



3 STAGE RADIAL (SR) PUMP
HIGHEST PERFORMING POWER UNIT
OPTIMUM COOLING
LOWEST NOISE LEVEL

3SR POWER UNITS

PERFORMANCE 3 TIMES OVER

A power unit is at the heart of a hydraulic system. It must always perform and must never break down. The Resqtec power unit 3SR range is designed for one purpose only; to deliver the highest performance without compromise!



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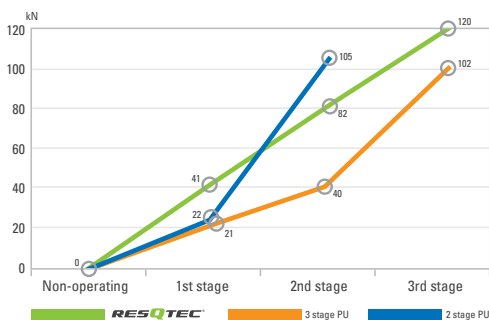
3SR POWER UNITS

PERFORMANCE 3 TIMES OVER



3 STAGE RADIAL (SR) PUMP

The 3SR power unit comes with a 3 stage radial system. Every stage of a power unit provides a flow and has a pressure setting. The 3SR delivers significant power in the 1st stage; it may not even need to enter the 2nd or 3rd stage to do its job. The more linear power curve results in more efficient and natural transitions between the stages, you always have the power (flow and pressure) you need.



HIGHEST PERFORMING POWER UNIT

The 3 stage pumps with optimized design and heavy duty pump elements offer higher flow rates. The result is faster operation of the tools. Another benefit is that the MTO 3SR pumps always have full simultaneous flow on both tool outlets.

OPTIMUM COOLING

Heat is the real enemy of rescue tools when it comes down to durability and performance.

Due to the superior internal design of the 3SR power unit, the hydraulic fluid is being transported in such manner that it enjoys optimum cooling and eliminates the possibility of foam/aeration and cavitation.

The 3SR also does not have an enclosure. The main benefit of an open unit is that it contributes to optimum cooling and delivers the most efficient dissipation of heat from the unit. All features that guarantee that your hydraulic tool always performs with the forces as advertised.

LOWEST NOISE LEVEL

The 3SR power unit range is the quietest in the market without the overheating problems generally related to enclosed power units. The new +SMART SPEED REGULATOR (an automatic speed regulator throttle control mode) further reduces the noise level. The result increased communication levels and decreased stress levels for both rescuer and victim.

Evaluate a power unit its performance, not just on weight alone, because that is what you need a power unit for...



MINI GXH50 STO 1X1 3SR



MIDI GX100 STO 1X1 3SR



MIDI GX100 MTO 2X2 3SR

	STO	STO	MTO
EN-13204 designation	STO	STO	MTO
Running time	ca. 180 min.	ca. 180 min.	ca. 180 min.
Engine / power supply	Honda 1.6 kW (2.1 HP) 4-stroke petrol	Honda 2.1 kW (2.8 HP) 4-stroke petrol	Honda 2.1 kW (2.8 HP) 4-stroke petrol
EN-13204 noise level at 1m distance	Lpa 80 dB	Lpa 80 dB	Lpa 78 dB
NFPA emission sound level at 4m distance	Lpa 74 dB	Lpa 76 dB	Not Applicable
Dimensions (LxWxH)	394 x 296 x 495 mm (±10)	441 x 340 x 511 mm (±10)	442 x 340 x 511 mm (±10)
EN-13204 weight (ready use HF & fuel full)	19.2 Kg	26.6 kg	29.6 kg
Dry shipping weight (with motor oil)	15.8 kg	22.7 kg	25.9 kg
Weight with HF but no fuel	18.5 kg	25.9 kg	28.9 kg
Pump	3 stage radial piston	3 stage radial piston	2x3 stage radial piston
Total hydraulic fluid capacity	3.0 liter	3.8 liter	3.8 liter
Effective hydraulic fluid capacity	2.0 liter	2.8 liter	2.8 liter
First stage	3,600 cc/min (3.6 l/min) (0-120 bar)	5,883 cc/min (5.9 l/min) (0-120 bar)	2x 3,200 cc/min (3.2 l/min) (0-120 bar)
Second stage	1,890 cc/min (1.9 l/min) (120-240 bar)	3,153 cc/min (3.2 l/min) (120-240 bar)	2x 1,972 cc/min (2.0 l/min) (120-240 bar)
Third stage	945 cc/min (0.9 l/min) (240-350 bar)	1,918 cc/min (1.9 l/min) (240-350 bar)	2x 986 cc/min (1.0 l/min) (240-350 bar)



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PERFORMANCE 3 TIMES OVER



GX160S MTO / GX160 E-START MTO



2.2 KW 220V MTO

EN-13204 designation	MTO	MTO
Running time	180 min.	X
Engine / power supply	Honda 3.6kW (4.8 HP) 4-stroke petrol	2.2kW 220V 50Hz Electric motor
EN-13204 noise level at 1m distance	Lpa 81 dB / 86 dB	Lpa 75 dB
NFPA emission sound level at 4m distance	Lpa 75 dB / 80 dB	Not applicable
Dimensions (LxWxH)	450 x 510 x 449 mm (±10 mm)	466 x 510 x 449 mm (±10 mm)
EN-13204 weight (ready use HF & fuel full)	40.0 kg / 46.4 kg	43.5 kg
Dry shipping weight (with motor oil)	33.9 kg / 44.6 kg	39.3 kg
Weight with HF but no fuel	38.2 kg / 40.2 kg	Not applicable
Pump 3-stage radial piston	3-stage radial piston	
Total hydraulic fluid capacity	4.9 liter	4.9 liter
Effective hydraulic fluid capacity	3.9 liter	3.9 liter
First stage (0-120bar)	2x 5,883 cc/min (5.9 l/min)	2x 3,821 cc/min (3.8 l/min)
Second stage (120-240 bar)	2x 3,153 cc/min (3.2 l/min)	2x 2,151 cc/min (2.2 l/min)
Third stage (240-350bar)	2x 1,235 cc/min (1.2 l/min)	2x 1,075 cc/min (1.1 l/min)



GX160S MTO SHR 2X20M / GX160 E-START SHR 2X20M

2.2 KW 220V MTO SHR

EN-13204 designation	MTO	MTO
Running time	180 min.	X
Engine / power supply	Honda 3.6kW (4.8 HP) 4-stroke petrol	2.2kW 220V 50Hz Electric motor
EN-13204 noise level at 1m distance	Lpa 81 dB / 86 dB	Lpa 75dB
NFPA emission sound level at 4m distance	Lpa 75 dB / 80 db	Not applicable
Dimensions (LxWxH)	477 x 941 x 449 mm (±10 mm)	480 x 941 x 449 mm (±10 mm)
EN-13204 weight (ready use HF & fuel full)	66.4 kg / 72.8 kg	70.4 kg
Dry shipping weight (with motor oil)	64.6 kg / 71.0 kg	66.0 kg
Weight with HF but no fuel	60.2 kg / 66.6 kg	62.4 kg
Pump 3-stage radial piston	3-stage radial piston	3-stage radial piston
Total hydraulic fluid capacity	4.9 liter	4.9 liter
Effective hydraulic fluid capacity	3.9 liter	3.9 liter
First stage (0-120bar)	2x 5,883 cc/min (5.9 l/min)	2x 3,821 cc/min (3.8 l/min)
Second stage (120-240 bar)	2x 3,153 cc/min (3.2 l/min)	2x 2,151 cc/min (2.2 l/min)
Third stage (240-350bar)	2x 1,235 cc/min (1.2 l/min)	2x 1,075 cc/min (1.1 l/min)

3SR POWER UNITS

PERFORMANCE 3 TIMES OVER



GX160S MTO IHR 2X20M / GX160 E-START IHR 2X20M

2.2 KW 220V MTO IHR

EN-13204 designation	MTU	MTU
Running time	180 min.	X
Engine / power supply	Honda 3.6kW (4.8 HP) 4-stroke petrol	2.2kW 220V 50Hz Electric motor
EN-13204 noise level at 1m distance	Lpa 81 dB / 86 dB	Lpa 75dB
NFPA emission sound level at 4m distance	Lpa 75 dB / 80 db	Not applicable
Dimensions (LxWxH)	461 x 852 x 437 mm (±10 mm)	461 x 852 x 437 mm (±10 mm)
EN-13204 weight (ready use HF & fuel full)	65.9 kg / 72.38 kg	69.9 kg
Dry shipping weight (with motor oil)	64.1 kg / 70.5 kg	65.5 kg
Weight with HF but no fuel	59.7 kg / 66.1 kg	61.9 kg
Pump 3-stage radial piston	3-stage radial piston	3-stage radial piston
Total hydraulic fluid capacity	4.9 liter	4.9 liter
Effective hydraulic fluid capacity	3.9 liter	3.9 liter
First stage (0-120bar)	2x 5,883 cc/min (5.9 l/min)	2x 3,821 cc/min (3.8 l/min)
Second stage (120-240 bar)	2x 3,153 cc/min (3.2 l/min)	2x 2,151 cc/min (2.2 l/min)
Third stage (240-350bar)	2x 1,235 cc/min (1.2 l/min)	2x 1,075 cc/min (1.1 l/min)



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