

Pioneering for You

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HVAC OEM Competence Centre

Yonos PARA RS **/7.5 RKC

Datasheet



ErP
READY

APPLIES TO
EUROPEAN
DIRECTIVE
FOR ENERGY
RELATED
PRODUCTS

Yonos PARA RS **/7.5 RKC



Field of application



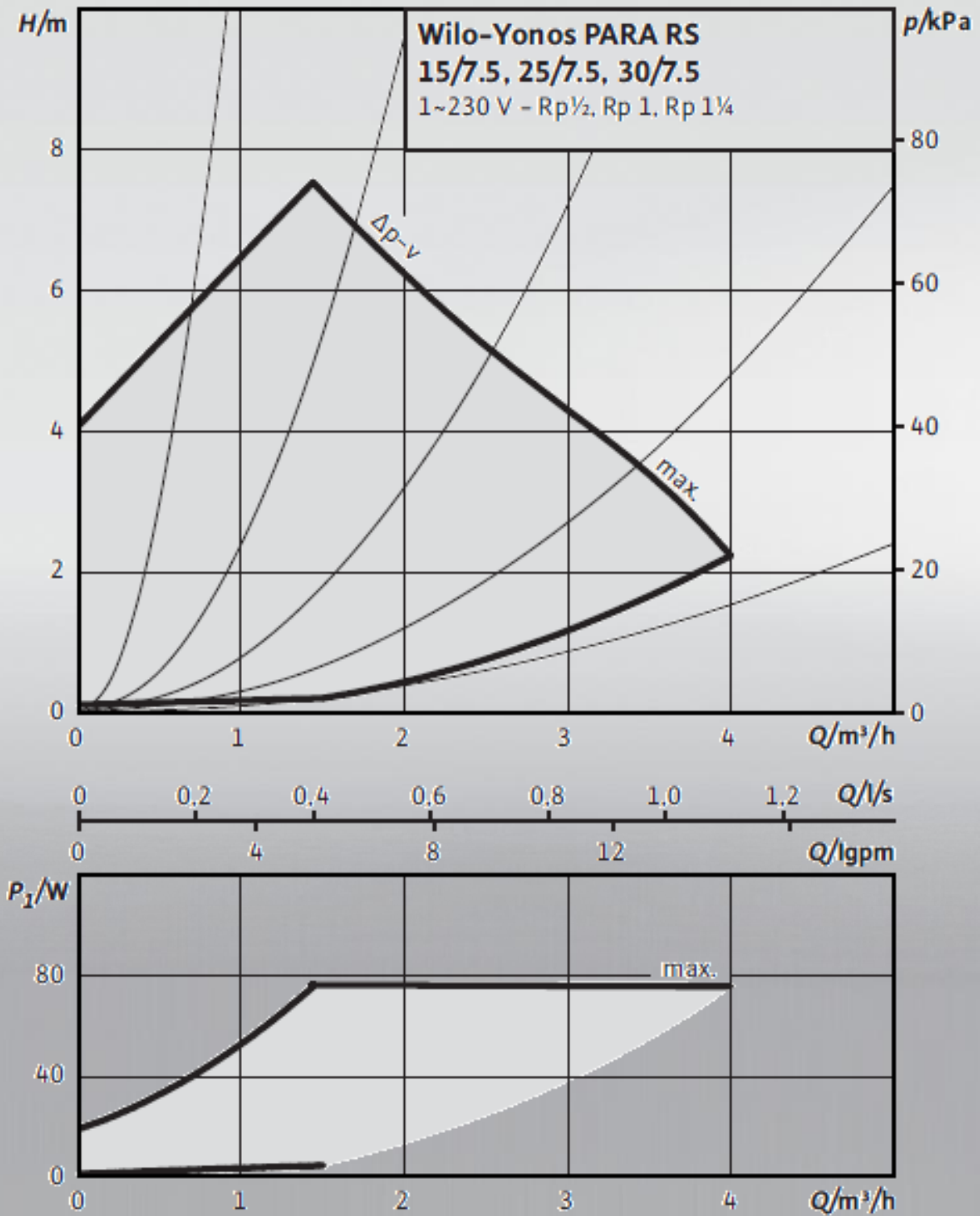
Heating

Yonos PARA RS 15/7.5 RKC 130 12

Yonos PARA	High Efficiency pump for heating application
RS	Inline cast iron pump housing
15	Threaded connection DN 15 (25, 30 : also available)
7.5	7.5 = delivery head in [m] at Q = 0 m³/h
RKC	The pump is controlled by Red Knob technology RKC = ΔP -v, constant speed I, II, III
130	Pump housing length 130 mm (110, 180 mm: also available)
12	Control box orientation 12 o'clock (3, 6, 9 o'clock: also available)

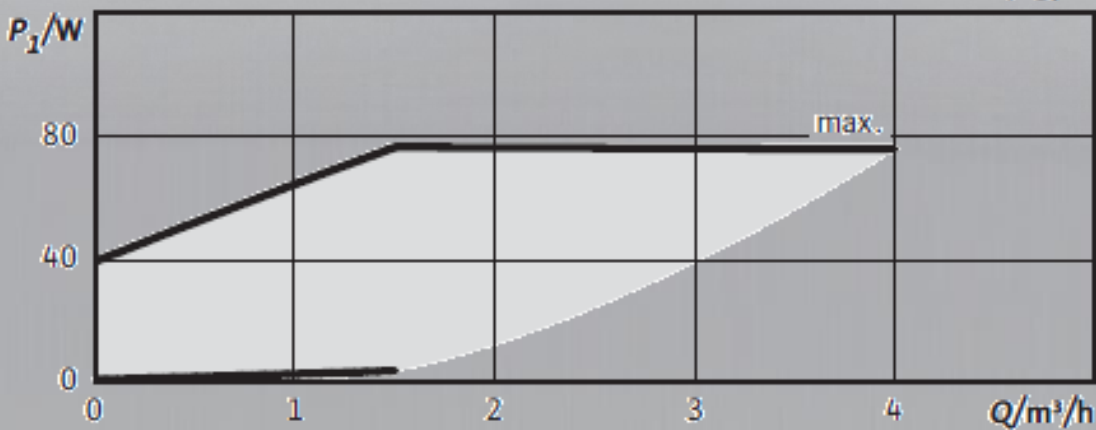
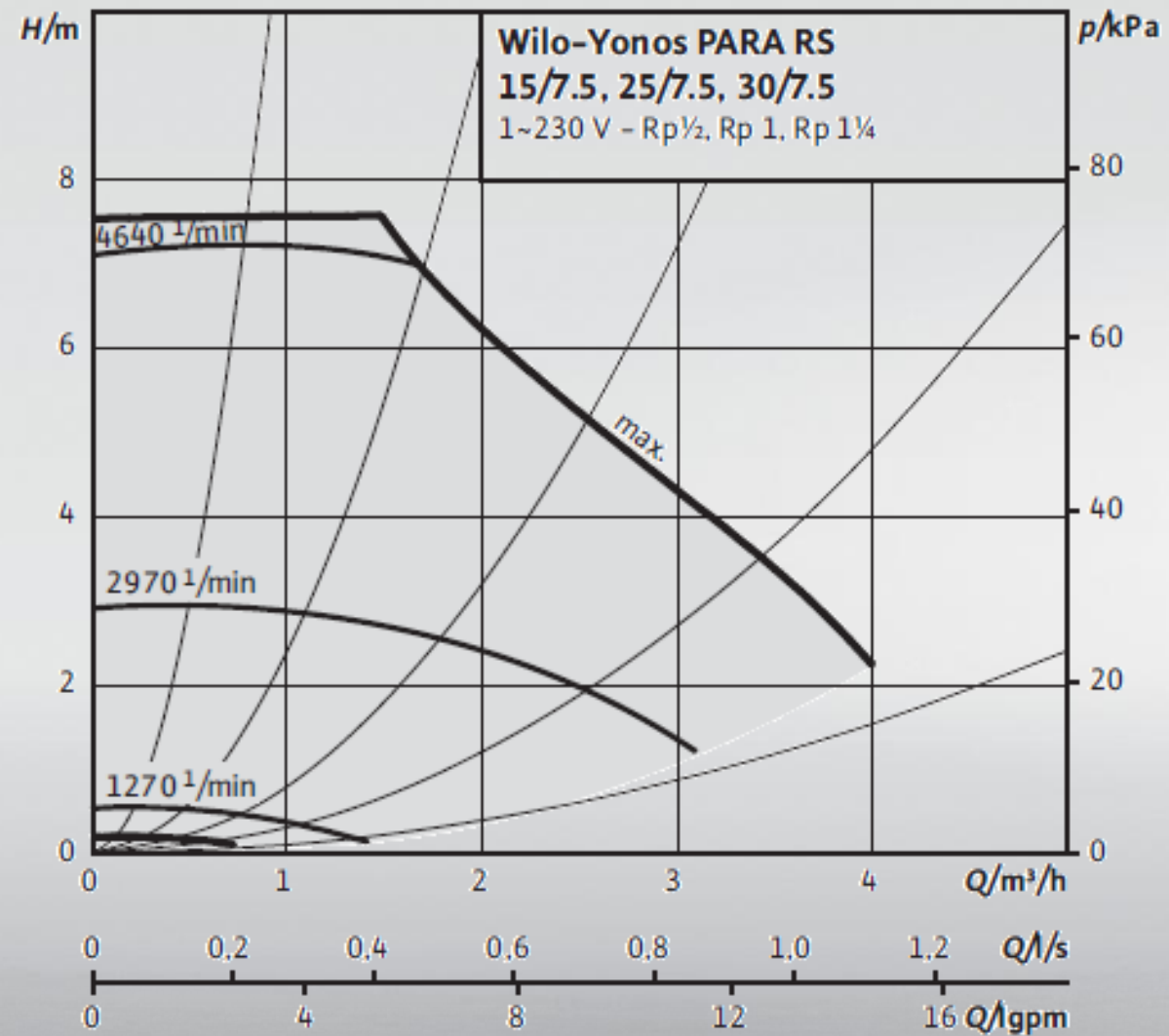
Hydraulic operational area Δp -v (variable)

Δp -v (variable)



Hydraulic operational area Constant speed I, II, III

Constant speed I, II, III



Electrical connections

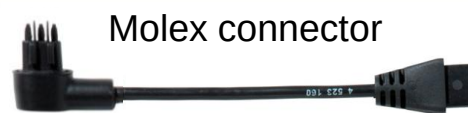
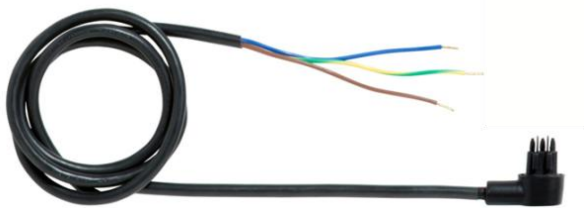
Integrated Molex 3-way connector



Overmoulded connector



Overmoulded power cables



Molex connector



Volex connector



WS8 connector

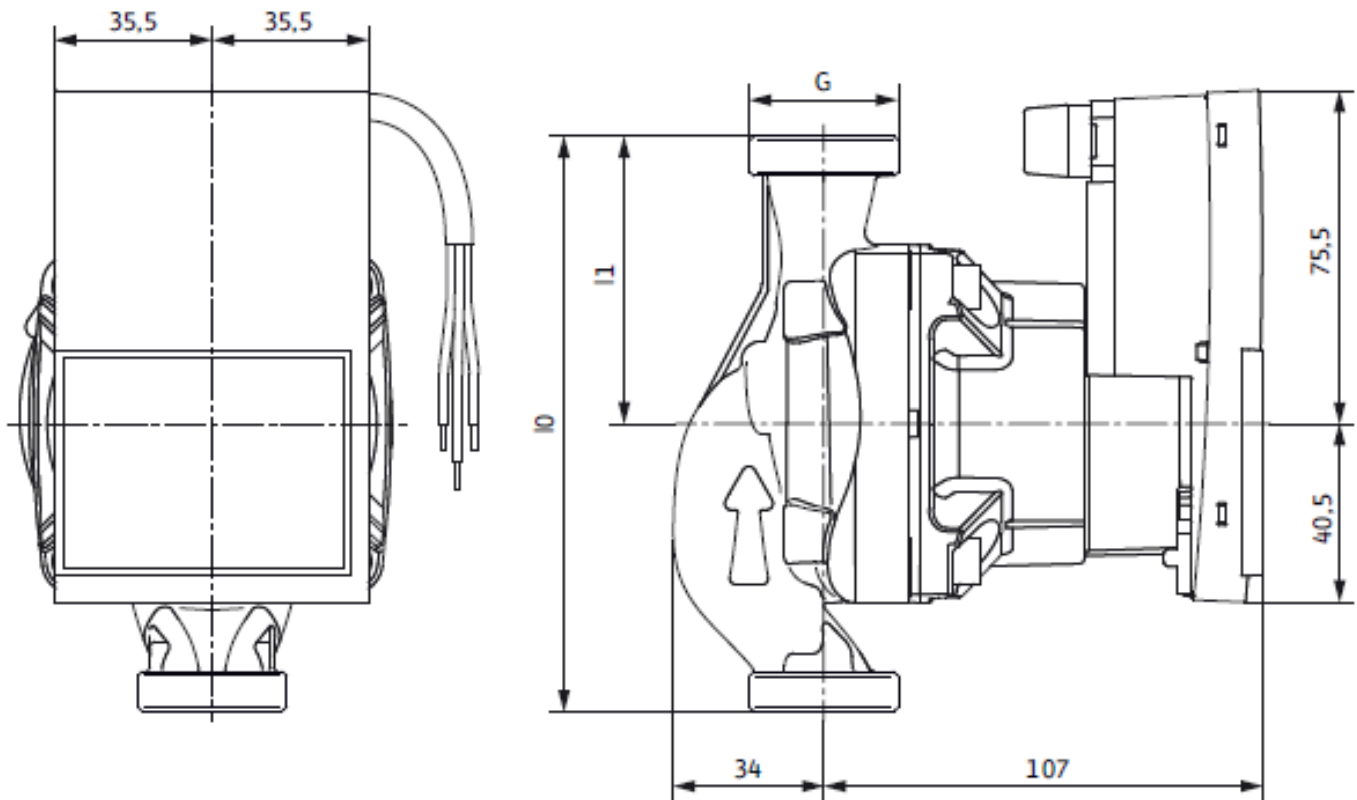


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Dimensions

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Thread	Overall length (mm)	Dimensions (mm)
	I0	L1
G1"	110	55
G1"	130	65
G1"½	130	65
G1"½	180	90
G2"	180	90

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)	≤ 0,21
Max. delivery head	7,6 m
Max. volume flow	4.0 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	PN 6

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	2006/95/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	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

Yonos PARA	Speed	Power consumption 1-230 V	Current at 1-230 V	Motor protection
	n	P1	I	-
	rpm	W	A	-
RS **/7.5 RKC	800 / 4770	4-75	0.04-060	Integrated

Materials

Yonos PARA	Pump housing	Impeller	Pump shaft	Bearing
RS **/7.5 RKC	Cast iron with cataphoresis treatment	PP composite with GF 40%	Stainless steel	Carbon, metal impregnated



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