

Pioneering for You

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*HVAC OEM Competence Centre*

# Wilo-Para MSL/6-43/SC

## Datasheet



# Wilo-Para MSL/6-43/SC

Heating



Field of application



Heating

Para MSL/6-43/SC-12

WILO	High Efficiency pump for heating application
MSL	Composite OEM pump housing
12	Threaded connection DN 12
6	6,8 = delivery head in [m] at Q = 0 m³/h
43	Max power consumption
SC	The pump is controlled by Push button technology SC = ΔP-v, ΔP-c, constant speed I, II, III
12	Control box orientation 12 o'clock (3, 6, 9 o'clock: also available)

Approved fluids  
(other fluids on request)

Heating water (in accordance with VDI 2035)  
Water-glycol mixtures (max. 1:1; above 20%  
admixture, the pumping data must be checked)

### Power

Energy Efficiency Index (EEI)	≤ 0.2
Max. delivery head	6,8 m
Max. volume flow	2,1 m³/h

### Permitted field of application

Temperature range for applications in HVAC systems at max. ambient temperature. Limit values for continuous operation at maximum rated power	Of 58°C = 0 to 100°C Of 62°C = 0 to 90°C Of 66°C = 0 to 80°C Of 71°C = 0 to 70°C
Maximum static pressure	PN6

### Electrical connection

Mains connection	1~230 V +10%/-15%, 50/60 Hz (IEC 60038 standard voltage)
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### Motor/electronics

Low voltage directive	20014-95/EC Conform
Electromagnetic compatibility	EN 61800-3
Emitted interference	EN 61000-6-3 EN 61000-6-4
Interference resistance	EN 61000-6-2 EN 61000-6-1
Protection class	IPx4D
Insulation class	F
RoHS / REACH	Compliant but not submitted

### Minimum suction head at suction port to avoid cavitation at water pumping temperature

Minimum suction head at 50/95°C	0.5/4.5 m
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### Motor data

Para	Speed	Power consumption 1-230 V	Current at 1-230 V	Motor protection
	n	P1	I	-
	rpm	W	A	-
MSL /6 SC	2430 - 4300	3-43	0,04-0.44	Integrated

### Materials

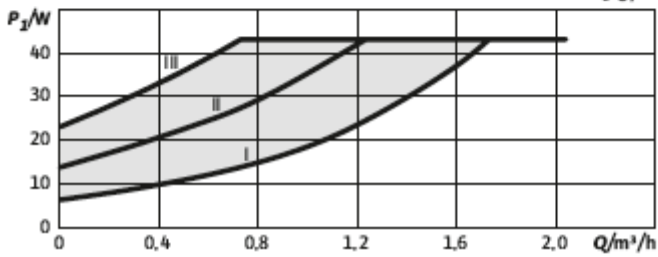
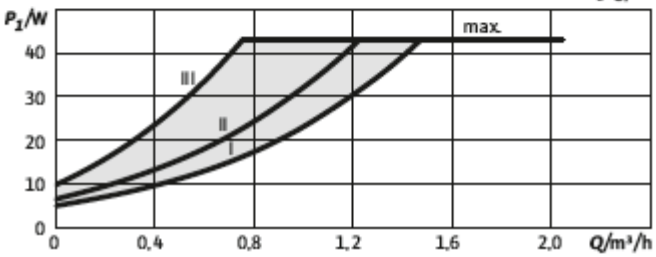
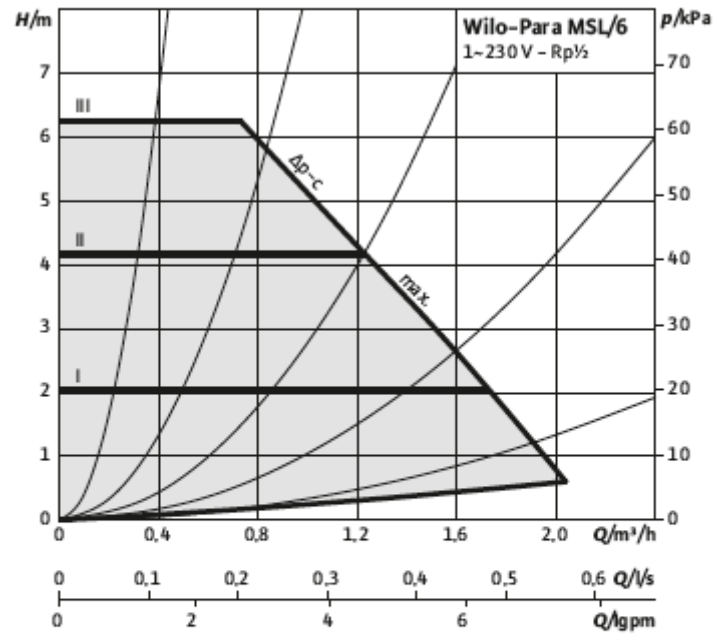
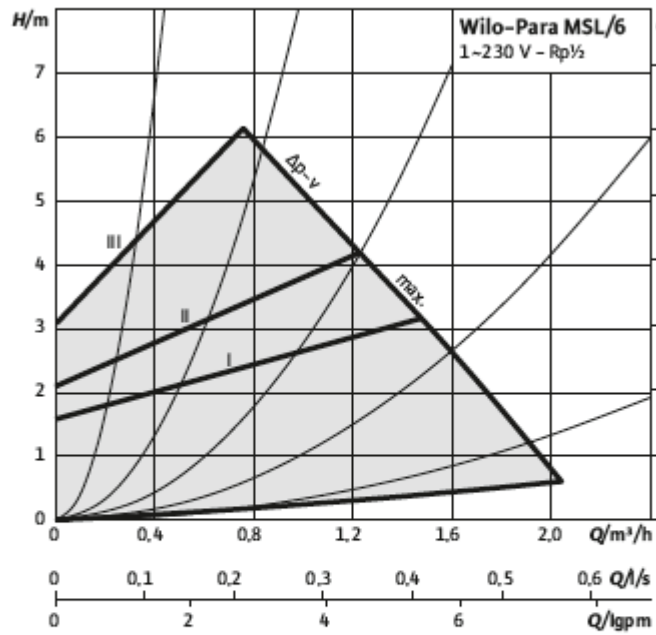
Para	Pump housing	Impeller	Pump shaft	Bearing
MSL /6 SC	PA6.6 composite with GF 30%	PP composite with GF 40%	Stainless steel	Carbon, metal impregnated

# Hydraulic operational area

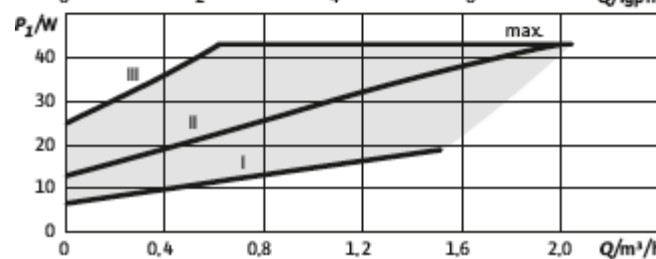
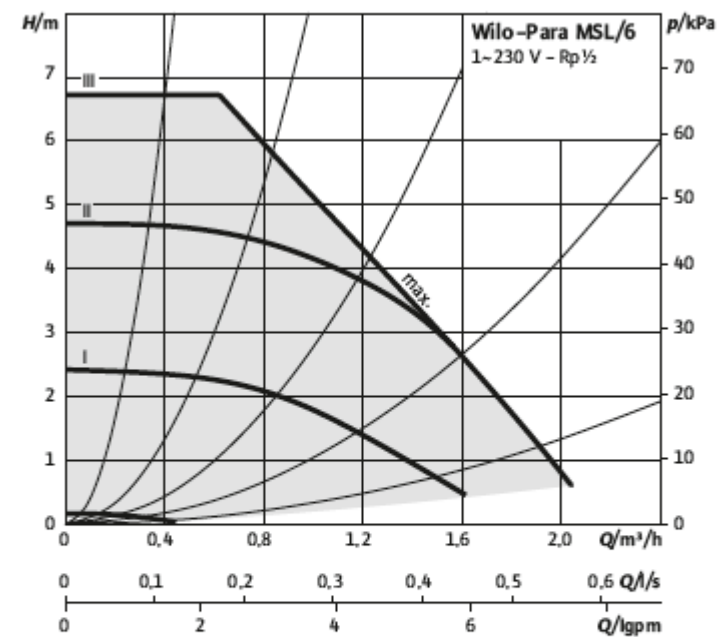
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$\Delta p-v$  (variable)

$\Delta p-c$  (constant)



Constant speed I, II, III



Heating

Datasheet Wilo-Para \*\*/6 SC

04/07

Hydraulic operational area

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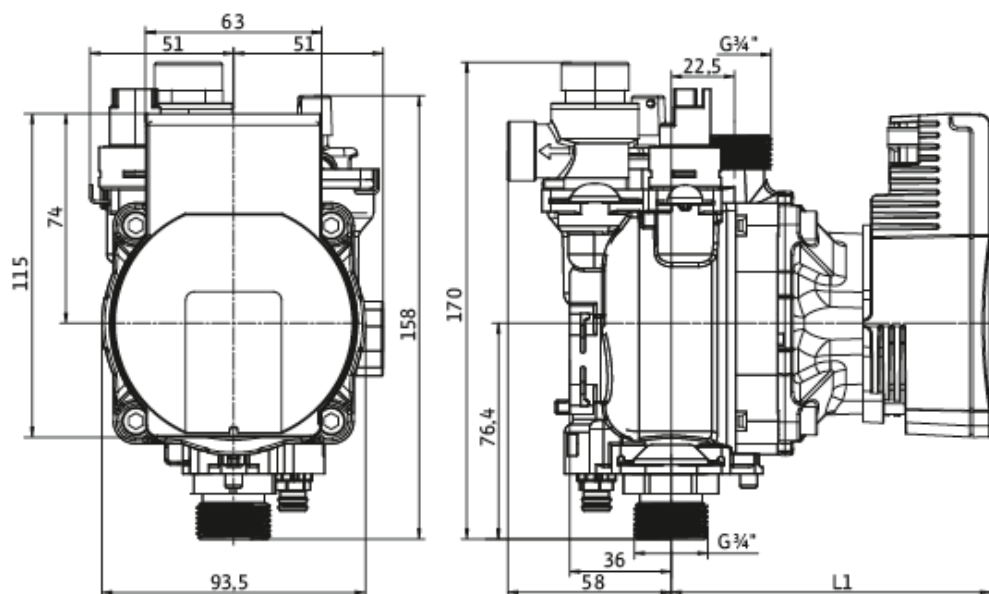
Heating



Standard  
factory  
setting

# Dimensions

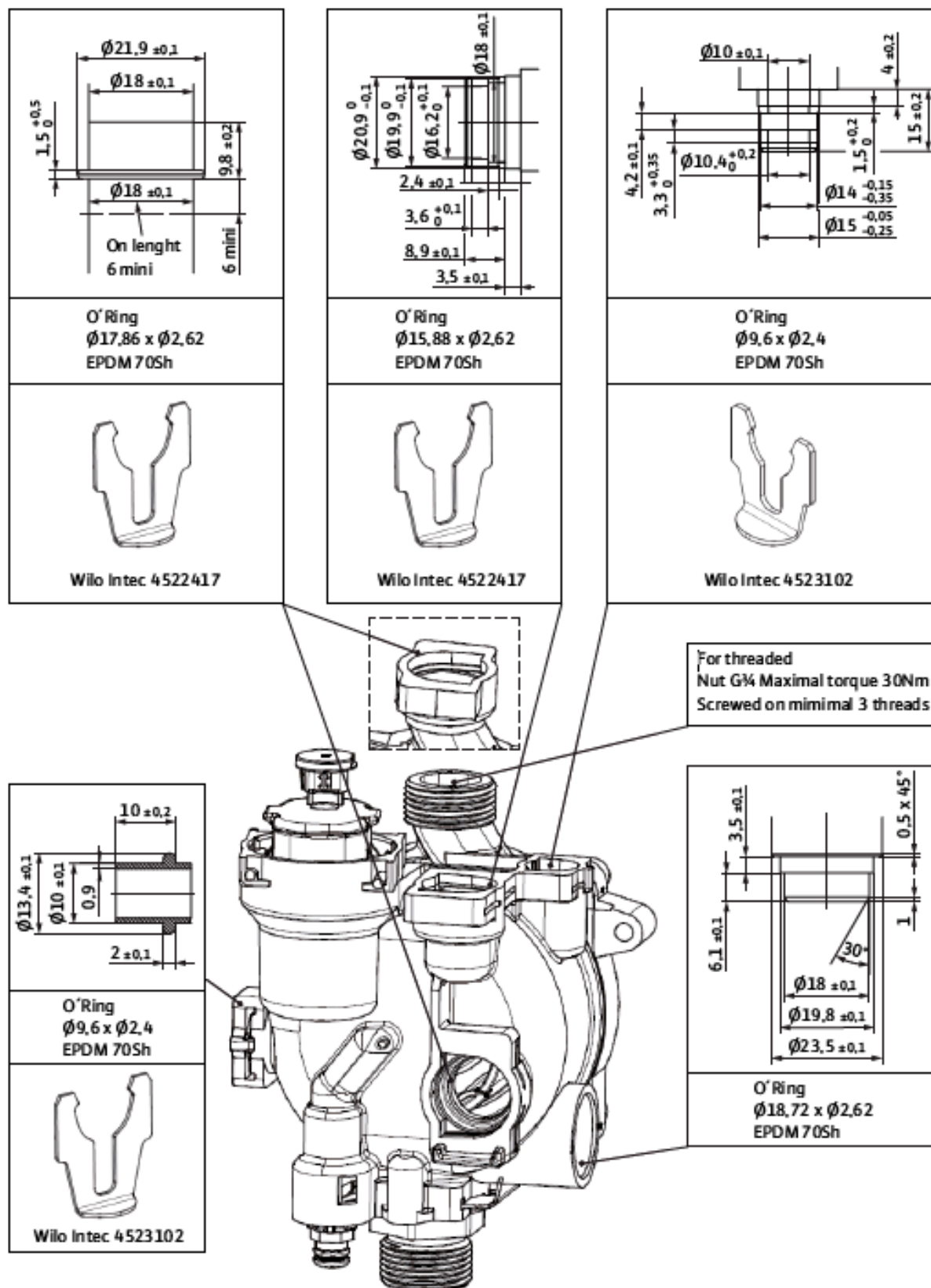
Wilo-Para MSL



## Technical data

Designation	Para MSL/6-43/SC	Para MSL/8-75/SC
Threaded pipe union	Rp 1/2	
Thread	G 3/4	
Weight approx. <i>m</i>	1 kg	1.2 kg
Dimensions <i>L1</i>	113 mm	125 mm

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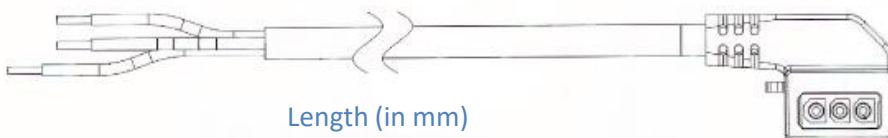


## Electrical Power connections

### Integrated Molex 3-way connector




### Accessories power cable



### Available mains cables

**Overmoulded power connector with brass end splices and type Facon PR260 on terminal box side (disconnection possible)**

cable length 500mm	4530966
cable length 1000mm	4524578
cable length 1500mm	4530763
cable length 2000mm	4527857

**Not  
assembled**



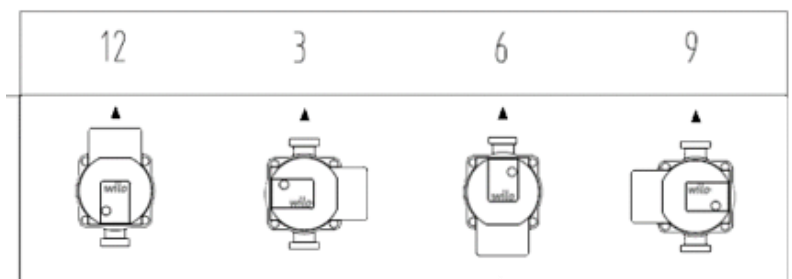
Molex 3  
ways



WS8

### Electrical Box orientation

▲ Flow direction





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