



REACTOR SELECTION GUIDE

Yaskawa

TCI is proud to introduce the next segment of the Reactor Selection Guide program. Watch for more releases in the coming weeks.

The following selection charts were built to help facilitate the selection of reactors when used on the input of a Yaskawa Drive. The input current ratings were gathered from technical material offered by Yaskawa. The KDR selections were made using the maximum continuous current capacity of each unit. Reactors are current rated devices and should always be sized according to the continuous full load input amperage of the Drive.

For more information on TCI reactors and many other great products, visit us on the web at www.clrwtr.com or contact us at (800) 894-0412.

TCI's mission is to be the leading provider, as defined by our customers, of products and support that increase the value and improve the overall system performance of power inverters.

GPD506/P5

Horse Power	230V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 6%
0.75	20P41F	A003	3.9	KDRA21L	KDRA21H	KLR4BTB	KLR4ATB
1 & 1.5	20P71F	A006	7.2	KDRA23L	KDRA23H	KLR8BTB	KLR8ATB
2	21P51F	A008	9.6	KDRA24L	KDRA24H	KLR12BTB	KLR12ATB
3	22P21F	A011	13.2	KDRB21L	KDRB22H	KLR16BTB	KLR16ATB
5	23P71F	A017	21	KDRD23L	KDRB22H	KLR21BTB	KLR21ATB
7.5 & 10	25P51F	A027	33	KDRD21L	KDRD22H	KLR35BTB	KLR35ATB
15	27P51F	A036	44	KDRD22L	KDRD22H	KLR45BTB	KLR45ATB
20	20111F	A054	65	KDRF21L	KDRF22H	KLR80BTB	KLR80ATB
25	20151F	A068	82	KDRF23L	KDRF23H	KLR110BCB	KLR110ACB
30	20181F	A080	88	KDRF23L	KDRF23H	KLR110BCB	KLR110ACB
40	20221F	A104	115	KDRH21L	KDRF24H	KLR130BCB	KLR130ACB
50	20300F	A130	143	KDRI21L	KDRH21H	KLR160BCB	KLR160ACB
60	20370F	A160	176	KDRI22L	KDRG24H	KLR200BCB	KLR200ACB
75	20450F	A192	212	KDRG21L	KDRG24H	KLR250BCB	KLR250ACB
100	20550F	A248	270	KDRJ21L	KDRG21H	KLR300BCB	KLR300ACB
125	20750F	A312	344	KDRJ21L	KDRG23H	KLR360BCB	KLR360ACB

Horse Power	460V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 5%
0.75	40P41F	B001	2.2	KDRA1L	KDRA1H	KLR3ATB	KLR3CTB
1 & 2	40P71F	B003	4.1	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
3	41P51F	B004	5.8	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
5	43P71F	B008	9.6	KDRA3L	KDRA4H	KLR12ATB	KLR12CTB
7.5	44P01F	B011	13.2	KDRA4L	KDRA5H	KLR16ATB	KLR16CTB
10	45P51F	B014	16.8	KDRB2L	KDRB2H	KLR18ATB	KLR18CTB
15	47P51F	B021	26	KDRB2L	KDRB2H	KLR27ATB	KLR27CTB
20	40111F	B027	33	KDRD1L	KDRC1H	KLR35ATB	KLR35CTB
25	40151F	B034	40	KDRD1L	KDRE2H	KLR45ATB	KLR45CTB
30	40181F	B041	46	KDRD1L	KDRF4H	KLR55ATB	KLR55CTB
40	40221F	B052	58	KDRF2L	KDRF4H	KLR80ATB	KLR80CTB
50	40301F	B065	72	KDRF4L	KDRF1H	KLR80ATB	KLR80CTB
60	40371F	B080	88	KDRF3L	KDRH2H	KLR110ACB	KLR110CCB
75	40451F	B096	106	KDRF3L	KDRH1H	KLR110ACB	KLR110CCB
100	40551F	B128	141	KDRH2L	KDRG3H	KLR160ACB	KLR160CCB
125 & 150	40750F	B180	198	KDRG3L	KDRJ1H	KLR200ACB	KLR200CCB
200	41100F	B240	264	KDRG1L	KDRL1H	KLR300ACB	KLR300CCB
250	41600F	B302	330	KDRG1L	KDRL2H	KLR360ACB	KLR360CCB
300	41850F	B380	456	KDRJ2L	KDRL4H	KLR480ACB	KLR480CCB
350 & 400	42200F	B506	608	KDRL1L	KDRS1H	KLR750ACB	KLR750CCB
500	43000F	B675	810	KDRL4L	KDRL7H	KLR850ACB	KLR850CCB

GPD506/P5

Horse Power	600V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	Model #			KDR Low Z	KDR High Z	KLR 3%	KLR 5%
2 & 3	51P51F		4.3	KDRA43L	KDRB41H	KLR6DTB	KLR6ETB
3	52P21F		5.1	KDRA43L	KDRB41H	KLR6DTB	KLR6ETB
5	53P71F		7.7	KDRA43L	KDRB41H	KLR8DTB	KLR8ETB
7.5 & 10	55P51F		12.1	KDRB42L	KDRE41H	KLR16DTB	KLR16ETB
10	57P51F		15.4	KDRB42L	KDRE41H	KLR16DTB	KLR16ETB
15	50111F		21	KDRB42L	KDRF41H	KLR21DTB	KLR21ETB
20	50151F		28	KDRB42L	KDRF43H	KLR35DTB	KLR35ETB
25	50181F		33	KDRD41L	KDRF43H	KLR35DTB	KLR35ETB
30	50221F		40	KDRD41L	KDRH41H	KLR45DTB	KLR45ETB
40	50301F		51	KDRC41L	KDRG41H	KLR55DTB	KLR55ETB
50	50371F		64	KDRF42L	KDRG42H	KLR80DTB	KLR80ETB
60	50451F		76	KDRF44L	KDRG42H	KLR80DTB	KLR80ETB
75	50551F		95	KDRF43L	KDRL41H	KLR110DCB	KLR110ECB
100	50751F		122	KDRH42L	KDRL42H	KLR130DCB	KLR130ECB
125 & 150	50900F		160	KDRH42L	KDRL43H	KLR160DCB	KLR160ECB
200	51100F		211	KDRG43L	KDRL45H	KLR250DCB	KLR250ECB
200	51600F		246	KDRG41L	KDRL45H	KLR250DCB	KLR250ECB

GPD515/G5

Horse Power	230V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 6%
0.75	20P41F	A003	3.9	KDRA21L	KDRA21H	KLR4BTB	KLR4ATB
1 & 1.5	20P71F	A006	7.2	KDRA23L	KDRA23H	KLR8BTB	KLR8ATB
2	21P51F	A008	9.6	KDRA24L	KDRA24H	KLR12BTB	KLR12ATB
3	22P21F	A011	13.2	KDRB21L	KDRB22H	KLR16BTB	KLR16ATB
5	23P71F	A017	21	KDRD23L	KDRB22H	KLR21BTB	KLR21ATB
7.5	25P51F	A025	30	KDRD21L	KDRB22H	KLR35BTB	KLR35ATB
10	27P51F	A033	40	KDRD22L	KDRD22H	KLR45BTB	KLR45ATB
15	20111F	A049	59	KDRF21L	KDRF22H	KLR80BTB	KLR80ATB
20	20151F	A064	77	KDRF21L	KDRF22H	KLR80BTB	KLR80ATB
25 & 30	20181F	A080	88	KDRF23L	KDRF23H	KLR110BCB	KLR110ACB
30	20221F	A096	106	KDRF23L	KDRF23H	KLR110BCB	KLR110ACB
40 & 50	20300F	A130	143	KDRI21L	KDRH21H	KLR160BCB	KLR160ACB
60	20370F	A160	176	KDRI22L	KDRG24H	KLR200BCB	KLR200ACB
75	20550F	A224	247	KDRG21L	KDRG21H	KLR250BCB	KLR250ACB
100	20750F	A300	330	KDRJ21L	KDRG21H	KLR360BCB	KLR360ACB

GPD515/G5

Horse Power	460V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 5%
0.75	40P41F	B001	2.2	KDRA1L	KDRA1H	KLR3ATB	KLR3CTB
1 & 2	40P71F	B003	4.1	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
3	41P51F	B004	5.8	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
5	43P71F	B008	9.6	KDRA3L	KDRA4H	KLR12ATB	KLR12CTB
7.5	44P01F	B011	13.2	KDRA4L	KDRA5H	KLR16ATB	KLR16CTB
10	45P51F	B014	16.8	KDRB2L	KDRB2H	KLR18ATB	KLR18CTB
15	47P51F	B021	26	KDRB2L	KDRB2H	KLR27ATB	KLR27CTB
20	40111F	B027	33	KDRD1L	KDRC1H	KLR35ATB	KLR35CTB
25	40151F	B034	40	KDRD1L	KDRE2H	KLR45ATB	KLR45CTB
30	40181F	B041	46	KDRD1L	KDRF4H	KLR55ATB	KLR55CTB
40	40221F	B052	58	KDRF2L	KDRF4H	KLR80ATB	KLR80CTB
50	40301F	B065	72	KDRF4L	KDRF1H	KLR80ATB	KLR80CTB
60	40371F	B080	88	KDRF3L	KDRH2H	KLR110ACB	KLR110CCB
75	40451F	B096	106	KDRF3L	KDRH1H	KLR110ACB	KLR110CCB
100	40551F	B128	141	KDRH2L	KDRG3H	KLR160ACB	KLR160CCB
125	40750F	B165	182	KDRH1L	KDRG1H	KLR200ACB	KLR200CCB
150	41100F	B224	247	KDRG1L	KDRL1H	KLR250ACB	KLR250CCB
200 & 250	41600F	B302	330	KDRG1L	KDRL2H	KLR360ACB	KLR360CCB
300	41850F	B380	456	KDRJ2L	KDRL4H	KLR480ACB	KLR480CCB
300 & 350	42200F	B450	540	KDRL1L	KDRL5H	KLR600ACB	KLR600CCB
400 & 500	43000F	B605	726	KDRL3L	KDRS1H	KLR750ACB	KLR750CCB

Horse Power	600V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 5%
2	51P51F	C003	4.3	KDRA43L	KDRB41H	KLR6DTB	KLR6ETB
3	52P21F	C004	5.1	KDRA43L	KDRB41H	KLR6DTB	KLR6ETB
5	53P71F	C006	7.7	KDRA43L	KDRB41H	KLR8DTB	KLR8ETB
7.5	55P51F	C010	12.1	KDRB42L	KDRE41H	KLR16DTB	KLR16ETB
10	57P51F	C012	15.4	KDRB42L	KDRE41H	KLR16DTB	KLR16ETB
15	50111F	C017	21	KDRB42L	KDRF41H	KLR21DTB	KLR21ETB
20	50151F	C022	28	KDRB42L	KDRF43H	KLR35DTB	KLR35ETB
25	50181F	C027	33	KDRD41L	KDRF43H	KLR35DTB	KLR35ETB
30	50221F	C032	40	KDRD41L	KDRH41H	KLR45DTB	KLR45ETB
40	50301F	C041	51	KDRC41L	KDRG41H	KLR55DTB	KLR55ETB
50	50371F	C052	64	KDRF42L	KDRG42H	KLR80DTB	KLR80ETB
60	50451F	C062	76	KDRF44L	KDRG42H	KLR80DTB	KLR80ETB
75	50551F	C077	95	KDRF43L	KDRL41H	KLR110DCB	KLR110ECB
100	50751F	C099	122	KDRH42L	KDRL42H	KLR130DCB	KLR130ECB
125	50900F	C130	160	KDRH42L	KDRL43H	KLR160DCB	KLR160ECB
150	51100F	C172	211	KDRG43L	KDRL45H	KLR250DCB	KLR250ECB
200	51600F	C200	246	KDRG41L	KDRL45H	KLR250DCB	KLR250ECB

V7

Horse Power	230V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 6%
0.125	20P1	A001	1.1	KDRA21L	KDRA21H	KLR2BTB	KLR2ATB
0.25	20P2	A002	1.8	KDRA21L	KDRA21H	KLR2BTB	KLR2ATB
0.5	20P4	A003	3.9	KDRA21L	KDRA21H	KLR4BTB	KLR4ATB
.75 & 1	20P7	A005	6.4	KDRA23L	KDRA23H	KLR8BTB	KLR8ATB
2	21P5	A008	11	KDRA24L	KDRA24H	KLR12BTB	KLR12ATB
3	22P2	A011	15.1	KDRB21L	KDRB22H	KLR16BTB	KLR16ATB
5	23P7	A017	24	KDRD23L	KDRB22H	KLR25BTB	KLR25ATB
7.5	25P5	A025	33	KDRD21L	KDRD22H	KLR35BTB	KLR35ATB
10	27P5	A033	39.6	KDRD22L	KDRD22H	KLR45BTB	KLR45ATB

Horse Power	460V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 5%
0.5	40P2	B001	1.6	KDRA1L	KDRA1H	KLR2ATB	KLR2CTB
0.75	40P4	B002	2.4	KDRA1L	KDRA1H	KLR3ATB	KLR3CTB
1 & 2	40P7	B003	4.7	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
3	41P5	B005	7	KDRA3L	KDRA3H	KLR8ATB	KLR8CTB
3	42P2	-	8.1	KDRA3L	KDRA4H	KLR12ATB	KLR12CTB
5	43P7	B009	12	KDRA4L	KDRA4H	KLR12ATB	KLR12CTB
7.5 & 10	45P5	B015	19.6	KDRB2L	KDRB2H	KLR21ATB	KLR21CTB
10	47P5	B018	23.8	KDRB2L	KDRB2H	KLR25ATB	KLR25CTB
15	47P5	B018	27.8	KDRB2L	KDRC1H	KLR35ATB	KLR35CTB

J7

Horse Power	230V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 6%
0.125	20P10	JDA001	1.1	KDRA21L	KDRA21H	KLR2BTB	KLR2ATB
0.25	20P20	JDA002	1.8	KDRA21L	KDRA21H	KLR2BTB	KLR2ATB
0.5	20P40	JDA003	3.9	KDRA21L	KDRA21H	KLR4BTB	KLR4ATB
1	20P70	JDA005	6.4	KDRA23L	KDRA23H	KLR8BTB	KLR8ATB
2	21P50	JDA008	11	KDRA24L	KDRA24H	KLR12BTB	KLR12ATB
3	22P20	JDA011	15.1	KDRB21L	KDRB22H	KLR16BTB	KLR16ATB
5	23P70	JDA017	24	KDRD23L	KDRB22H	KLR25BTB	KLR25ATB

Horse Power	460V 3PH Cat. No.		Input Current	Recommended	Recommended	Recommended	Recommended
	New Model #	Old Model #		KDR Low Z	KDR High Z	KLR 3%	KLR 5%
0.5	40P20	JDB001	1.6	KDRA1L	KDRA1H	KLR2ATB	KLR2CTB
0.75	40P40	JDB002	2.4	KDRA1L	KDRA1H	KLR3ATB	KLR3CTB
2	40P70	JDB003	4.7	KDRA1L	KDRA2H	KLR6ATB	KLR6CTB
3	41P50	JDB005	7	KDRA3L	KDRA3H	KLR8ATB	KLR8CTB
5	43P70	JDB009	13.5	KDRA4L	KDRA5H	KLR16ATB	KLR16CTB