

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Direct starter	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Direct starter	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Direct starter	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
400	150	Direct starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
400	150	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	70	Direct starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
690	100	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	100	Direct starter	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
400	150	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
500	70	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 30
690	100	Direct starter	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	70	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Direct starter	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Direct starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
500	70	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	70	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 30
690	100	Direct starter	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
400	100	Direct starter	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
500	70	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	70	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 30
690	100	Direct starter	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Direct starter	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	100	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Direct starter	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Direct starter	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Direct starter	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	100	Direct starter	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 30
690	70	Direct starter	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 20
690	100	Direct starter	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Direct starter	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Direct starter	electronic	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Direct starter	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 30
690	50	Direct starter	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
690	50	Direct starter	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 20
690	70	Direct starter	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	100	Direct starter	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	100	Direct starter	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 30
440	100	Direct starter	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
400	150	Direct starter	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
500	50	Direct starter	electronic	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30
400	150	Direct starter	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Direct starter	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
440	150	Direct starter	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	150	Direct starter	electronic	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Direct starter	electronic	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	electronic	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	electronic	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	electronic	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	0,25	0,39528511	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	0,37	0,57215602	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	0,55	0,730208708	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	0,75	1,014229722	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	1,1	1,403112096	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	1,5	1,839257446	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Direct starter	none	2,2	2,558089723	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	3	3,448528749	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	4	4,606835438	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Direct starter	none	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Direct starter	none	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Direct starter	none	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Direct starter	none	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Direct starter	none	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Direct starter	none	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	70	Direct starter	none	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Direct starter	none	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
400	100	Direct starter	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Direct starter	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
500	70	Direct starter	none	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	150	Direct starter	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	100	Direct starter	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	150	Direct starter	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	100	Direct starter	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Direct starter	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Direct starter	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	80	Direct starter	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Direct starter	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Direct starter	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20
400	150	Direct starter	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	80	Direct starter	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20
440	150	Direct starter	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Direct starter	none	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Direct starter	none	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	100	Direct starter	none	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	80	Direct starter	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Direct starter	none	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
440	80	Direct starter	none	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Direct starter	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	80	Direct starter	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Direct starter	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Direct starter	none	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
400	150	Direct starter	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
440	80	Direct starter	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Direct starter	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
500	50	Direct starter	none	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20
400	150	Direct starter	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	80	Direct starter	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
440	150	Direct starter	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
500	50	Direct starter	none	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	80	Direct starter	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Direct starter	none	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	80	Direct starter	none	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	none	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	80	Direct starter	none	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	none	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	none	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Direct starter	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Direct starter	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 20
690	100	Direct starter	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Direct starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 20
690	100	Direct starter	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	70	Direct starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	70	Direct starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	100	Direct starter	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	70	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	70	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
500	70	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	70	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 30
690	100	Direct starter	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	100	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	100	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Direct starter	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	100	Direct starter	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	100	Direct starter	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	100	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Direct starter	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Direct starter	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Direct starter	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	100	Direct starter	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	50	Direct starter	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 30
690	70	Direct starter	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 20
690	100	Direct starter	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Direct starter	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Direct starter	SIMOCODE	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 30
690	50	Direct starter	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Direct starter	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 20
690	70	Direct starter	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Direct starter	SIMOCODE	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
400	150	Direct starter	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
500	50	Direct starter	SIMOCODE	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30
400	150	Direct starter	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
440	150	Direct starter	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
500	50	Direct starter	SIMOCODE	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	150	Direct starter	SIMOCODE	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	150	Direct starter	SIMOCODE	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Direct starter	SIMOCODE	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Direct starter	SIMOCODE	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Direct starter	SIMOCODE	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Direct starter	SIMOCODE	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	0,25	0,39528511	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	0,37	0,57215602	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	0,55	0,730208708	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	0,75	1,014229722	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	1,1	1,403112096	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	1,5	1,839257446	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	2,2	2,558089723	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	3	3,448528749	0,83	0,877	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Direct starter	thermal	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	4	4,606835438	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Direct starter	thermal	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Direct starter	thermal	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Direct starter	thermal	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Direct starter	thermal	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Direct starter	thermal	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Direct starter	thermal	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Direct starter	thermal	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Direct starter	thermal	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Direct starter	thermal	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Direct starter	thermal	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Direct starter	thermal	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Direct starter	thermal	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Direct starter	thermal	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Direct starter	thermal	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	80	Direct starter	thermal	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Direct starter	thermal	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Direct starter	thermal	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Direct starter	thermal	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	80	Direct starter	thermal	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Reversing drive	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Reversing drive	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
400	150	Reversing drive	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
400	150	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	70	Reversing drive	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
690	100	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	100	Reversing drive	electronic	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
400	150	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
500	70	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 30
690	100	Reversing drive	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	70	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	70	Reversing drive	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 30
690	100	Reversing drive	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Reversing drive	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
500	70	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	70	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 30
690	100	Reversing drive	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
400	100	Reversing drive	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
500	70	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	70	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Reversing drive	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	100	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Reversing drive	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Reversing drive	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Reversing drive	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	100	Reversing drive	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 30
690	70	Reversing drive	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 20
690	100	Reversing drive	electronic	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Reversing drive	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Reversing drive	electronic	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Reversing drive	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 30
690	50	Reversing drive	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
690	50	Reversing drive	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 20
690	70	Reversing drive	electronic	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	100	Reversing drive	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	100	Reversing drive	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 30
440	100	Reversing drive	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
400	150	Reversing drive	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
500	50	Reversing drive	electronic	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	150	Reversing drive	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
440	150	Reversing drive	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	150	Reversing drive	electronic	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Reversing drive	electronic	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	electronic	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	electronic	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	electronic	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	0,25	0,39528511	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	0,37	0,57215602	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	0,55	0,730208708	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	0,75	1,014229722	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	1,1	1,403112096	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	1,5	1,839257446	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	100	Reversing drive	none	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	2,2	2,558089723	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	3	3,448528749	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	4	4,606835438	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Reversing drive	none	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Reversing drive	none	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Reversing drive	none	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Reversing drive	none	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Reversing drive	none	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Reversing drive	none	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Reversing drive	none	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Reversing drive	none	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Reversing drive	none	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
400	100	Reversing drive	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Reversing drive	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
500	70	Reversing drive	none	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	150	Reversing drive	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	100	Reversing drive	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	150	Reversing drive	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	100	Reversing drive	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Reversing drive	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Reversing drive	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	80	Reversing drive	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Reversing drive	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Reversing drive	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	150	Reversing drive	none	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30
440	80	Reversing drive	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20
440	150	Reversing drive	none	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Reversing drive	none	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Reversing drive	none	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	100	Reversing drive	none	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	80	Reversing drive	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Reversing drive	none	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
440	80	Reversing drive	none	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Reversing drive	none	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	80	Reversing drive	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Reversing drive	none	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Reversing drive	none	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
400	150	Reversing drive	none	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
440	80	Reversing drive	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Reversing drive	none	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
500	50	Reversing drive	none	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	150	Reversing drive	none	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30
440	80	Reversing drive	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
440	150	Reversing drive	none	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
500	50	Reversing drive	none	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	80	Reversing drive	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Reversing drive	none	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	80	Reversing drive	none	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	none	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	80	Reversing drive	none	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	none	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	none	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Reversing drive	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 20

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	100	Reversing drive	SIMOCODE	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 20
690	100	Reversing drive	SIMOCODE	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Reversing drive	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 20
690	100	Reversing drive	SIMOCODE	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	70	Reversing drive	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	70	Reversing drive	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 20
690	100	Reversing drive	SIMOCODE	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 30

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	100	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	70	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	70	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	70	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	100	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 30
500	70	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	70	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	100	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	100	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 20
500	50	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	70	Reversing drive	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 30
690	100	Reversing drive	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	30	31,92687426	0,84	0,936	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 20
400	100	Reversing drive	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 20
440	100	Reversing drive	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	100	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	37	52,90625841	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 10
690	100	Reversing drive	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	37	38,33786842	0,86	0,939	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 30
400	100	Reversing drive	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 30
440	100	Reversing drive	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	100	Reversing drive	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 20
500	50	Reversing drive	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	45	64,14052761	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 30
690	70	Reversing drive	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 20
690	100	Reversing drive	SIMOCODE	45	46,4786432	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
440	150	Reversing drive	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
500	100	Reversing drive	SIMOCODE	55	77,16523245	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 30
690	50	Reversing drive	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
690	70	Reversing drive	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 20
690	70	Reversing drive	SIMOCODE	55	55,91683511	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 20
500	50	Reversing drive	SIMOCODE	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 20
400	150	Reversing drive	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 30
500	50	Reversing drive	SIMOCODE	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 30
400	150	Reversing drive	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 30
440	150	Reversing drive	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 20
500	50	Reversing drive	SIMOCODE	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
400	150	Reversing drive	SIMOCODE	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 20
440	150	Reversing drive	SIMOCODE	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 20
500	50	Reversing drive	SIMOCODE	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10
400	150	Reversing drive	SIMOCODE	250	442,2106841	0,85	0,96	fuseless	Type 2	50	Class 10
440	150	Reversing drive	SIMOCODE	250	402,0097128	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
500	50	Reversing drive	SIMOCODE	355	496,5100425	0,86	0,96	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	0,25	0,681866815	0,72	0,735	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	0,25	0,619878922	0,72	0,735	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	0,25	0,545493452	0,72	0,735	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	0,25	0,39528511	0,72	0,735	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	0,37	0,986969135	0,7	0,773	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	0,37	0,897244668	0,7	0,773	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	0,37	0,789575308	0,7	0,773	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	0,37	0,57215602	0,7	0,773	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	0,55	1,259610022	0,78	0,808	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	0,55	1,14510002	0,78	0,808	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	0,55	1,007688017	0,78	0,808	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	0,55	0,730208708	0,78	0,808	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	0,75	1,74954627	0,75	0,825	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	0,75	1,590496609	0,75	0,825	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	0,75	1,399637016	0,75	0,825	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	0,75	1,014229722	0,75	0,825	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	1,1	2,420368365	0,78	0,841	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	1,1	2,200334878	0,78	0,841	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	1,1	1,936294692	0,78	0,841	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	1,1	1,403112096	0,78	0,841	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	1,5	3,172719094	0,8	0,853	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	1,5	2,884290085	0,8	0,853	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	1,5	2,538175275	0,8	0,853	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	1,5	1,839257446	0,8	0,853	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	2,2	4,412704771	0,83	0,867	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	2,2	4,011549792	0,83	0,867	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	2,2	3,530163817	0,83	0,867	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	2,2	2,558089723	0,83	0,867	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	3	5,948712092	0,83	0,877	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	3	5,407920084	0,83	0,877	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	3	4,758969674	0,83	0,877	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
690	100	Reversing drive	thermal	3	3,448528749	0,83	0,877	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	4	7,94679113	0,82	0,886	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	4	7,224355573	0,82	0,886	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	4	6,357432904	0,82	0,886	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	4	4,606835438	0,82	0,886	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	5,5	6,114566543	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	7,5	8,264257275	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
690	70	Reversing drive	thermal	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	11	11,98829677	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
400	150	Reversing drive	thermal	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
440	150	Reversing drive	thermal	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
690	70	Reversing drive	thermal	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	15	16,61912133	0,82	0,921	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Reversing drive	thermal	18,5	35,16626712	0,82	0,926	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
440	150	Reversing drive	thermal	18,5	31,96933375	0,82	0,926	fuseless	Type 2	50	Class 10
500	100	Reversing drive	thermal	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
500	70	Reversing drive	thermal	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
690	70	Reversing drive	thermal	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	18,5	20,38624181	0,82	0,926	fuseless	Type 2	50	Class 10
400	100	Reversing drive	thermal	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Reversing drive	thermal	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	100	Reversing drive	thermal	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Reversing drive	thermal	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
500	70	Reversing drive	thermal	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
500	80	Reversing drive	thermal	22	32,91023688	0,83	0,93	fuseless	Type 2	50	Class 10
690	70	Reversing drive	thermal	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10
690	100	Reversing drive	thermal	22	23,84799774	0,83	0,93	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	70	Reversing drive	thermal	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
500	80	Reversing drive	thermal	30	44,05908648	0,84	0,936	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	electronic	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	electronic	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	electronic	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	electronic	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	electronic	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	electronic	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	electronic	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	electronic	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	electronic	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	electronic	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	electronic	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	electronic	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	electronic	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	50	Star-delta starter	electronic	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	electronic	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	SIMOCODE	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	SIMOCODE	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	SIMOCODE	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	SIMOCODE	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	SIMOCODE	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	SIMOCODE	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	SIMOCODE	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	SIMOCODE	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	SIMOCODE	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	SIMOCODE	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	SIMOCODE	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	22	41,13779609	0,83	0,93	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	22	37,39799645	0,83	0,93	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	30	55,0738581	0,84	0,936	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	30	50,06714372	0,84	0,936	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	37	66,13282302	0,86	0,939	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	37	60,1207482	0,86	0,939	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	45	80,17565951	0,86	0,942	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	45	72,88696319	0,86	0,942	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	55	96,45654056	0,87	0,946	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	55	87,68776415	0,87	0,946	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	75	132,5008268	0,86	0,95	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	75	120,4552971	0,86	0,95	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	75	106,0006614	0,86	0,95	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	90	156,8431983	0,87	0,952	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	90	142,5847257	0,87	0,952	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	90	125,4745586	0,87	0,952	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	110	191,2953614	0,87	0,954	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	110	173,904874	0,87	0,954	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	110	153,0362891	0,87	0,954	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	132	229,0741942	0,87	0,956	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	132	208,2492675	0,87	0,956	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	132	183,2593554	0,87	0,956	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	160	277,0860121	0,87	0,958	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	160	251,8963747	0,87	0,958	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	160	221,6688097	0,87	0,958	fuseless	Type 2	50	Class 10
400	150	Star-delta starter	SIMOCODE	200	341,7082559	0,88	0,96	fuseless	Type 2	50	Class 10
440	150	Star-delta starter	SIMOCODE	200	310,643869	0,88	0,96	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	200	273,3666047	0,88	0,96	fuseless	Type 2	50	Class 10

50 Hz fuseless

Un	Iq	Starter type	Overload relay	Pn	In	cosphi	eta	Basic type	Coordination Typee	Frequency	Motor starter class
500	50	Star-delta starter	SIMOCODE	250	353,7685473	0,85	0,96	fuseless	Type 2	50	Class 10
500	50	Star-delta starter	SIMOCODE	315	456,4892942	0,83	0,96	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	thermal	5,5	10,54762729	0,84	0,896	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	thermal	5,5	9,588752079	0,84	0,896	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	thermal	5,5	8,43810183	0,84	0,896	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	thermal	7,5	14,2558438	0,84	0,904	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	thermal	7,5	12,959858	0,84	0,904	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	thermal	7,5	11,40467504	0,84	0,904	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	thermal	11	20,67981192	0,84	0,914	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	thermal	11	18,79982902	0,84	0,914	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	thermal	11	16,54384954	0,84	0,914	fuseless	Type 2	50	Class 10
400	100	Star-delta starter	thermal	15	28,66798429	0,82	0,921	fuseless	Type 2	50	Class 10
440	100	Star-delta starter	thermal	15	26,0618039	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	thermal	15	22,93438743	0,82	0,921	fuseless	Type 2	50	Class 10
500	100	Star-delta starter	thermal	18,5	28,1330137	0,82	0,926	fuseless	Type 2	50	Class 10