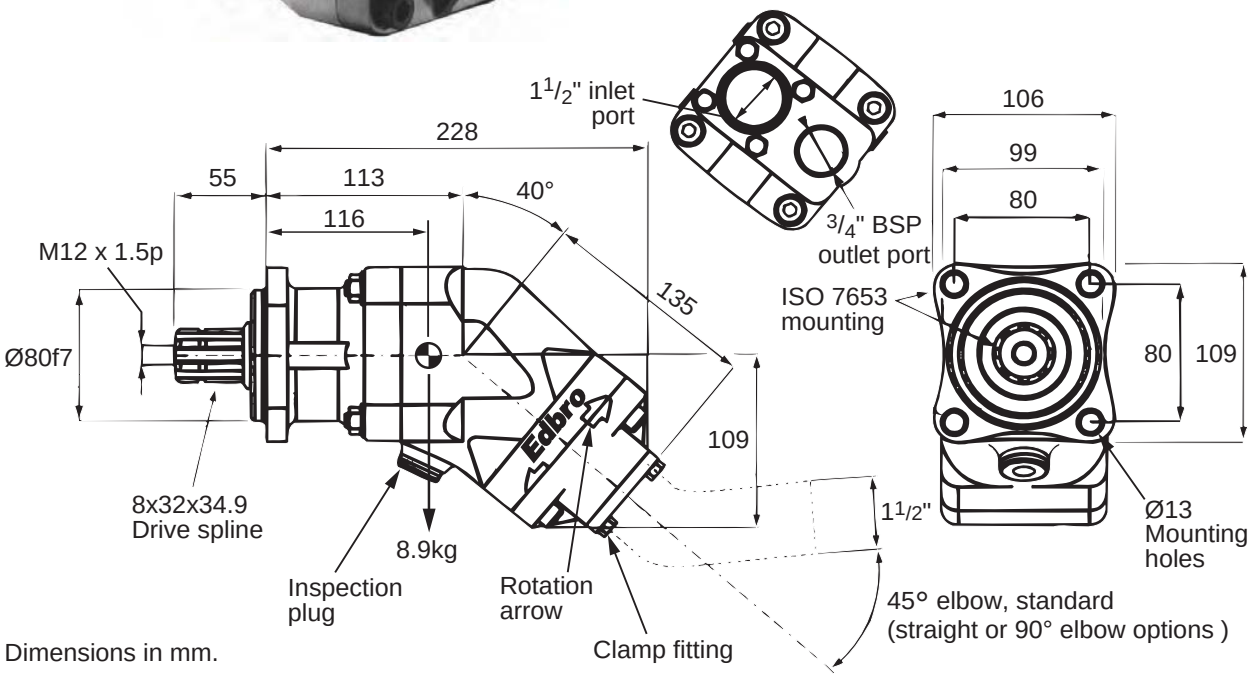
Bent Axis Piston Pump: Tipper Applications - EBA09022

- 90 cm³/rev output flow
- Medium pressure (250 bar mwp)
- Compact size for easy installation
- Ideal for close coupled PTO mounting
- Lightweight aluminium casings
- Reversible rotation whilst installed
- 4 - Hole ISO7653 Mounting flange



Dimensions in mm.

PIPE ADAPTOR KIT OPTIONS

Low pressure inlet adaptors	High pressure outlet adaptor options	
	3/4 inch BSP straight (NR611/1, DPP45F)	3/4 inch BSP 90° elbow (NR611/1, NR627, DPP45F)
1 1/2 inch push-on 45° elbow (NR1588)	AK53 (standard)	AK66
1 1/2 inch push-on 90° elbow (NR1589)	AK54	AK67
1 1/2 inch push-on straight (NR1612)	AK52	AK65
2 inch push-on	Details available on request	

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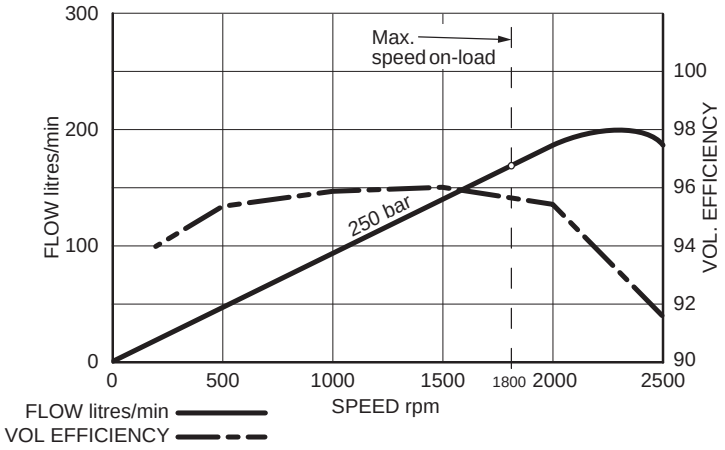
PERFORMANCE

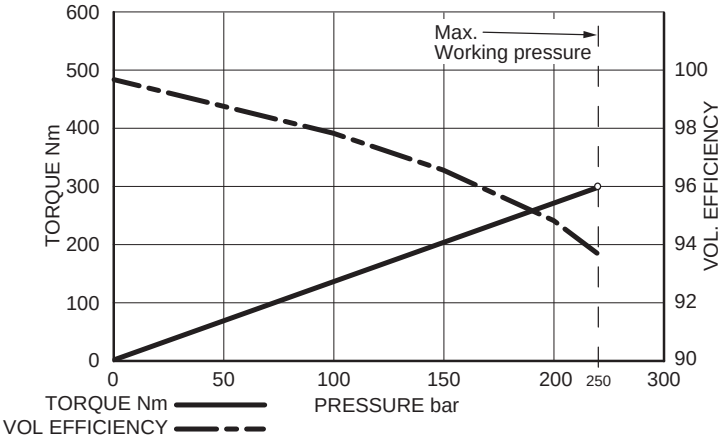
Displacement	cm^3/rev	90
Max. Working Pressure	bar	250
Max. Working Speed	rpm	1800
Max.Speed Off-Load	rpm	2500
Power	Kw	70
Weight	kg	8.9
Moment at PTO face	Nm	10.1



PIPES

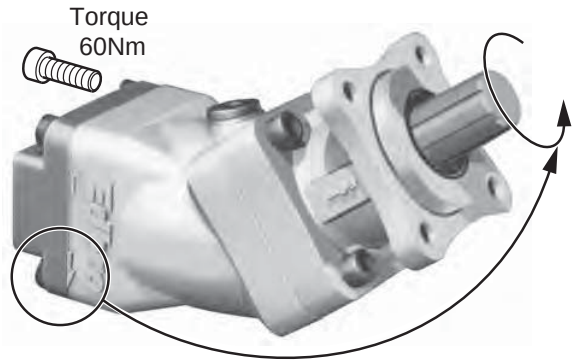
Size: Suction $1^1/_2$ inch minimum
Pressure $^3/_4$ inch minimum

For improved high speed efficiency and to avoid cavitation, a 2 inch suction pipe must be used.
The suction pipe must be able to withstand -12psi (-0.8bar) pressure.
Pipe runs should be direct and short, with no kinks.



OIL & FILTRATION

This pump is designed for low pressure, intermittent use, tipper systems without filtration.
The oil should be a good quality hydraulic oil to ISO 6743/4 HM32 for -15° to +27°C working temperature.
For extended life or for higher duty applications, 25µm absolute return line filtration is recommended.
Oil cleanliness to be maintained to ISO 4406 class 19/16.
Oil should be replaced annually.



ROTATION DIRECTION

The rotation direction is shown by the complete arrows on the pump casing, and is specified as clockwise (right hand rotation) or anti-clockwise (left hand rotation), when viewed looking toward the pump along the splined shaft.
To change the rotation direction, remove the 4 setscrews and lift the end cover by a few mm.
Rotate through 180° push back into place and replace the setscrews.
Unless specially requested, ANTI-CLOCKWISE configuration will be supplied.