

Recommended Breaker Sizes

INTUITIVELY ENGINEERED



VARIABLE FREQUENCY DRIVES

1LHX SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230V	1LHX005	5	50 A, 600 V	50 A
	1LHX007	7.5	80 A, 600 V	80 A
	1LHX010	10	100 A, 600 V	100 A
	1LHX015	15	150 A, 600 V	150 A
	1LHX020	20	200 A, 600 V	200 A
Voltage Doubling	1LHX205	5	50 A, 600 V	50 A
	1LHX207	7	70 A, 600 V	70 A
	1LHX210	10	110 A, 600 V	110 A
	1LHX215	15	150 A, 600 V	150 A
	1LHX220	20	200 A, 600 V	200 A
	1LHX230	30	250 A, 600 V	250 A
	1LHX240	40	300 A, 600 V	300 A
	1LHX250	50	400 A, 600 V	400 A
	1LHX260	60	500 A, 600 V	500 A
	1LHX405	5	600 A, 600 V	600 A
460V	1LHX407	7.5	25 A, 600 V	30 A
	1LHX410	10	40 A, 600 V	40 A
	1LHX415	15	50 A, 600 V	50 A
	1LHX420	20	70 A, 600 V	70 A
	1LHX425	25	100 A, 600 V	100 A
	1LHX430	30	125 A, 600 V	125 A
	1LHX440	40	150 A, 600 V	150 A
	1LHX450	50	200 A, 600 V	200 A
	1LHX460	60	250 A, 600 V	250 A
	1LHX475	75	300 A, 600 V	300 A
	1LHX4100	100	350 A, 600 V	350 A
	1LHX4125	125	500 A, 600 V	500 A
	1LHX4150	150	600 A, 600 V	600 A
	1LHX4200	200	800 A, 1000 V	800 A

3LHX SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230V	3LHX005	5	40 A, 600 V	40 A
	3LHX007	7.5	50 A, 600 V	50 A
	3LHX010	10	60 A, 600 V	60 A
	3LHX015	15	100 A, 600 V	100 A
	3LHX020	20	125 A, 600 V	125 A
	3LHX025	25	150 A, 600 V	150 A
	3LHX030	30	200 A, 600 V	200 A
Voltage Doubling	3LHX205	5	40 A, 600 V	40 A
	3LHX207	7	50 A, 600 V	50 A
	3LHX210	10	60 A, 600 V	60 A
	3LHX215	15	100 A, 600 V	100 A
	3LHX220	20	125 A, 600 V	125 A
	3LHX230	30	200 A, 600 V	200 A
	3LHX240	40	250 A, 600 V	250 A
	3LHX250	50	300 A, 600 V	300 A
	3LHX260	60	400 A, 600 V	400 A
	3LHX275	75	450 A, 600 V	450 A
460V	3LHX405	5	20 A, 600 V	20 A
	3LHX407	7.5	25 A, 600 V	25 A
	3LHX410	10	40 A, 600 V	40 A
	3LHX415	15	50 A, 600 V	50 A
	3LHX420	20	60 A, 600 V	60 A
	3LHX425	25	80 A, 600 V	80 A
	3LHX430	30	100 A, 600 V	100 A
	3LHX440	40	125 A, 600 V	125 A
	3LHX450	50	150 A, 600 V	150 A
	3LHX460	60	200 A, 600 V	200 A
	3LHX475	75	225 A, 600 V	225 A
	3LHX4100	100	300 A, 600 V	300 A
	3LHX4125	125	350 A, 600 V	350 A
	3LHX4150	150	400 A, 600 V	400 A
	3LHX4200	200	500 A, 600 V	500 A
	3LHX4250	250	600 A, 600 V	600 A
	3LHX4300	300	900 A, 600 V	900 A
	3LHX4350	350	1000 A, 600 V	1000 A
	3LHX4400	400	1200 A, 600 V	1200 A
	3LHX4500	500	1500 A, 600 V	1500 A



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VARIABLE FREQUENCY DRIVES

AD SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230 V	AD002R	2	50 A, 600 V	25 A
	AD003R	3	70 A, 600 V	40 A
	AD005R	5	100 A, 600 V	60 A
	AD007R	7	175 A, 600 V	100 A
460 V	AD405R	5	50 A, 600 V	50 A
	AD407R	7	70 A, 600 V	40 A
	AD410R	10	100 A, 600 V	60 A

OD SERIES

	Model / Part Number	HP	Rated Current (Input)	Fuse Rating
230 V	OD002R	2	28 A	35 A

DXL SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230V	DXL005	5	20 A, 600 V	20 A
	DXL007	7.5	30 A, 600 V	30 A
	DXL010	10	40 A, 600 V	40 A
	DXL015	15	100 A, 600 V	100 A
	DXL020	20	125 A, 600 V	125 A
	DXL025	25	150 A, 600 V	150 A
	DXL030	30	200 A, 600 V	200 A
460V	DXL405	5	25 A, 600 V	25 A
	DXL407	7.5	25 A, 600 V	25 A
	DXL410	10	40 A, 600 V	40 A
	DXL415	15	50 A, 600 V	50 A
	DXL420	20	60 A, 600 V	60 A
	DXL425	25	80 A, 600 V	80 A
	DXL430	30	100 A, 600 V	100 A
	DXL440	40	125 A, 600 V	125 A
	DXL450	50	150 A, 600 V	150 A
	DXL460	60	175 A, 600 V	175 A
	DXL475	75	225 A, 600 V	225 A
	DXL4100	100	300 A, 600 V	300 A
	DXL4125	125	350 A, 600 V	350 A
	DXL4150	150	400 A, 600 V	400 A
	DXL4200	200	500 A, 600 V	500 A
	DXL4250	250	600 A, 600 V	600 A
	DXL4300	300	700 A, 600 V	700 A
	DXL4350	350	800 A, 600 V	800 A
	DXL4400	400	1000 A, 600 V	1000 A
	DXL4500	500	1200 A, 600 V	1200 A



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CONFIGURED PANELS

1LH SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230V	1LH005	5	50 A, 600 V	50 A
	1LH007	7.5	80 A, 600 V	80 A
	1LH010	10	100 A, 600 V	100 A
	1LH015	15	150 A, 600 V	150 A
	1LH020	20	200 A, 600 V	200 A
Voltage Doubling	1LH205	5	50 A, 600 V	50 A
	1LH207	7.5	70 A, 600 V	70 A
	1LH210	10	110 A, 600 V	110 A
	1LH215	15	150 A, 600 V	150 A
	1LH220	20	200 A, 600 V	200 A
	1LH230	30	250 A, 600 V	250 A
	1LH240	40	300 A, 600 V	300 A
	1LH250	50	400 A, 600 V	400 A
460V	1LH405	5	600 A, 600 V	600 A
	1LH407	7.5	25 A, 600 V	25 A
	1LH410	10	40 A, 600 V	40 A
	1LH415	15	50 A, 600 V	50 A
	1LH420	20	70 A, 600 V	70 A
	1LH425	25	100 A, 600 V	100 A
	1LH430	30	125 A, 600 V	125 A
	1LH440	40	150 A, 600 V	150 A
	1LH450	50	200 A, 600 V	200 A
	1LH460	60	250 A, 600 V	250 A
	1LH475	75	300 A, 600 V	300 A
	1LH4100	100	350 A, 600 V	350 A
	1LH4125	125	500 A, 600 V	500 A
	1LH4150	150	600 A, 1000 V	600 A

3LH SERIES

	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
230V	3LH005	5	40 A, 600 V	40 A
	3LH007	7.5	50 A, 600 V	50 A
	3LH010	10	60 A, 600 V	60 A
	3LH015	15	100 A, 600 V	100 A
	3LH020	20	125 A, 600 V	125 A
	3LH025	25	150 A, 600 V	150 A
	3LH030	30	200 A, 600 V	200 A
Voltage Doubling	3LH205	5	40 A, 600 V	40 A
	3LH207	7.5	50 A, 600 V	50 A
	3LH210	10	60 A, 600 V	60 A
	3LH215	15	100 A, 600 V	100 A
	3LH220	20	125 A, 600 V	125 A
	3LH230	30	200 A, 600 V	200 A
	3LH240	40	250 A, 600 V	250 A
	3LH250	50	300 A, 600 V	300 A
	3LH260	60	400 A, 600 V	400 A
	3LH275	75	450 A, 600 V	450 A
460V	3LH405	5	20 A, 600 V	20 A
	3LH407	7.5	25 A, 600 V	25 A
	3LH410	10	40 A, 600 V	40 A
	3LH415	15	50 A, 600 V	50 A
	3LH420	20	60 A, 600 V	60 A
	3LH425	25	80 A, 600 V	80 A
	3LH430	30	100 A, 600 V	100 A
	3LH440	40	125 A, 600 V	125 A
	3LH450	50	150 A, 600 V	150 A
	3LH460	60	200 A, 600 V	200 A
	3LH475	75	225 A, 600 V	225 A
	3LH4100	100	300 A, 600 V	300 A
	3LH4125	125	350 A, 600 V	350 A
	3LH4150	150	400 A, 600 V	400 A
	3LH4200	200	500 A, 600 V	500 A
	3LH4250	250	600 A, 600 V	600 A
	3LH4300	300	900 A, 600 V	900 A
	3LH4350	350	1000 A, 600 V	1000 A
	3LH4400	400	1200 A, 600 V	1200 A
	3LH4500	500	1500 A, 600 V	1500 A



Recommended Breaker Sizes

INTUITIVELY ENGINEERED



CONFIGURED PANELS

2XD SERIES

2X Voltage	Model / Part Number	HP	Fuse Rating (Recommended)
	2XD205	5	60 A, 600 V
	2XD007	7.5	100 A, 600 V
	2XD010	10	125 A, 600 V
	2XD015	15	175 A, 600 V

SDX SERIES

230V	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
	SDX005	5	25 A, 600 V	25 A
	SDX007	7.5	60 A, 600 V	60 A
	SDX010	10	80 A, 600 V	80 A
	SDX015	15	125 A, 600 V	125 A
460V	SDX405	5	15 A, 600 V	15 A
	SDX407	7.5	20 A, 600 V	20 A
	SDX410	10	40 A, 600 V	40 A
	SDX415	15	60 A, 600 V	60 A
	SDX420	20	80 A, 600 V	80 A
	SDX425	25	100 A, 600 V	100 A
	SDX430	30	125 A, 600 V	125 A
	SDX450	40	175 A, 600 V	175 A
	SDX475	50	250 A, 600 V	250 A

DX SERIES

230V	Model / Part Number	HP	Fuse Rating (Recommended)	Circuit Breaker Rating (Recommended)
	DXL005	5	20 A, 600 V	20 A
	DXL007	7.5	30 A, 600 V	30 A
	DXL010	10	40 A, 600 V	40 A
	DXL015	15	100 A, 600 V	100 A
	DXL020	20	125 A, 600 V	125 A
	DXL025	25	150 A, 600 V	150 A
	DXL030	30	200 A, 600 V	200 A
460V	DXL405	5	25 A, 600 V	25 A
	DXL407	7.5	25 A, 600 V	25 A
	DXL410	10	40 A, 600 V	40 A
	DXL415	15	50 A, 600 V	50 A
	DXL420	20	60 A, 600 V	60 A
	DXL425	25	80 A, 600 V	80 A
	DXL430	30	100 A, 600 V	100 A
	DXL440	40	125 A, 600 V	125 A
	DXL450	50	150 A, 600 V	150 A
	DXL460	60	175 A, 600 V	175 A
	DXL475	75	225 A, 600 V	225 A
	DXL4100	100	300 A, 600 V	300 A
	DXL4125	125	350 A, 600 V	350 A
	DXL4150	150	400 A, 600 V	400 A
	DXL4200	200	500 A, 600 V	500 A
	DXL4250	250	600 A, 600 V	600 A
	DXL4300	300	700 A, 600 V	700 A
	DXL4350	350	800 A, 600 V	800 A
	DXL4400	400	1000 A, 600 V	1000 A
	DXL4500	500	1200 A, 600 V	1200 A



Recommended Breaker Sizes

INTUITIVELY ENGINEERED



DIGITAL PHASE CONVERTERS

PT SERIES

230 V	HP	Circuit Breaker Rating (Recommended)
	5	40 A
	7.5	60 A
	10	80 A
	15	125 A
	20	150 A
	25	175 A
	30	225 A
	40	300 A
	50	400 A
Voltage Doubling	60	500 A
	75	600 A
	7	60 A
	10	80 A
	15	125 A
460 V	20	150 A
	30	200 A
	7	30 A
	10	40 A
	15	60 A
	20	70 A
	30	100 A
	40	150 A
	50	175 A
	60	200 A
	75	250 A
	100	400 A
	125	400 A
	150	400 A
	175	500 A

PTR SERIES

230 V	HP	Circuit Breaker Rating (Recommended)
	3	25 A
	5	40 A
	7	60 A
	10	75 A
	15	125 A
	20	150 A



MOTOR STARTERS

SS SERIES

Model / Part Number	HP	Rated Current (Input)	Fuse Rating
SS040R	30	40 A	35 A
SS080R	60	80 A	200 A
SS130R	100	130 A	325 A
SS250R	200	250 A	600 A
SS400R	350	400 A	1000 A
SS600R	500	600 A	1500 A

MS SERIES

Model / Part Number	HP	Rated Current (Input)	Overload Range
MS005	5	17 A	11 - 17 A
MS007	7.5	26 A	18 - 26 A
MS010	10	32 A	22 - 32 A
MS015	15	50 A	34 - 50 A
MS020	20	63 A	45 - 63 A
MS030	30	85 A	63 - 85 A
MS040	40	125 A	85 - 125 A
MS050	50	150 A	110 - 150 A
230 V			
MS405	5	10 A	6 - 10 A
MS407	7.5	13 A	9 - 13 A
MS410	10	17 A	11 - 17 A
MS415	15	26 A	18 - 26 A
MS420	20	32 A	22 - 32 A
MS430	30	50 A	34 - 50 A
MS440	40	63 A	45 - 63 A
MS450	50	75 A	55 - 75 A
MS460	60	85 A	63 - 85 A
MS475	75	125 A	85 - 125 A
MS4100	100	150 A	110 - 150 A
460 V			

