

TECHNICAL DATA SHEET**HYDRAULIC POWER UNIT WB-RB-HPU TO RELEASE WHEEL BRAKE – RAIL BRAKE SYS.****1.1. Leading Features – BRELX Power Unit****1.2. Standard Technical Design Data – Hydraulic Power Unit**

	ITEM	DESCRIPTION
A.	HYDRAULIC SYSTEM	<ul style="list-style-type: none"> Fully contained in a robust Stainless Steel enclosure with quality door locks Oil Catch Basin c/w manual valve drain within the enclosure Hydraulic system does not require continuous pump operation All valves and/or solenoid coils are easily accessible or replaced without disassembly of other mechanical or electrical hydraulic power unit components
B.	HYDRAULIC OIL	<ul style="list-style-type: none"> ISO VG32 (not supplied).
C.	MOTOR	<ul style="list-style-type: none"> TEFC, 1800 rpm UL; CSA approved
D.	PUMP	<ul style="list-style-type: none"> Fixed displacement gear pump
E.	SOLENOID VALVE	<ul style="list-style-type: none"> Normally open solenoid valve with manual override function
F.	SOLENOID COIL	<ul style="list-style-type: none"> No additional water/weather proofing is required. Steel shell encapsulated design provides protection against physical and environmental damage. Environmental Protection IP65
G.	RELIEF VALVE	<ul style="list-style-type: none"> Relief valve pressure is set at app. 115% above operating pressure.
H.	FLOW CONTROL VALVE	<ul style="list-style-type: none"> To provide adjustable set time 2 up to 30 seconds
J.	PRESSURE SWITCH	<ul style="list-style-type: none"> BRELX standard product CSA, UL approved
K.	TEMP & LEVEL SWITCH	<ul style="list-style-type: none"> BRELX standard product. CSA, UL approved
L.	HAND PUMP	<ul style="list-style-type: none"> BRELX Standard for hydraulic manual release
M.	ACCUMULATOR	<ul style="list-style-type: none"> Sufficiently sized to provide fast release of the brakes.
N	PRESSURE GAUGE	<ul style="list-style-type: none"> 20 MPa (3000PSI) Rated ¼" NPT Port
O.	HOSES	<ul style="list-style-type: none"> Non-Skiving type, rated for pressure 30 MPa (4350PSI)
P.	FITTINGS	<ul style="list-style-type: none"> Optional stainless steel hydraulic fittings for corrosion protection
R.	JUNCTION BOX	<ul style="list-style-type: none"> CSA, UL approved, NEMA 4X Stainless Steel
S.	OIL TANK	<ul style="list-style-type: none"> Noncorrosive Seamless Aluminum anodized tank with drain plug at the lowest point, supplied with manual drain valve.

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