



Technical data



# BAVARIA TPO 270 - 320

## Extremely robust and solid

Maximum performance, maximum safety, absolute reliability.

Made in BAVARIA

Technical data TPO 270 - 450 LpM	
Filling capacity / delivery: This is calculated from the time required to fill a 10 l tank from 0 to 200 bar. The calculation is based on a barometric pressure of approx. 1013 mbar	TPO 270 = 270 L/min - 16.2 m³ = 9.53 cfm Filling time 7.40 min TPO 320 = 320 L/min - 19.2 m³ = 11.30 cfm Filling time 6.25 min, TPO 380 = 380 L/min - 22.8 m³ = 12.43 cfm Filling time 5.3 min, TPO 450 = 450 L/min - 27.0 m³ = 15.0 cfm Filling time 4.2 min,
Intake pressure, operating pressure	Atmospheric (0.5-1.2 bar), 90 to 350 bar (1305 to 5076 PSI), 420 bar (6091 PSI) version available at extra cost
Number of stages/cylinders	270-320 LpM 3 stages, 380 - 450 LpM 4 stages
Intermediate pressure safety valves	In each compression stage
Rotate direction	Counter clockwise
Cooling, air-cooled, required cooling air	TPO 270/1980 m³/h TPO 380 - 450 _ 2700 m³,
Lubrication	Low-pressure oil pump with oil filter
Oil quantity, oil type	TPO 270-450 approx. 2.6 liters, special synthetic with safety data sheet
Max. permissible ambient temperature	+5°C to +45°C (+43°F to +113°F)
Drive: HONDA GX 270 gasoline engine or YANMAR diesel engine L100N Models 380 + 450 HONDA GX 390 gasoline engine or LOMBARDINI diesel 15 LD 500	6.3 kW 8.3 HP 6.7 kW 9.2 HP 8.2 kW 11.23 HP 8.8 kW 12.0 HP
Semi-soundproofed compressor cabin, frame made of folded, welded 3 mm steel sheet, cladding and closures made of folded, welded 2 mm - 4 steel sheet. Compressor frame with shock absorbers, bare block and drive decoupled with silent blocks, compressor block and drive decoupled with silent blocks	Powder-coated RAL 9005/9007, Silent block and anti-vibration rubber-bound metal feet 50 x 40 mm Rubber-bound metal elements 45 x 50 mm
Noise dbA from a distance of 1.5 m	approx. 98 dbA
Intake filter	Micronic Superfine
IDE high-end compressor control	Star-delta soft start, start/stop button, main switch, emergency stop button
Automatic condensate drain with two/three condensate separators and silencer	Automatic every 15-20 minutes, including 10-liter tank
Unloader, compressor start, and automatic stop at final pressure	Automatic
Pressure maintaining valve/check valves/ Final pressure valve ventable,	Set to 120 bar/2/1 final pressure Safety valve, ventable with type examination certificate

Model Operating pressure	Drive	FAD	Stages	Engine		Dryer / Filter system	Dimensions (cm)			Weight
				kW	HP		L	W	H	
350 bar-420 bar		l/min				Type/m³ @15 °C				
TPO 270L 350 bar	Gasoline/Diesel	270	3	B 6.3 D 6.7	B 8.3 D 9.2	FT 160/760	112	55	61	195 205
TPO 320L 350 bar	Gasoline/Diesel	320	3	B 6.3 D 6.7	B 8.3 D 9.2	FT 160/760	112	55	61	195 205
TPO 380L 350 bar TPO 380L 420 bar	Gasoline/Diesel	380	4	B 8.2 D 8.8	B 11.23 D 12.0	FT 160/760	112	55	61	205 225
TPO 450 L 350 bar TPO 450L 420 bar	Gasoline/Diesel	450	4	B 8.2 D 8.8	B 11.23 D 12.0	FT 160/760	112	72	61	205 225
Surcharge for 420 bar version TPO 380/450	Gasoline/Diesel	380 450	4	B 8.2 D 8.8	B 11.23 D 12.0	FT 160/760	112	55	61	205 225

EQUIPMENT and OPTIONALS for TPO HEAVY DUTY	DIESEL	GASOLINE
200 or 300 bar version	1	1
Standard without filling panel with 2 filling hoses additional hoses as option possible with filling panel	●	●
2nd pressure range for simultaneous filling Of 200 and 300 bar	○	○
Attached filling ramp with 4 toggle lever filling valves and hose connection	○	○
Attached filling ramp with 4 toggle filling valves and direct bottle connection	○	○
Dryer system FT 160= 760 m³ @ 20°C ;	●	●
Dryer system FT 410 = 1400 m³ @ 20°C ; additional price	○	○
Gasoline engine HONDA GX 270 6,3 kW- 8,6 HP with coil and electric start Diesel engine Yanmar L 100 with 6,8 kW 9,25 HP with coil, stop-valve and electric start	you can choose Diesel or Gasoline	
additional Activated carbon and Hopcalite 1/2-1/2 filled adsorber for removing all oil vapors and hydrocarbons and change high toxic CO in less toxic CO2	○	○
Automatic final pressure shut down and automatic condenswater drain with starter Battery for Gasoline Version,	●	●
Automatic final pressure shut down and automatic condenswater drain with starter Battery for Diesel Version,	●	●
AIRSCRUBBER reduces CO concentration in the intake air up to -800 L/Min.	○	○
Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 0,01 µ	○	○
Transportwheels , 2 + 2 pcs steerable with brakes	○	○

● equipped as standard | ○ optionally available

Subject to technical changes.  
Illustrations may contain optional equipment.

[www.ide.de](http://www.ide.de)



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