

All information given in this document is current and valid according to the information available at the time of publication. Please contact the manufacturer for the most recent version of this document.

## HYDRAULIC MOTOR:

Motor series:	<b>BB Series</b>	Weight:	<b>66 kg</b>
Motor frame:	<b>BB 4</b>		
Mechanical freewheeling <sup>1</sup> :	<b>No</b>		
Displacement control:	<b>1-speed - fixed displacement</b>		
Grease ring sealing:	<b>no</b>		
Speed sensor:	<b>no</b>		

<sup>1</sup> = Mechanical freewheeling: When motor is depressurized, it will automatically switch to freewheeling mode.  
Hydraulic freewheeling is not recommended.

## PERFORMANCE:

Speed range:	1 x
Displacement mode:	100 %
Displacement:	800 ccm
Preferred operating direction:	-
Max. rotating speed:	185 rpm
Max. peak power:	35 kW
Max. working pressure (peak pressure):	350 bar
Max. working pressure (intermittent <sup>2</sup> ):	300 bar
Max. theoretical torque:	4460 Nm
Max. average case pressure:	2 bar
Max. intermittent case pressure:	10 bar
Max. operating temperature <sup>3</sup> :	75 °C

<sup>2</sup> = Intermittent operation: Permissible values for maximum 10 % of every minute.

<sup>3</sup> = Allowed operating temperature depends on hydraulic fluid viscosity at operating temperature.

## BRAKE DEVICES:

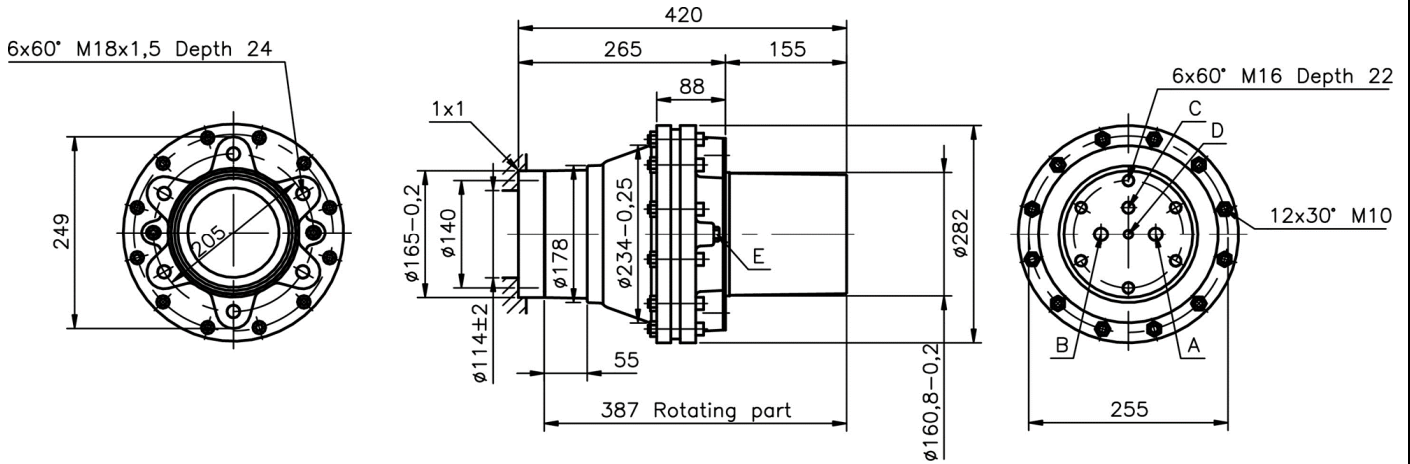
Internal brake:	<b>Parking brake - Spring applied - Hydraulic released wet multi-disc brake</b>		
Braking torque:	3700 Nm	Releasing displacement:	30 ccm
Releasing pressure:	70 bar	Releasing flow rate <sup>4</sup> :	< 0,1 l/min
Max. releasing pressure:	300 bar		
External brake:	<b>none</b>		

Declared braking torque is for reference only. Application braking ability has to be ensured by tests and/or certification.

<sup>4</sup> = Required flow to hold brake open. Declared value is for new brake.

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## DIMENSIONS:



Rotational direction of the motor housing<sup>5</sup>:

<sup>5</sup> = View direction from hub to shaft.

**CW** when flow direction is A to B

**CCW** when flow direction is B to A

## MECHANICAL INTERFACES:

Interface:	Size:	Pattern:	Strength class <sup>6</sup> :	Tightening torque <sup>7</sup> :
SHAFT	M16x2,0 depth 22	Ø140 - 6 x 60°	12.9	330 ± 17 Nm
HUB	M18x1,5 depth 24 (clearance 5)	Ø205 - 6 x 60°	10.9	383 ± 19 Nm

<sup>6</sup> = Strength class as in ISO 898-1. If lower strength class is used, check interface load capacity and tightening torque.

<sup>7</sup> = Declared values are for reference only. Always use application specific tightening torques when given.

## HYDRAULIC CONNECTIONS:

Port:	Function:	Pmax <sup>8</sup> :	Type:	Size:
<b>A , B</b>	Working lines	350 bar	ISO 1179-1	G3/4"
<b>C</b>	Case drain	40 bar	ISO 1179-1	G3/8"
<b>D</b>	Parking brake release	300 bar	ISO 1179-1	G1/4"
<b>E</b>	Air bleed (2)	-	-	M10x1,5 (with hex head screws)

<sup>8</sup> = Max. potential pressure in port. See performance for allowed operating pressure.