJ



Design

Self-priming multistage centrifugal pumps

Application

- Pumping water from wells
- Filling, pumping empty, transferring by pumping, irrigation and sprinkling
- As emergency pump for overflows

Type key

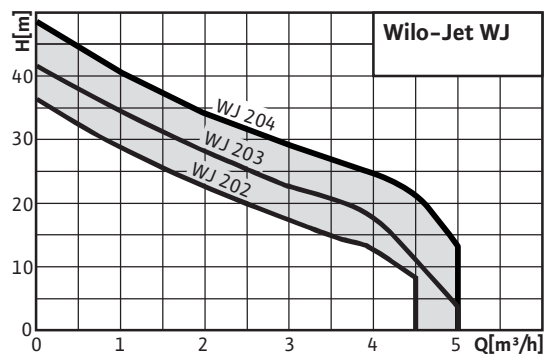
Example:	WJ-203-X-EM
WJ	Wilo jet pumps
2	Nominal flow rate Q in m ³ /h at optimum efficiency
03	Index for pump pressure (02 < 03 < 04), version 03 with higher pressure than version 02 (no indication of number of impellers)
x	Version without carrying frame
[Space]	Portable version with carrying frame
EM	Single-phase current, 1~230 V, 50 Hz
DM	Three-phase current, 3~230/400 V, 50 Hz

Special features/product advantages

- Ideal for portable outdoor applications (hobby, garden)

Technical data

- Mains connection 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Inlet pressure max. 1 bar
- Fluid temperature max. +5 °C to +35 °C
- Max. operating pressure 6 bar
- Protection class IP 44
- Suction- and pressure-side connection G 1



Equipment/function

- With or without carrying handle, depending on version
- For single-phase motor (1~230V): connecting cable with plug; On/Off switch; Thermal motor protection switch

Materials

- Pump housing stainless steel 1.4301
- Impeller made of 1.4301 stainless steel
- Shaft made of 1.4005 stainless steel
- Mechanical seal made of ceramic/carbon
- Diffuser/injector made of Noryl
- Seals made of NBR

Scope of delivery

- Pump
- With or without carrying handle, depending on version
- Installation and operating instructions

Accessories

- Automatic pressure switching: Fluidcontrol
- Suction/pressure hose 1" (1.5 to 15 m version)
- Foot valve

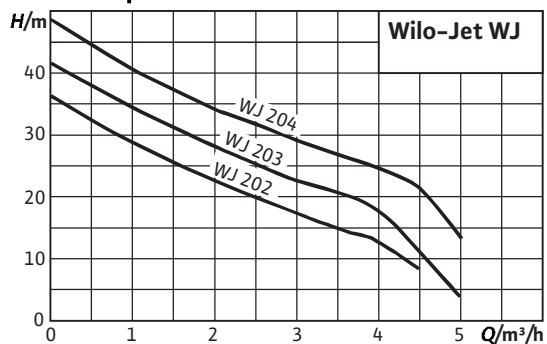
Product list: Wilo-Jet WJ

Type	Mains connection	Description	Nominal motor power	Weight approx.	Art no.
			P_2 / kW	m / kg	
WJ 202 X	1~230 V, 50 Hz		0.65	8.9	4081221
WJ 202	1~230 V, 50 Hz	with carrying frame	0.65	9.6	4081224
WJ 203 X	1~230 V, 50 Hz		0.75	9.9	4081222
WJ 203 X	3~230/400 V, 50 Hz		0.75	9.6	4081223
WJ 203	1~230 V, 50 Hz	with carrying frame	0.75	10.6	4081225
WJ 204 X	1~230 V, 50 Hz		1.10	11.1	4143999
WJ 204 X	3~230/400 V, 50 Hz		1.10	13.5	4144400
WJ 204	1~230 V, 50 Hz	with carrying frame	1.10	12	4144401

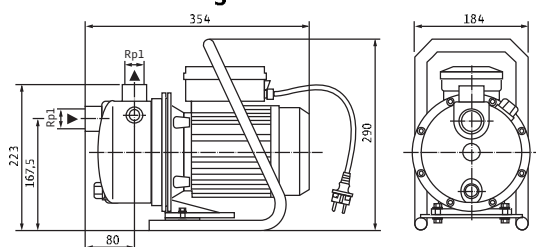
Data sheet: Wilo-Jet WJ 202 (1~230 V)

Pump curves

$n = 2850 \text{ rpm}$



Dimension drawing



Approved fluids (other fluids on request)

Pure water without settling sediment

•

Process water, cold water, cooling water, rainwater

•

Output

Max. suction head	H	1 m
Max. inlet pressure	H	2 bar
Fluid temperature	T	+5...+35 °C
Max. ambient temperature	T	40 °C
Standard version for operating pressure	p_{max}	6 bar
Nominal speed	n	2900 rpm

Motor/electronics

Protection class	IP 44	
Insulation class	B	
Nominal motor power	P_2	650 kW
Power consumption	P_1	900 kW
Mains connection	1~230 V, 50 Hz	

Pipe connections

Nominal connection diameter on the pressure side	G 1
Nominal connection diameter on suction side	G 1

Materials

Pump housing	1.4301
Impeller	1.4301
Pump shaft	1.4005
Mechanical seal	Carbon/ceramic
Stage chambers	—
Diffuser/Injector	Noryl
Seal	NBR

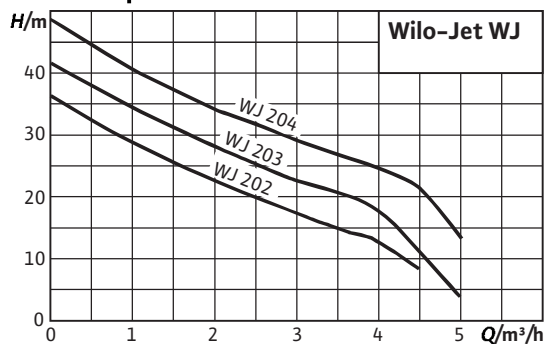
Information for order placements

Make	Wilo	
Type	WJ 202	
Art no.	4081224	
Weight approx.	m	10.5 kg

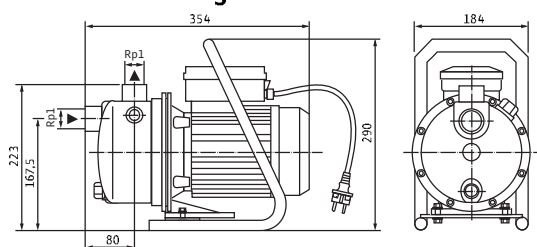
Data sheet: Wilo-Jet WJ 203 (1~230 V)

Pump curves

$n = 2850 \text{ rpm}$



Dimension drawing



Approved fluids (other fluids on request)

Pure water without settling sediment •

Process water, cold water, cooling water, rainwater •

Output

Max. suction head	H	1 m
Max. inlet pressure	H	2 bar
Fluid temperature	T	+5...+35 °C
Max. ambient temperature	T	40 °C
Standard version for operating pressure	p_{max}	6 bar
Nominal speed	n	2900 rpm

Motor/electronics

Protection class	IP 44	
Insulation class	B	
Nominal motor power	P_2	750 kW
Power consumption	P_1	1200 kW
Mains connection	1~230 V, 50 Hz	

Pipe connections

Nominal connection diameter on the pressure side	G 1
Nominal connection diameter on suction side	G 1

Materials

Pump housing	1.4301
Impeller	1.4301
Pump shaft	1.4005
Mechanical seal	Carbon/ceramic
Stage chambers	—
Diffuser/Injector	Noryl
Seal	NBR

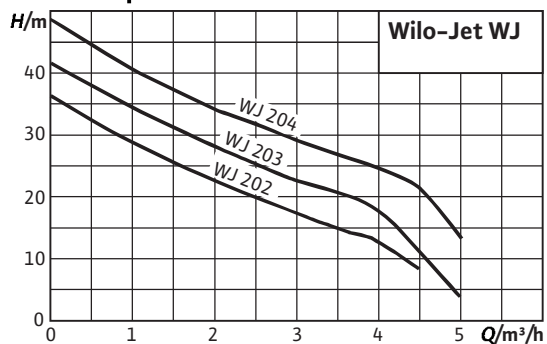
Information for order placements

Make	Wilo	
Type	WJ 203	
Art no.	4081225	
Weight approx.	m	11.5 kg

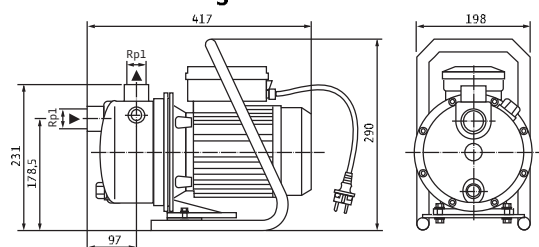
Data sheet: Wilo-Jet WJ 204 (1~230 V)

Pump curves

$n = 2850 \text{ rpm}$



Dimension drawing



Approved fluids (other fluids on request)

Pure water without settling sediment

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Process water, cold water, cooling water, rainwater

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Output

Max. suction head	H	1 m
Max. inlet pressure	H	2 bar
Fluid temperature	T	+5...+35 °C
Max. ambient temperature	T	40 °C
Standard version for operating pressure	p_{max}	6 bar
Nominal speed	n	2900 rpm

Motor/electronics

Protection class	IP 44	
Insulation class	B	
Nominal motor power	P_2	1100 kW
Power consumption	P_1	1300 kW
Mains connection	1~230 V, 50 Hz	

Pipe connections

Nominal connection diameter on the pressure side	G 1
Nominal connection diameter on suction side	G 1

Materials

Pump housing	1.4301
Impeller	1.4301
Pump shaft	1.4005
Mechanical seal	Carbon/ceramic
Stage chambers	–
Diffuser/Injector	Noryl
Seal	NBR

Information for order placements

Make	Wilo	
Type	WJ 204	
Art no.	4144401	
Weight approx.	m	12 kg