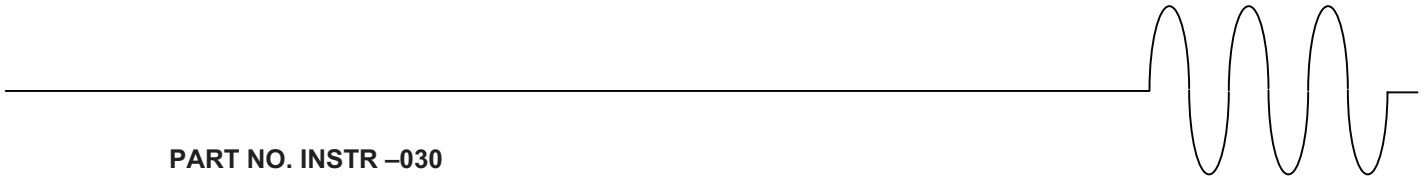
MTE SERIES RLW
World REACTORS

USER MANUAL

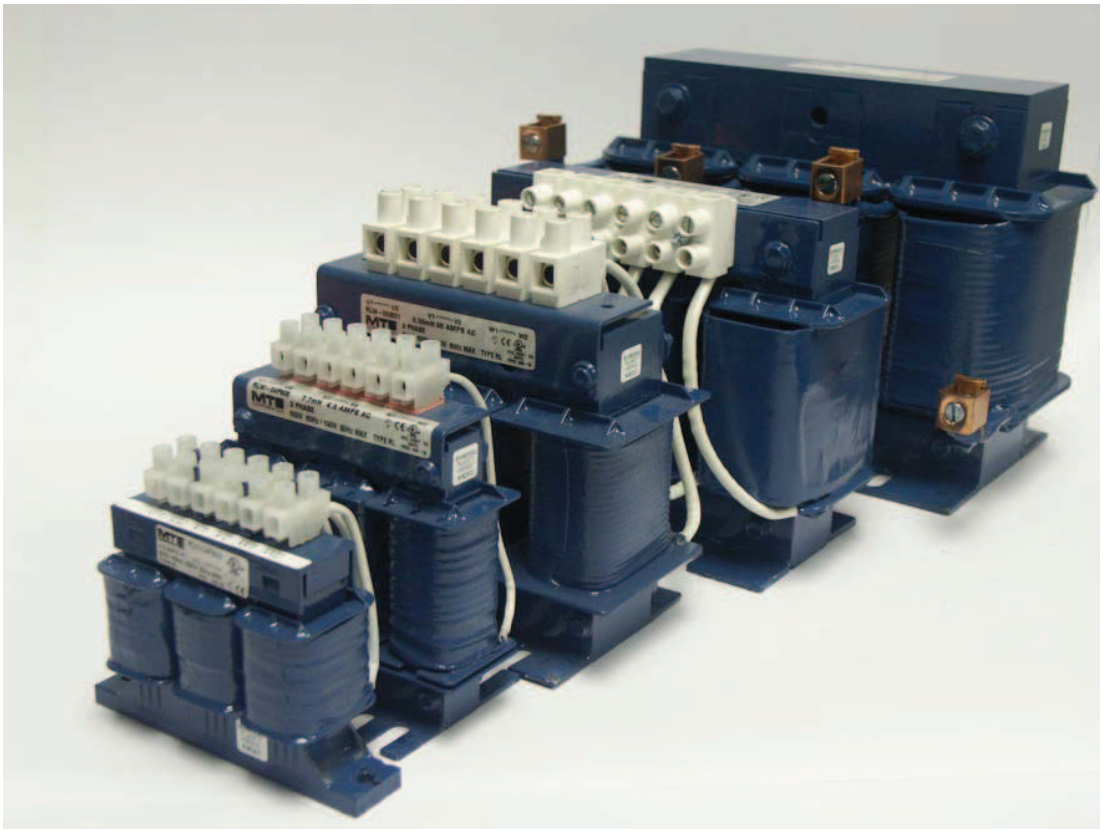


PART NO. INSTR –030
REL. 090529

IMPORTANT USER INFORMATION

NOTICE

MTE Series RLW Line/Load Reactors are components designed to improve the reliability of adjustable frequency drives, DC drives and a wide variety of other types of power electronic equipment. In addition they provide input line current harmonic mitigation and long lead protection for inverter fed motors. MTE reactors are available in a large number of current ratings and a variety of inductance values. The suitability of a line/load reactor for a specific application must therefore be ultimately determined by the customer. In no event will MTE Corporation assume responsibility or liability for any direct or consequential damages resulting from the use or application of reactors. Nor will MTE Corporation assume patent liability with respect to the use of information, circuits or equipment described in this instruction manual.



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1. IMPORTANT SAFETY NFORMATION WARNING

ONLY A QUALIFIED ELECTRICIAN CAN CARRY OUT THE ELECTRICAL INSTALLATION OF LINE/LOAD REACTORS

WARNING

High voltage is used in the operation of line/load reactors. Use Extreme caution to avoid contact with high voltage when operating, installing or repairing equipment containing line/load reactors.

INJURY OR DEATH MAY RESULT IF SAFETY PRECAUTIONS ARE NOT OBSERVED.

Line/load reactors are used in conjunction with inverters, or other electrical equipment that may feedback lethal voltages. Follow the safety instructions in the equipment used with the reactor in addition to the safety instruction in this manual.

WARNING

The opening of the branch circuit protective device may be an indication that a fault current has been interrupted. To reduce the risk of fire or electrical shock, line/load reactors should be examined and replaced if damaged.

WARNING

An upstream disconnect/protection device must be used as required by the National Electrical Code (NEC).

WARNING

Even if the upstream disconnect/protection device is open, a drive or inverter down stream of the line/load reactor may feed back high voltage to the reactor. The inverter or drive safety instructions must be followed. **INJURY OR DEATH MAY RESULT IF THE DRIVE SAFETY PRECAUTIONS ARE NOT OBSERVED.**

WARNING

The frame of line/load reactors must be grounded at least at one of the reactor's mounting holes.

WARNING

Only spare parts obtained from MTE Corporation or an authorized MTE distributor can be used

2. INTRODUCTION

This manual was specifically developed to assist in the installation, interconnection and operation of MTE Corporation Series RLW Line/Load Reactors

This manual is intended for use by personnel experienced in the operation and maintenance of electronic drives, inverters and similar types of power electronic equipment. Because of the high voltages required by the equipment connected to line/load reactors and the potential dangers presented by rotating machinery, it is essential that all personnel involved in the operation and maintenance of line/load reactors know and practice the necessary safety precautions for this type of equipment. Personnel should read and understand the instructions contained in this manual before installing, operating or servicing line/load reactors and the drive to which the reactor is connected.

Upon Receipt of a Reactor:

MTE Line/load Reactors have been subjected to demanding factory tests before shipment. Carefully inspect the shipping container for damage that may have occurred in transit. Then unpack the filter and carefully inspect for any signs of damage. Save the shipping container for future transport of the reactor.

In the event of damage, please contact and file a claim with the freight carrier involved immediately.

If the equipment is not going to be put into service upon receipt, cover and store the reactor in a clean, dry location. After storage, ensure that the equipment is dry and that no condensation has accumulated on the reactor before applying power.

Repair/Exchange Procedure

MTE Corporation requires a Returned Material Authorization Number before it can accept any reactors that qualify for return or repair. If problems or questions arise during installation, setup, or operation of the filter, please call us for assistance at:

Phone: 1-262-253-8200

FAX: 1-262-253-8222

Model Code Part Number Configuration

Model Number Code System: **RLW- _ _ _ _ X X -**

Reactor "W" world

.

Current Rating (i.e. 00P5 is 0.5 Amps)

Mechanical Configurations

0 = Base Mount
1 = NEMA 1
3 = NEMA 3R

Reactor relative impedance no.
1- 6 (1) is lowest value

Options:

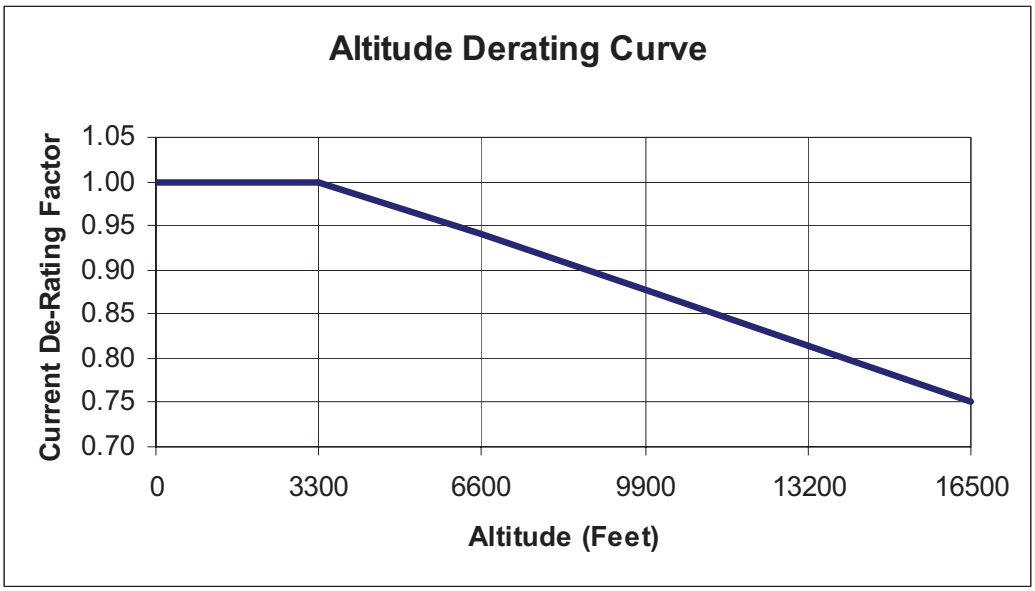
KIT 0038 = DIN Rail Mount
KIT-0039 = RL conversion Plate
KIT-0040 = Vibration Pads

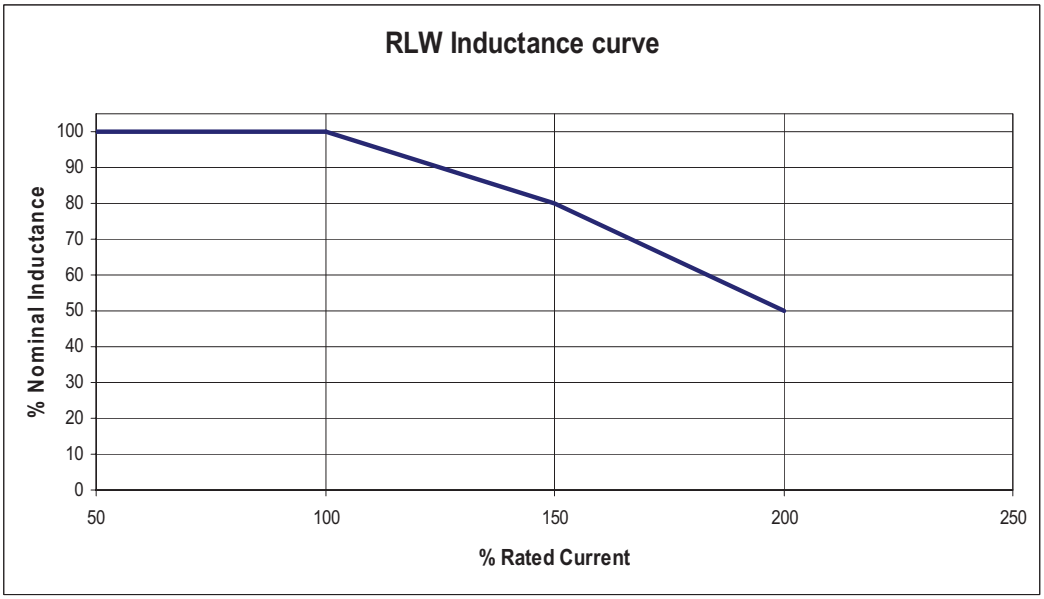
Specification Data

Impedance basis	Calculation: % Z= (I/V) x 2πfL√3 x 100
Service Factor (continuous):	100%
Overload Rating *Line side*	150% of RMS rating for 1 minute 200% of RMS rating for 10 seconds
Maximum system voltage	690 Volts
Switching frequency	Maximum 20 KHz Minimum 1 KHz
Insulation system	200º C
Temperature rise	140 C (average)
Ambient temperature	Full load: -40 to 50º C Open -40 to 45º C Enclosed -40 to 90º C Storage
Altitude (maximum)	1000 meters
Fundamental frequency	50/60 Hz de-rate above 60 Hz
Inductance tolerance	+/- 10%
Inductance curve (typical)	100% at 100% current 80% at 150% current 50% at 200% current
Dielectric Strength	4000 volts RMS (2200 volts peak repetitive)
Max audible level at two meters:	Line applications: 65 dBa Load applications: 76 dBa
Approvals:	CE, UL-508, Type RL cUL per CSA C22.2

Note: Short circuit rating not required under Exception No.1 of UL508A SB4.2.1 effective 4/25/06

Enclosures:	MTECab-8,13V,17V have NEMA1 Cab 12C and up are NEMA1rated as NEMA2 (Indoor rating with ripping water protection) MTE NEMA 3R is a type 3R outdoor rating
DIN Rail Mount:	2 spring steel screw mounts for 35mm rail With 10-32 screws


Altitude Derating Curve
Current De-Rating Factor
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0
3300
6600
9900
13200
16500
Altitude (Feet)


RLW Inductance curve
% Nominal Inductance
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
% Rated Current

Reactor Electrical Data

RMS Amps	Open PN	NEMA 1	NEMA 3R	Inductance mH	Watts Loss
0.5	**RLW-00P501**	RLW-00P511	RLW-00P531	22	2.3
	RLW-00P503	RLW-00P513	RLW-00P533	46	3.6
	RLW-00P505	RLW-00P515	RLW-00P535	74	4.8
	RLW-00P506	RLW-00P516	RLW-00P536	92	5.4
0.75	**RLW-0P7501**	RLW-0P7511	RLW-0P7531	15	4.2
	RLW-0P7503	RLW-0P7513	RLW-0P7533	31	6.6
	RLW-0P7505	RLW-0P7515	RLW-0P7535	49	8.8
	RLW-0P7506	RLW-0P7516	RLW-0P7536	61	10.1
1.1	**RLW-01P101**	RLW-01P111	RLW-01P131	10	4.8
	RLW-01P103	RLW-01P113	RLW-01P133	21	7.8
	RLW-01P105	RLW-01P115	RLW-01P135	33	10.1
	RLW-01P106	RLW-01P116	RLW-01P136	42	11.9
1.6	**RLW-01P601**	RLW-01P611	RLW-01P631	6.9	6.9
	RLW-01P603	RLW-01P613	RLW-01P633	14	10.9
	RLW-01P605	RLW-01P615	RLW-01P635	23	15
	RLW-01P606	RLW-01P616	RLW-01P636	29	17.7
2.1	**RLW-02P101**	RLW-02P111	RLW-02P131	5.3	9
	RLW-02P103	RLW-02P113	RLW-02P133	11	14.3
	RLW-02P105	RLW-02P115	RLW-02P135	18	19.6
	RLW-02P106	RLW-02P116	RLW-02P136	22	22.3
3.4	**RLW-03P401**	RLW-03P411	RLW-03P431	3.2	12.3
	RLW-03P403	RLW-03P413	RLW-03P433	6.8	19.6
	RLW-03P405	RLW-03P415	RLW-03P435	11	26.5
	RLW-03P406	RLW-03P416	RLW-03P436	14	31.5
4.8	**RLW-04P801**	RLW-04P811	RLW-04P831	2.3	13.8
	RLW-04P803	RLW-04P813	RLW-04P833	4.8	23
	RLW-04P805	RLW-04P815	RLW-04P835	7.7	37.5
	RLW-04P806	RLW-04P816	RLW-04P836	10	40.1
7.6	**RLW-07P601**	RLW-07P611	RLW-07P631	1.5	19.2
	RLW-07P603	RLW-07P613	RLW-07P633	3	37.2
	RLW-07P605	RLW-07P615	RLW-07P635	4.8	47.8
	RLW-07P606	RLW-07P616	RLW-07P636	6	53.8
11	**RLW-001101**	RLW-001111	RLW-001131	1	26.8
	RLW-001103	RLW-001113	RLW-001133	2.1	40.9
	RLW-001105	RLW-001115	RLW-001135	3.3	54.4
	RLW-001106	RLW-001116	RLW-001136	4.3	59.1
14	**RLW-001401**	RLW-001411	RLW-001431	0.79	32.7
	RLW-001403	RLW-001413	RLW-001433	1.6	48.2
	RLW-001405	RLW-001415	RLW-001435	2.6	60.6
	RLW-001406	RLW-001416	RLW-001436	3.3	66
21	**RLW-002101**	RLW-002111	RLW-002131	0.53	38.3
	RLW-002103	RLW-002113	RLW-002133	1.1	57.4
	RLW-002105	RLW-002115	RLW-002135	1.8	73.5
	RLW-002106	RLW-002116	RLW-002136	2.2	78
28	**RLW-002801**	RLW-002811	RLW-002831	0.39	48.2
	RLW-002803	RLW-002813	RLW-002833	0.82	66.8
	RLW-002805	RLW-002815	RLW-002835	1.3	93.8
	RLW-002806	RLW-002816	RLW-002836	1.6	110.6

Amps	Open PN	NEMA 1	NEMA 3R	Inductance mH	Watts Loss
35	RLW-003501	RLW-003511	RLW-003531	0.35	68
	RLW-003503	RLW-003513	RLW-003533	0.71	102
	RLW-003505	RLW-003515	RLW-003535	1.2	121
46	RLW-004601	RLW-004611	RLW-004631	0.3	77
	RLW-004603	RLW-004613	RLW-004633	0.55	99
	RLW-004605	RLW-004615	RLW-004635	0.98	179
55	RLW-005501	RLW-005511	RLW-005531	0.27	67
	RLW-005503	RLW-005513	RLW-005533	0.48	109
	RLW-005505	RLW-005515	RLW-005535	0.75	149
65	RLW-006501	RLW-006511	RLW-006531	0.19	87
	RLW-006503	RLW-006513	RLW-006533	0.38	105
	RLW-006505	RLW-006515	RLW-006535	0.64	214
83	RLW-008301	RLW-008311	RLW-008331	0.17	119
	RLW-008303	RLW-008313	RLW-008333	0.29	155
	RLW-008305	RLW-008315	RLW-008335	0.51	191
104	RLW-010401	RLW-010411	RLW-010431	0.12	
	RLW-010403	RLW-010413	RLW-010433	0.23	
	RLW-010405	RLW-010415	RLW-010435	0.375	
130	RLW-013001	RLW-013011	RLW-013031	0.095	
	RLW-013003	RLW-013013	RLW-013033	0.18	
	RLW-013005	RLW-013015	RLW-013035	0.3	
160	RLW-016001	RLW-016011	RLW-016031	0.08	
	RLW-016003	RLW-016013	RLW-016033	0.155	
	RLW-016005	RLW-016015	RLW-016035	0.26	
200	RLW-020001	RLW-020011	RLW-020031	0.06	
	RLW-020003	RLW-020013	RLW-020033	0.115	
	RLW-020005	RLW-020015	RLW-020035	0.195	
250	RLW-025001	RLW-025011	RLW-025031	0.05	
	RLW-025003	RLW-025013	RLW-025033	0.095	
	RLW-025005	RLW-025015	RLW-025035	0.155	
330	RLW-033001	RLW-033011	RLW-033031	0.04	
	RLW-033003	RLW-033013	RLW-033033	0.075	
	RLW-033005	RLW-033015	RLW-033035	0.125	
420	RLW-042001	RLW-042011	RLW-042031	0.03	
	RLW-042003	RLW-042013	RLW-042033	0.06	
	RLW-042005	RLW-042015	RLW-042035	0.105	
502	RLW-050201	RLW-050211	RLW-050231	0.025	
	RLW-050203	RLW-050213	RLW-050233	0.05	
	RLW-050205	RLW-050215	RLW-050235	0.085	
600	RLW-060001	RLW-060011	RLW-060031	0.02	
	RLW-060003	RLW-060013	RLW-060033	0.04	
	RLW-060005	RLW-060015	RLW-060035	0.065	
750	RLW-075001	RLW-075011	RLW-075031	0.015	
	RLW-075003	RLW-075013	RLW-075033	0.03	
	RLW-075005	RLW-075015	RLW-075035	0.05	

Selection & Application Guide

The MTE World reactor (RLW) is an international product that is a low cost line side alternative to the present line of MTE "**RL**" line/ load reactors. RLW's are RMS current rated impedance devices. Selection is based on the choice of inductance correlated to the application motor full load amps, voltage and frequency and the number of phases. Use the selection table based on input voltage and RMS load current to identify corresponding reactor percent impedances. You may also pick from the NEC FLA motor selection table for common voltages. For critical impedance selection based on specific HP or load currents consult MTE applications engineering.

Single phase applications: The RLW like RL reactors may also be sized to protect single phase drives. Please see MTE application **AN0120 for** details

For load side applications reactor current must be de-rated to 70% of the reactors nominal current rating.

Choose the impedance level:

1.5% Minimum impedance for reduction of low level voltage transients. RLW reactors may be used as a supplement to already installed reactors.

3% Helps minimize (95%) most drive nuisance tripping and faults caused by over voltage and input line disturbances.

5% The MTE recommended value to protect drive components from transient over-voltage prevents (99.9%) nuisance trips and offers limited harmonic protection to input line power from drive induced harmonics.

RL Reactor cross to RLW

Amps	RL Part No.	RLW Input PN	RLW Output PN	Amps	RL Part No.	RLW Input PN	RLW Output PN
1	***RL-00101***	RLW-00P506	RLW-01P606	80	***RL-08001***	RLW-008301	RLW-013003
	RL-00102	RLW-01P106	RLW-01P606		***RL-08002***	RLW-008305	RLW-013005
	RL-00103	RLW-01P105	RLW-01P606		***RL-08003***	RLW-008305	RLW-013005
	RL-00104	RLW-01P103	RLW-01P603	100	***RL-10001***	RLW-010401	RLW-016003
2	***RL-00201***	RLW-02P103	RLW-03P405		***RL-10002***	RLW-010403	RLW-016005
	RL-00202	RLW-02P105	RLW-03P406		***RL-10003***	RLW-010405	RLW-016005
	RL-00203	RLW-02P106	RLW-03P406	130	***RL-13001***	RLW-013001	RLW-020003
	RL-00204	RLW-02P101	RLW-03P403		***RL-13002***	RLW-013003	RLW-020005
4	***RL-00401***	RLW-04P801	RLW-07P603		***RL-13003***	RLW-013005	RLW-020005
	RL-00402	RLW-04P805	RLW-07P606	160	***RL-16001***	RLW-016001	RLW-025003
	RL-00403	RLW-04P806	RLW-07P606		***RL-16002***	RLW-016003	RLW-025005
	RL-00404	RLW-04P806	RLW-07P606		***RL-16003***	RLW-016005	RLW-025005
8	***RL-00801***	RLW-07P601	RLW-001403	200	***RL-20001B14***	RLW-020001	RLW-033001
	RL-00802	RLW-07P603	RLW-001406		***RL-20002B14***	RLW-020003	RLW-033005
	RL-00803	RLW-07P605	RLW-001406		***RL-20003B14***	RLW-020005	RLW-033005
	RL-00804	RLW-07P606	RLW-001406	250	***RL-25001B14***	RLW-025001	RLW-042001
12	***RL-01201***	RLW-001101	RLW-002103		***RL-25002B14***	RLW-025003	RLW-042005
	RL-01202	RLW-001103	RLW-002106		***RL-25003B14***	RLW-025005	RLW-042005
	RL-01203	RLW-001106	RLW-002106	320	***RL-32001B14***	RLW-033001	RLW-050203
18	***RL-01801***	RLW-001401	RLW-002803		***RL-32002B14***	RLW-033003	RLW-050205
	RL-01802	RLW-001403	RLW-002806		***RL-32003B14***	RLW-033005	RLW-050205
	RL-01803	RLW-001405	RLW-002806	400	***RL-40001B14***	RLW-042001	RLW-060001
25	***RL-02501***	RLW-002101	RLW-003501		***RL-40002B14***	RLW-042003	RLW-060005
	RL-02502	RLW-002103	RLW-003505		***RL-40003B14***	RLW-042005	RLW-060005
	RL-02503	RLW-002105	RLW-003505	500	***RL-50001B14***	RLW-050201	RLW-075003
35	***RL-03501***	RLW-003501	RLW-005503		***RL-50002***	RLW-050203	RLW-075005
	RL-03502	RLW-003503	RLW-005505		***RL-50003***	RLW-050205	RLW-075005
	RL-03503	RLW-003505	RLW-005505	600	***RL-60001***	RLW-060001	
45	***RL-04501***	RLW-004601	RLW-006503		***RL-60002***	RLW-060003	
	RL-04502	RLW-004603	RLW-006505		***RL-60003***	RLW-060005	
	RL-04503	RLW-004605	RLW-006505	750	***RL-75001***	RLW-075001	
55	***RL-05501***	RLW-005501	RLW-008303		***RL-75002***	RLW-075003	
	RL-05502	RLW-005503	RLW-008305		***RL-75003***	RLW-075005	
	RL-05503	RLW-005505	RLW-008305				

Note:

1. The RLW was designed to support global IEC and NEC input VFD drive motor applications. To gain optimum performance and size advantages use the RLW selections tables by HP and voltage in PB-1101.

2. RLW output selection is based on 70% of fundamental RLW current capacity for output load applications!

* ***Open style reactor,*** other part numbers are **NEMA 1-2** and **3R** enclosed units.

Mechanical Data

Open Panel

RMS Amps	Open Part Number			Dimension in inches					
	Open PN	Wt	Fig	A	B	C	D	E	F
0.5	**RLW-00P501**	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-00P503	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-00P505	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-00P506	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
0.75	**RLW-0P7501**	1.4	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-0P7503	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-0P7505	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-0P7506	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
1.1	**RLW-01P101**	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P103	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P105	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P106	1.7	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
1.6	**RLW-01P601**	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P603	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P605	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-01P606	1.7	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
2.1	**RLW-02P101**	1.5	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-02P103	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-02P105	1.7	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-02P106	1.7	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
3.4	**RLW-03P401**	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-03P403	1.6	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-03P405	2.7	**3**	4.4	5	2.8	2.0	1.4	-
	RLW-03P406	2.8	**3**	4.4	5	2.8	2.0	1.4	-
4.8	**RLW-04P801**	1.7	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-04P803	1.8	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-04P805	2.8	**3**	4.4	5	2.8	2.0	1.4	-
	RLW-04P806	4.0	**3**	4.4	5	3.1	2.1	1.4	-
7.6	**RLW-07P601**	1.8	**1 - 2**	4.5	3.7	1.5	0.0	4.0	-
	RLW-07P603	2.8	**3**	4.4	5	2.8	2.0	1.4	-
	RLW-07P605	4.1	**3**	4.4	5	3.1	2.1	1.4	-
	RLW-07P606	4.2	**3**	4.4	5	3.1	2.1	1.4	-
11	**RLW-001101**	2.7	**3**	4.4	5	2.8	2.0	1.4	-
	RLW-001103	4.2	**3**	4.4	5	3.1	2.1	1.4	-
	RLW-001105	5.3	**3**	4.4	5	3.5	2.6	1.4	-
	RLW-001106	7.1	**3**	6	5.8	2.9	2.1	2.0	-
14	**RLW-001401**	2.8	**3**	4.4	5.3	2.8	2.0	1.4	-
	RLW-001403	4.3	**3**	4.4	5	3.1	2.1	1.4	-
	RLW-001405	7.1	**3**	6	5.8	2.9	2.1	2.0	-
	RLW-001406	9.4	**3**	6	5.8	3.3	2.5	2.0	-
21	**RLW-002101**	4.2	**3**	4.4	5.3	3.3	2.4	1.4	-
	RLW-002103	7.2	**3**	6	6.1	2.9	2.1	2.0	-
	RLW-002105	10.0	**3**	6	6.1	3.3	2.5	2.0	-
	RLW-002106	13.3	**3**	7.2	7	3.8	2.3	3.0	-
28	**RLW-002801**	5.1	**3**	4.4	5.3	3.5	2.6	1.4	-
	RLW-002803	9.5	**3**	6	6.1	3.3	2.5	2.0	-
	RLW-002805	10.4	**3**	6	6.1	3.3	2.3	2.0	-
	RLW-002806	14.3	**3**	7.2	7	3.8	2.3	3.0	-

Open Panel Mechanical cont.

RMS Amps	Open Part Number			Dimension in inches					
	Open PN	Wt	Fig	A	B	C	D	E	F
35	RLW-003501	10	**3**	6.0	6.0	3.5	2.73	2.0	3.0
	RLW-003503	13	**3**	7.2	6.0	3.75	2.25	3.0	-
	RLW-003505	18	**3**	7.2	6.0	4.3	2.75	3.0	-
46	RLW-004601	13	**3**	7.2	6.0	3.75	2.25	3.0	-
	RLW-004603	17	**3**	7.2	6.0	4.3	2.75	3.0	-
	RLW-004605	24	**3**	9	8.3	4.8	3.24	3.0	4.26
55	RLW-005501	18	**3**	7.2	6.0	4.0	2.75	3.0	-
	RLW-005503	20	**3**	7.2	6.0	4.25	2.75	3.0	-
	RLW-005505	26	**3**	9.0	7.0	6.5	3.24	3.0	4.26
65	RLW-006501	18	**3**	7.2	6.0	4.0	4.25	3.0	-
	RLW-006503	22	**3**	7.2	6.0	4.25	2.75	3.0	-
	RLW-006505	26	**3**	9.0	7.0	6.5	3.24	3.0	4.26
83	RLW-008301	19	**3**	7.2	6.0	4.25	2.75	3.0	-
	RLW-008303	26	**3**	9.0	7.0	6.5	3.24	3.0	4.26
	RLW-008305	35	**3**	9.0	7.0	6.75	3.74	3.0	4.26
104	RLW-010401								
	RLW-010403								
	RLW-010405								
130	RLW-013001								
	RLW-013003								
	RLW-013005								
160	RLW-016001								
	RLW-016003								
	RLW-016005								
200	RLW-020001								
	RLW-020003								
	RLW-020005								
200	RLW-025001								
	RLW-025003								
	RLW-025005								
330	RLW-033001								
	RLW-033003								
	RLW-033005								
420	RLW-042001								
	RLW-042003								
	RLW-042005								
502	RLW-050201								
	RLW-050203								
	RLW-050205								
600	RLW-060001								
	RLW-060003								
	RLW-060005								
750	RLW-075001								
	RLW-075003								
	RLW-075005								

Enclosed Reactor Mechanical

RMS Amps	NEMA 1			NEMA 3R		
	Part number	Wt	Fig	Part Number	Wt	Fig
0.5	RLW-00P511	8.5	4	RLW-00P531	76.5	6
	RLW-00P513	8.5	4	RLW-00P533	76.5	6
	RLW-00P515	8.6	4	RLW-00P535	76.6	6
	RLW-00P516	8.6	4	RLW-00P536	76.6	6
0.75	RLW-0P7511	8.4	4	RLW-0P7531	76.4	6
	RLW-0P7513	8.5	4	RLW-0P7533	76.5	6
	RLW-0P7515	8.5	4	RLW-0P7535	76.5	6
	RLW-0P7516	8.6	4	RLW-0P7536	76.6	6
1.1	RLW-01P111	8.5	4	RLW-01P131	76.5	6
	RLW-01P113	8.6	4	RLW-01P133	76.6	6
	RLW-01P115	8.6	4	RLW-01P135	76.6	6
	RLW-01P116	8.7	4	RLW-01P136	76.7	6
1.6	RLW-01P611	8.5	4	RLW-01P631	76.5	6
	RLW-01P613	8.6	4	RLW-01P633	76.6	6
	RLW-01P615	8.6	4	RLW-01P635	76.6	6
	RLW-01P616	8.7	4	RLW-01P636	76.7	6
2.1	RLW-02P111	8.5	4	RLW-02P131	76.5	6
	RLW-02P113	8.6	4	RLW-02P133	76.6	6
	RLW-02P115	8.7	4	RLW-02P135	76.7	6
	RLW-02P116	8.7	4	RLW-02P136	76.7	6
3.4	RLW-03P411	8.6	4	RLW-03P431	76.6	6
	RLW-03P413	8.7	4	RLW-03P433	76.7	6
	RLW-03P415	9.7	4	RLW-03P435	77.7	6
	RLW-03P416	20.8	5	RLW-03P436	77.8	6
4.8	RLW-04P811	8.7	4	RLW-04P831	76.7	6
	RLW-04P813	8.8	4	RLW-04P833	76.8	6
	RLW-04P815	20.7	5	RLW-04P835	77.7	6
	RLW-04P816	22.0	5	RLW-04P836	79.0	6
7.6	RLW-07P611	8.8	4	RLW-07P631	76.8	6
	RLW-07P613	20.7	5	RLW-07P633	77.7	6
	RLW-07P615	22.1	5	RLW-07P635	79.1	6
	RLW-07P616	22.2	5	RLW-07P636	79.2	6
11	RLW-001111	20.7	5	RLW-001131	77.7	6
	RLW-001113	22.2	5	RLW-001133	79.2	6
	RLW-001115	23.2	5	RLW-001135	80.2	6
	RLW-001116	25.1	5	RLW-001136	82.1	6
14	RLW-001411	20.8	5	RLW-001431	77.8	6
	RLW-001413	22.3	5	RLW-001433	79.3	6
	RLW-001415	25.1	5	RLW-001435	82.1	6
	RLW-001416	27.4	5	RLW-001436	84.4	6
21	RLW-002111	22.2	5	RLW-002131	79.2	6
	RLW-002113	25.2	5	RLW-002133	82.2	6
	RLW-002115	28.0	5	RLW-002135	85.0	6
	RLW-002116	31.3	5	RLW-002136	88.3	6
28	RLW-002811	23.1	5	RLW-002831	80.1	6
	RLW-002813	27.5	5	RLW-002833	84.5	6
	RLW-002815	31.7	5	RLW-002835	88.7	6
	RLW-002816	32.3	5	RLW-002836	89.3	6