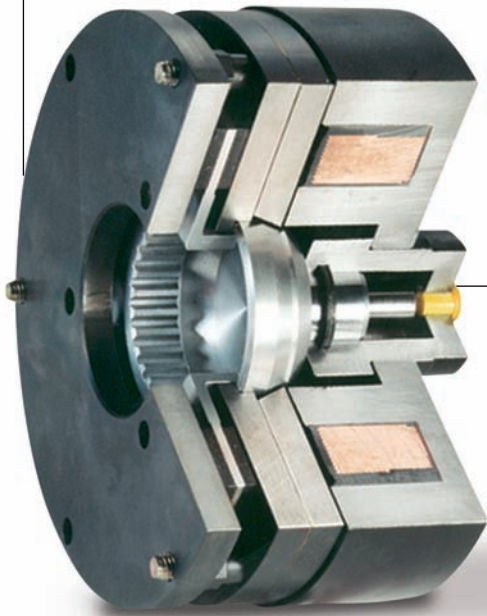




ERD HBF

Electrically Released Bi-functional Brake



Parking and stopping brake actuated by driver

The Electro-Release Bi-functional Brake (ERDHBF) is based on the Electro-Release Hydraulic amplified brake type ERDH. A low-magnetic moving armature is added between the armature and the friction disc assembly. The force generated by the hydraulic piston is applied directly to the armature. By monitoring the hydraulic pressure via a foot pedal or a lever handle, a hydraulic service brake combined with an electromagnetic failsafe brake is obtained. The major benefit is improved service braking force.

Forklift Applications

- Ride on Pallet Truck
- Reach Truck

Warner Electric/Matrix International is a world leader in the design and manufacture of hydraulic, pneumatic and electromagnetic brakes and clutches for battery powered vehicles. We offer a full range of traction motor and load wheel brakes and specialize in customized solutions to meet your specific performance and installation requirements. We have over 60 years of experience delivering high technology, cost effective braking systems. We offer production, engineering and application support from our facilities in Europe, the U.S. and China. Contact us today to discuss how our dedicated engineers can assist you.

The ERDHBF is particularly suitable for demanding reach trucks, very high load capacity ride on trucks and counterbalance trucks.

- Torque capacities 20 to 150 Nm
- Parking brake actuated by spring pressure
- Working brake actuated by foot pedal
- For dry use
- For vertical and horizontal use
- No residual torque
- Cable or hydraulic actuator
- Complete range of adaptable hydraulic booster

For Technical Assistance Call

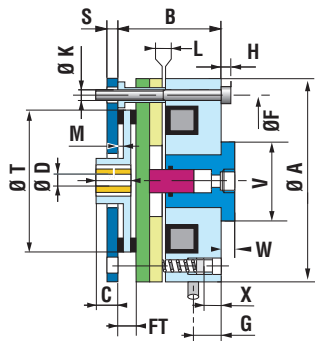
800-825-9050



An Altra Industrial Motion Company



ERD HBF



Electrically Released Bi-functional Brake

Size		020	035	060	100
Size		020	035	060	100
Max. combined torque - Emergency stop condition [Nm]		40	70	120	200
Max. spring torque - Parking condition [Nm]		20	35	60	100
Max. hydraulic torque - Driver torque via pedal [Nm]		20	35	60	100
Max. speed [min ⁻¹]		3600			
Nom. current at 20 °C A [24 VDC ±30%]		1,22	1,61	1,94	2,35
A	[mm]	127	147	162	188
B	[mm]	47,5	54,5	64	71
C	[mm]	14,2	17	21	21
D	[mm]	15/20/22	20/24/25	25/30	25/30/35
F	[mm]	112	132	145	170
FT	[mm]	9,8	11	12	12
G	[mm]	15,5	19,7	19	22
H	[mm]	8	8	10	10
K	[mm]	3 x M6	3 x M6	3 x M8	3 x M8
L nominal	[mm]	0,3	0,3	0,3	0,3
M	[mm]	4	3	3	3
S Thick flange	[mm]	9	9	11	11
S Intermediate flange	[mm]	4	5	5	6
T	[mm]	96	116	125	150
V On flat	[mm]	50	50	50	50
W	[mm]	11	7	7	7
Inertia (Metal only) [kgcm ²]		2,8	7,4	21,7	36,5
Weight [kg]		4,25	6,25	8,25	12,7
Max. hydraulic pressure [bar]		50			
Ambient temperature [°C]		-20 / +60			



Matrix International
 Brechin, Angus • Scotland DD9 7EP
 +44(0) 1356 602000
 E-mail: sales@matrix-international.com



Warner Electric
 449 Gardner Street
 South Beloit, IL 61080 • USA
 800-825-6544
 www.warnerelectric.com



Warner Electric Europe
 B.P. 11095, F-49182
 St Barthelemy d'Anjou Cedex • France
 +33(0)2 41 21 24 24
 www.warnerelectric-eu.com