

## ENGINEERING NOTE

EN-052302-1

## AC LINE REACTOR SELECTION CHART

**HITACHI**

## AC LINE REACTORS

200-230 VOLT / 3 Ph

MODEL NUMBER	RATED HP (3 Ph)	FUND. AMPS	ACTUAL mH	Equiv. %Z
HRL010H	1/4	1.3	12	4.24
HRL005L	1/2	2.0	6	3.26
HRL010L	1	3.6	3	2.94
HRL020L	2	6.8	1.5	2.78
HRL030L	3	9.6	1.25	3.26
HRL050L	5	15.2	0.8	3.31
HRL075L	7.5	22.0	0.5	2.99
HRL110L	10	28.0	0.4	3.05
HRL115L	15	42.0	0.3	3.43
HRL120L	20	54.0	0.25	3.67
HRL130L	25	68.0	0.2	3.7
HRL130L	30	80.0	0.2	4.35
HRL140L	40	104.0	0.15	4.24
HRL150L	50	130.0	0.10	3.54
HRL160L	60	154.0	0.08	3.14
HRL175L	75	192.0	0.06	2.87

## AC LINE REACTORS

200-240 VOLT / 1 Ph

MODEL NUMBER	RATED HP (1 Ph)	FUND. AMPS	ACTUAL mH	Equiv. %Z
HRL010L	1/4	2.9	3	2.85
HRL050H	1/2	4.9	3	4.82
HRL020L	1	8.0	1.5	3.93
HRL030L	2	12.0	1.25	4.92
HRL050L	3	17.0	0.8	4.46

## AC LINE REACTORS

380-480 VOLT / 3 Ph

MODEL NUMBER	RATED HP (3 Ph)	FUND. AMPS	ACTUAL mH	Equiv. %Z
HRL005H	1/2	1.0	20	2.72
HRL010H	1	1.8	12	2.94
HRL030H	2	3.4	6.5	3.01
HRL030H	3	4.8	6.5	4.24
HRL050H	5	7.6	3	3.1
HRL075H	7.5	11.0	2.5	3.74
HRL110H	10	14.0	1.5	2.86
HRL115H	15	21.0	1.2	3.43
HRL120H	20	27.0	0.80	2.94
HRL120H	25	34.0	0.80	3.7
HRL130H	30	40.0	0.70	3.81
HRL140H	40	52.0	0.50	3.54
HRL150H	50	65.0	0.40	3.54
HRL150H	60	77.0	0.40	4.19
HRL175H	75	96.0	0.30	3.92
HRL1100H	100	124.0	0.20	3.37
HRL1125H	125	156.0	0.15	3.18
HRL1150H	150	180.0	0.11	2.69
HRL1200H	200	240.0	0.09	2.94