

Technical Catalogue
Catalogo Tecnico

EN / IT

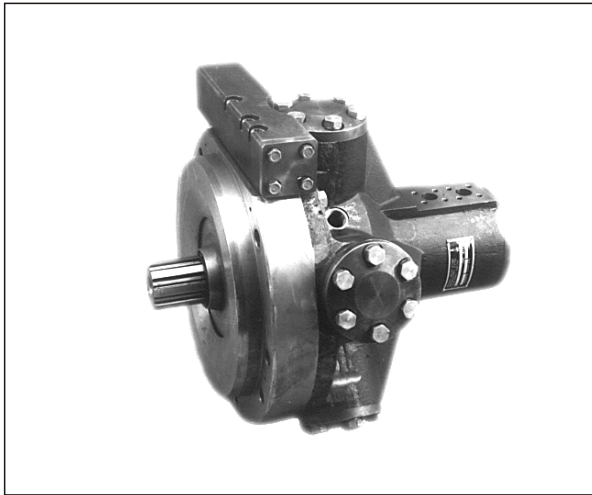
R1B44
series

Hydraulic Radial Piston Motor
with Brake

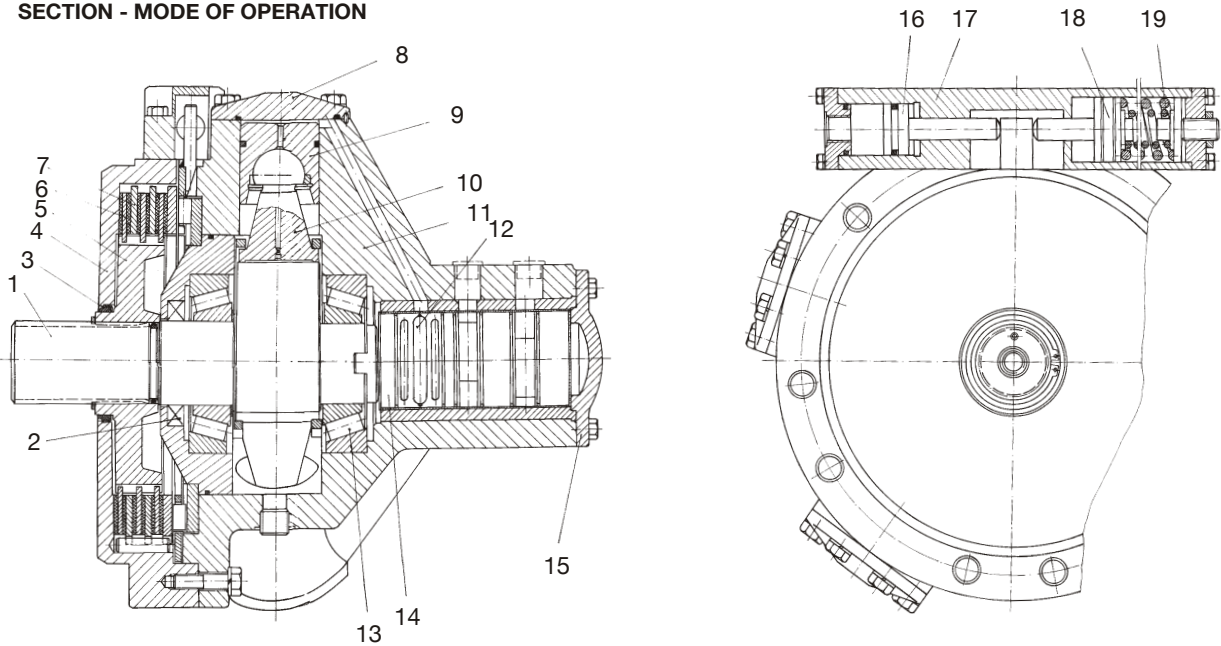
Revortex

Innovation + High Performance + Durability

- High torque
- Still operation at low speed
- Output shaft may be loaded with axial and radial forces
- Possibility of quick reversal of rotation
- Due to low speed and high torque, these motors are used instead of gear boxes
- Motors for both open and closed-loop systems
- Installing mechanical brake with lamellas. After action of hydraulic fluid has been ceased, remain in braked position



SECTION - MODE OF OPERATION



1. Drive shaft
2. Shaft seal
3. Wiper
4. Cover
5. Subcover
6. Friction disc
7. Disc
8. Cylinder cover
9. Piston
10. Piston rod
11. Housing
12. Distributor
13. Bearing
14. Coupling
15. Rear cover
16. Piston
17. Body
18. Spring holder
19. Springs

B

TECHNICAL DATA

GENERAL

Symbol	
Designation	R1B44 -0500
Rotation direction	anticlockwise and clockwise
Mounting position	optional
Ambient temperature (°C)	... +50
Mass (kg)	131

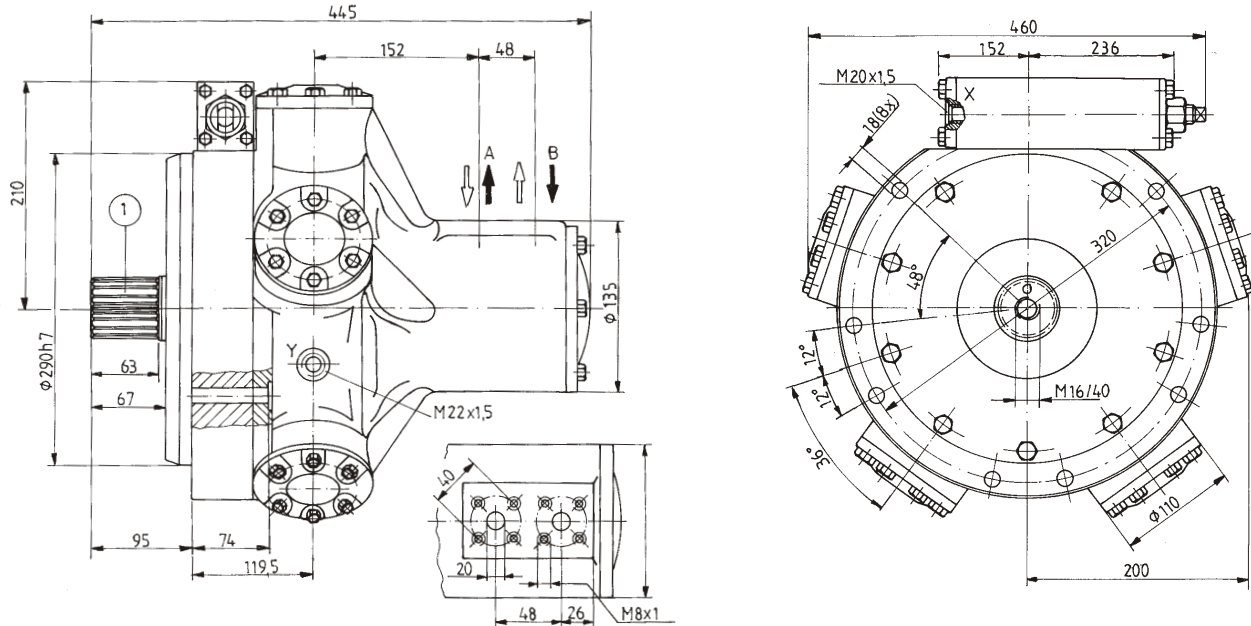
HYDRAULIC

Displacement (cm³)	510
Pressure (bar)	nominal 160 max 200
Torque (max) (Nm)	2229
Speed range (rpm)	min 10 max 200
Forces on shaft* (N)	axial 3000 radial 5000
Braking torque (Nm)	max 2229
Unbraking pressure (Bar)	30
Working fluid	mineral oil
viscosity (mm²/s)	15 ... 80
temperature (°C)	-20 ... +70

*At 300 rpm and pressure 200 bar

Note:
Hydraulic motors can operate at lower speed than 10 rpm, but under specified conditions. In such a case, consulting is needed.

MOUNTING DRAWING (dimensions in mm)



① = shaft form 8x52x58 JUS M.C1.420

WARNING

Errors in the selection or use of the products and / or systems described, can cause serious personal injury and property damage. It is critical that all aspects of the application and the operating conditions and products chosen are analyzed and re-examined. Making own tests and evaluations, the user is the only one able to ensure compliance with performance, safety and cautionary use requirements.

The general sales conditions are provided by Revortex in the sales offer and in the order confirmation.

Technical information, drawings, images and material characteristics in this catalog are just informative.

Certifications or declarations must be required during the offer request phase.

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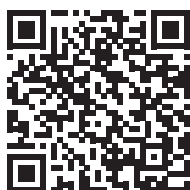
Descriptions, materials, product catalogs and price lists can be changed at any time without previous information.



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