

Interim solution Flameproof IE4 motors

Energy efficiency and Safety Combined



Introducing ABB IE4 Interim Solution Flameproof Motors: Efficiency and Safety Combined. ABB low voltage flameproof motors are a safe choice for potentially explosive atmospheres. Our flameproof motors save energy and cut emissions while keeping your people and equipment safe in hazardous areas.

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Technical data in
pages 3-6.

Introduction

ABB low voltage flameproof motors are a safe choice for potentially explosive atmospheres. Our flameproof motors are designed to withstand the pressure caused by an internal explosion without incurring any damage as well as prevent flame propagation outside of the enclosure.

Flameproof motors are based on reliable designs and provide high productivity in demanding conditions. They are designed to operate reliably in harsh environments such as in extreme temperatures, corrosive dust and humidity.

Super premium efficiency with IE4

Improving energy efficiency is the most effective way to cut CO2 emissions. IE4 motors with super premium efficiency make it easy to save energy and cut emissions. Lower energy usage costs lower the total cost of ownership.

Certified safety

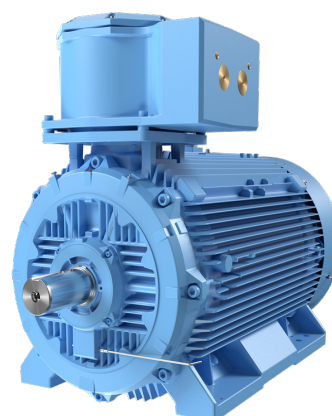
ABB flameproof motors are certified for gas groups IIB and IIC and meet all relevant international standards, including IEC, European (EN) and ATEX and the most important specifications for the oil, gas and chemical industries.

Key features

- Safe choice for potentially explosive atmospheres
- Ex db with both flameproof cast iron frame and terminal box
- Ex db eb with flameproof cast iron frame and increased safety terminal box
- Certified for gas groups IIB and IIC
- Temperature class T4, optional T5, T6

Motor scope Interim solution IE4 motors

M3JP/KP K-generation	
Frame sizes	160-450
Poles	2-6, with some limitations
Stamping rows on frame sizes 160-250	690V/400V/415V/50Hz and 460V/60Hz
Stamping rows on frame sizes 280-450	690V/400V/415V/50Hz



Technical data for Ex db IIB/IIC T4 Gb

Flameproof IE4 cast iron motors

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014				Power factor Cos(φ)	Current		Torque			Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%	I _N A		I _s /I _N	T _N Nm	T _v /T _N	T _b /T _N				
				400 V 50 Hz												
3000 r/min = 2 poles																
11	M3JP 160MLA 2	3GJP161410-K	2953	92.6	92.9	92.4	0.88	19.5	8.3	35.6	3.3	4.1	0.0514	232	69	
15	M3JP 160MLB 2	3GJP161420-K	2955	93.3	93.5	93	0.88	26.4	9	48.5	3.8	4.4	0.0612	243	69	
18,5	M3JP 160MLC 2	3GJP161430-K	2943	93.7	94.4	94.5	0.9	31.6	8.6	60.7	3.3	4	0.079	267	67	
22	M3JP 180MLA 2	3GJP181410-K	2960	94	94.3	94.1	0.88	38.1	8.5	71.5	2.7	3.5	0.126	307	67	
30	M3JP 200MLB 2	3GJP201420-K	2960	94.5	95.1	94.9	0.9	50.3	7.7	96.8	2.6	3.3	0.217	370	72	
37	M3JP 200MLB 2	3GJP201420-K	2955	94.8	95.5	95.4	0.89	63.4	7.5	121	2.7	3.7	0.217	370	72	
45	M3JP 225SMA 2	3GJP221210-K	2971	95	95.2	94.5	0.88	77.3	8	145	3.4	3.6	0.323	457	74	
55	M3JP 250SMA 2	3GJP251210-K	2975	95.3	95.6	95.6	0.87	92.6	8	177	2.8	3.3	0.579	509	75	
75	M3JP 280SMB 2	3GJP281220-K	2980	95.6	95.5	94.9	0.87	129	7.3	240	2.5	2.9	0.9	766	77	
90	M3JP 315SMB 2	3GJP311220-K	2981	95.8	95.6	95	0.88	153	8	288	3	3.1	1.15	1041	77	
110	M3JP 315SMB 2	3GJP311220-K	2982	96	95.9	95.2	0.87	189	6.7	352	1,9	2.6	1.4	1041	77	
132	M3JP 315SMC 2	3GJP311230-K	2986	96.2	96.3	95.9	0.87	226	7.9	422	2,4	3	1.7	1116	77	
160	M3JP 315MLA 2	3GJP311410-K	2983	96.3	96.5	96.2	0.89	268	7.3	512	2.2	2.7	2.1	1286	77	
200	M3JP 355SMA 2	3GJP351210-K	2985	96.5	96.2	95.4	0.89	337	7.6	640	2	3.1	3	1781	83	
250	M3JP 355SMB 2	3GJP351220-K	2983	96.5	96.6	96.2	0.89	415	7.6	800	2.2	3	3.4	1878	83	
315	M3JP 355SMC 2	3GJP351230-K	2984	96.5	96.5	95.9	0.88	533	7.8	1008	2.3	2.8	3.6	1953	83	
355	M3JP 355MLA 2	3GJP351410-K	2981	96.5	96.7	96.3	0.89	595	7.5	1137	2.3	2.6	4.1	2188	83	
400	M3JP 355MLB 2	3GJP351420-K	2982	96.5	96.2	95.6	0.88	677	7.1	1280	2.3	2.8	4.1	2190	83	
450	M3JP 355MLC 2	3GJP351430-K	2983	96.5	96.5	95.7	0.9	743	7,9	1440	2.2	2.9	4.3	2270	83	
500	M3JP 355LKA 2	3GJP351810-K	2982	96.5	96.4	96	0.9	827	7.5	1601	2	3.9	4.8	2510	83	
560	M3JP 400LA 2	3GJP401510-K	2988	96.5	96.5	95.8	0.89	934	7.8	1789	2.5	3.7	7.9	3230	82	
630	M3JP 400LB 2	3GJP401520-K	2987	96.5	96.2	95.6	0.9	1049	7.6	2014	2.6	3.7	8.2	3330	82	
710	M3JP 400LC 2	3GJP401530-K	2987	96.5	96.3	95.7	0.9	1178	7.2	2270	2.6	3.4	9.3	3580	82	
1500 r/min = 4 poles				400V 50 Hz												
11	M3JP 160MLA 4	3GJP162410-K	1477	93.3	93.4	92.9	0.79	21.6	7.6	71.1	2.7	3.7	0.123	246	62	
15	M3JP 160MLB 4	3GJP162420-K	1478	93.9	94.1	93.2	0.76	30.3	8.3	98	3.5	3.9	0.127	261	62	
18,5	M3JP 180MLA 4	3GJP182410-K	1482	94.2	94.2	93.5	0.83	34.2	8.6	121	3	3.8	0.191	300	62	
22	M3JP 200MLA 4	3GJP202410-K	1486	94.5	95.1	95	0.83	39.3	8.5	141	2.8	3.5	0.366	367	63	
30	M3JP 225SMA 4	3GJP222210-K	1484	94.9	95.3	95.1	0.84	53	7.5	193	2.7	3.2	0.536	448	66	
37	M3JP 225SMA 4	3GJP222210-K	1480	95.2	95.7	95.6	0.84	66.8	7.5	239	3.1	3.2	0.536	448	66	
45	M3JP 250SMA 4	3GJP252210-K	1484	95.4	95.5	95	0.85	79.4	8.1	290	3.1	3.3	0.933	494	67	
55	M3JP 250SMA 4	3GJP252210-K	1483	95.7	95.8	95.4	0.83	100	7.8	354	3.3	3.6	0.933	494	67	
75	M3JP 280SMC 4	3GJP282230-K	1487	96	96.3	96	0.85	130	7.8	481	2.8	2.9	1.85	827	72	
90	M3JP 280SMC 4	3GJP282230-K	1487	96.1	96.3	95.9	0.84	161	7.9	578	2.9	3	1.85	827	72	
110	M3JP 315SMC 4	3GJP312230-K	1491	96.3	96.5	96.1	0.84	194	7.8	704	2.4	3.1	2.9	1093	68	
132	M3JP 315SMD 4	3GJP312240-K	1490	96.4	96.6	96.2	0.84	234	7.9	846	2.6	3.2	3.2	1149	68	
160	M3JP 315MLB 4	3GJP312420-K	1490	96.6	96.8	96.4	0.86	278	7.9	1026	2.7	3	3.9	1308	68	
200	M3JP 355SMA 4	3GJP352210-K	1491	96.7	96.8	96.4	0.86	345	7.3	1282	2.1	2.7	5.9	1794	74	
250	M3JP 355SMB 4	3GJP352220-K	1491	96.7	96.8	96.5	0.86	433	7.8	1601	2.5	2.9	6.9	1950	74	
315	M3JP 355SMC 4	3GJP352230-K	1490	96.7	96.7	96.5	0.85	554	7.4	2017	2.8	2.9	7.2	1998	74	
355	M3JP 355MLA 4	3GJP352410-K	1491	96.7	96.9	96.5	0.86	616	7.9	2274	2.7	2.9	8.4	2333	78	
400	M3JP 355MLB 4	3GJP352420-K	1490	96.7	96.7	96.3	0.85	700	6.8	2563	2.1	2.8	8.4	2330	78	
450	M3JP 355MLC 4	3GJP352430-K	1489	96.7	96.8	96.6	0.86	779	6.8	2886	2.4	2.8	8.4	2330	78	
500	M3JP 355LKA 4	3GJP352810-K	1490	96.7	96.7	96.1	0.86	865	6.8	3204	2	3	10	2690	78	
560	M3JP 400LA 4	3GJP402510-K	1491	96.7	96.7	96.2	0.85	982	7.4	3586	2.4	2.8	15	3200	78	
630	M3JP 400LB 4	3GJP402520-K	1491	96.7	96.7	96.1	0.86	1077	7.6	4034	2.2	2.9	16	3580	78	
710	M3JP 400LC 4	3GJP402530-K	1491	96.7	96.7	96.2	0.84	1227	7.6	4547	2.4	3	17	3680	78	

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014				Current		Torque		Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB	
				Full load 100%	3/4 load 75%	1/2 load 50%	Power factor Cosφ	I _N A	I _s /I _N	T _N Nm	T _i /T _N				T _b /T _N
1000 r/min = 6 poles				400 V 50 Hz											
7,5	M3JP 160MLA 6	3GJP163410-K	984	91.3	91	89.4	0.75	15.8	7.1	72.8	1.8	3.6	0.133	243	59
11	M3JP 180MLA 6	3GJP183410-K	982	92.3	92.4	91.3	0.75	21.5	5.5	107	1.4	2.7	0.225	296	59
15	M3JP 200MLA 6	3GJP203410-K	991	92.9	93.1	92.3	0.8	27.8	8	145	2.5	3.6	0.531	340	63
18,5	M3JP 200MLA 6	3GJP203410-K	991	93.4	93.7	93.1	0.82	34.5	8.1	178	2.4	3.6	0.531	340	63
30	M3JP 225SMA 6	3GJP223210-K	988	94.2	94.5	94	0.78	59.2	7.3	290	3	3.4	0.813	440	63
37	M3JP 250SMA 6	3GJP253210-K	992	94.5	94.9	94.8	0.76	74	8.6	357	3.7	3.7	1.49	529	63
45	M3JP 280SMB 6	3GJP283220-K	992	94.8	95.1	94.6	0.84	80.9	7.5	434	2.4	2.6	2.2	777	65
55	M3JP 280SMC 6	3GJP283230-K	990	95.1	95.4	95.1	0.84	99.4	6.8	506	2.4	2.6	2.85	817	65
75	M3JP 315SMC 6	3GJP313230-K	994	95.4	95.6	95.2	0.82	138	7	721	2.2	2.8	4.9	1089	67
90	M3JP 315SMD 6	3GJP313240-K	994	95.6	95.8	95.5	0.8	170	7.2	864	2.4	2.9	4.9	1123	67
110	M3JP 315MLB 6	3GJP313420-K	994	95.8	96	95.7	0.82	202	6.9	1057	2.3	2.7	6.3	1288	68
132	M3JP 315LKA 6	3GJP313810-K	993	96	96.2	96	0.81	243	6.9	1269	2.4	2.7	7.3	1490	68
160	M3JP 355SMB 6	3GJP353220-K	995	96.2	96.2	95.7	0.81	294	7	1536	2.1	2.7	9.7	1778	73
200	M3JP 355SMC 6	3GJP353230-K	995	96.3	96.4	96.1	0.81	367	7.3	1920	2.3	2.8	11.3	1921	73
250	M3JP 355MLB 6	3GJP353420-K	995	96.5	96.7	96.6	0.82	456	7.1	2399	2.3	2.7	13.5	2345	73
315	M3JP 355LKA 6	3GJP353810-K	994	96.6	96.7	96.5	0.82	576	6.9	3026	2.3	2.8	15.5	2670	76
400	M3JP 400LA 6	3GJP403510-K	994	96.6	96.7	96.2	0.8	747	7.5	3843	2.8	3.1	17	3180	76
450	M3JP 400LB 6	3GJP403520-K	995	96.6	96.5	95.6	0.81	830	8.3	4319	3.4	3.6	22	3430	76
500	M3JP 400LC 6	3GJP403530-K	995	96.6	96.5	95.9	0.82	911	7.8	4799	3.2	3.4	22	3580	76
560	M3JP 400LD 6	3GJP403540-K	993	96.6	96.6	96	0.86	984	7.4	5386	2.4	2.8	24	3680	77
610	M3JP 450LA 6	3GJP453510-K	994	96.6	96.6	96.1	0.83	1098	7.1	5860	1.4	2.9	31	4320	81

Technical data for Ex db eb IIB/IIC T4 Gb

Flameproof IE4 cast iron motors

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014				Current		Torque		Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB	
				Full load 100%	3/4 load 75%	1/2 load 50%	Power factor Cosφ	I _N A	I _s /I _N	T _N Nm	T _I /T _N				T _B /T _N
3000 r/min = 2 poles				400 V 50 Hz											
11	M3KP 160MLA 2	3GKP161410-K	2953	92.6	92.9	92.4	0.88	19.5	8.3	35.6	3.3	4.1	0.0514	219	69
15	M3KP 160MLB 2	3GKP161420-K	2955	93.3	93.5	93	0.88	26.4	9	48.5	3.78	4.4	0.0612	226	69
18,5	M3KP 160MLC 2	3GKP161430-K	2943	93.7	94.4	94.5	0.9	31.6	8.6	60.7	3.3	4	0.079	250	67
22	M3KP 180MLA 2	3GKP181410-K	2960	94	94.3	94.1	0.88	38.1	8.5	71.5	2.7	3.5	0.126	301	67
30	M3KP 200MLB 2	3GKP201420-K	2960	94.5	95.1	94.9	0.9	50.3	7.7	97	2.6	3.3	0.217	350	72
37	M3KP 200MLB 2	3GKP201420-K	2955	94.8	95.5	95.4	0.89	63.4	7.5	121	2.7	3.7	0.217	350	72
45	M3KP 225SMA 2	3GKP221210-K	2971	95	95.2	94.5	0.88	77.3	8	145	3.4	3.6	0.323	457	74
55	M3KP 250SMA 2	3GKP251210-K	2975	95.3	95.6	95.6	0.87	92.6	8	177	2.8	3.3	0.579	509	75
75	M3KP 280SMB 2	3GKP281220-K	2980	95.6	95.5	94.9	0.87	129	7.3	240	2.5	2.9	0.9	686	77
90	M3KP 315SMB 2	3GKP311220-K	2981	95.8	95.6	95	0.88	153	8	288	3	3.1	1.15	961	77
110	M3KP 315SMB 2	3GKP311220-K	2982	96	95.9	95.2	0.87	189	6.7	352	1.9	2.6	1.4	961	77
132	M3KP 315SMC 2	3GKP311230-K	2986	96.2	96.3	95.9	0.87	226	7.9	422	2.4	3	1.7	1036	77
160	M3KP 315MLA 2	3GKP311410-K	2983	96.3	96.5	96.2	0.89	268	7.3	512	2.2	2.7	2.1	1206	77
200	M3KP 355SMA 2	3GKP351210-K	2985	96.5	96.2	95.4	0.89	337	7.6	640	2	3.1	3	1621	83
250	M3KP 355SMB 2	3GKP351220-K	2983	96.5	96.6	96.2	0.89	415	7.6	800	2.2	3	3.4	1718	83
315	M3KP 355SMC 2	3GKP351230-K	2984	96.5	96.5	95.9	0.88	533	7.8	1008	2.3	2.8	3.6	1793	83
355	M3KP 355MLA 2	3GKP351410-K	2981	96.5	96.7	96.3	0.89	595	7.5	1137	2.3	2.6	4.1	2028	83
400	M3KP 355MLB 2	3GKP351420-K	2982	96.5	96.2	95.6	0.88	677	7.1	1280	2.3	2.8	4.1	2030	83
450	M3KP 355MLC 2	3GKP351430-K	2983	96.5	96.5	95.7	0.9	743	7.9	1440	2.2	2.9	4.3	2110	83
500	M3KP 355LKA 2	3GKP351810-K	2982	96.5	96.4	96	0.9	827	7.5	1601	2	3.9	4.8	2350	83
560	M3KP 400LA 2	3GKP401510-K	2988	96.5	96.5	95.8	0.89	934	7.8	1789	2.5	3.7	7.9	3070	82
630	M3KP 400LB 2	3GKP401520-K	2987	96.5	96.2	95.6	0.9	1049	7.6	2014	2.6	3.7	8.2	3170	82
710	M3KP 400LC 2	3GKP401530-K	2987	96.5	96.3	95.7	0.9	1178	7.2	2270	2.6	3.4	9.3	3420	82

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014			Power factor Cos(φ)	Current		Torque		Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB	
				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _s /I _N	T _N Nm	T _i /T _N				T _b /T _N
1500 r/min = 4 poles			400V 50 Hz												
11	M3KP 160MLA 4	3GKP162410-K	1477	93.3	93.4	92.9	0.79	21.6	7.6	71	3.4	3.7	0.123	234	62
15	M3KP 160MLB 4	3GKP162420-K	1478	93.9	94.1	93.2	0.76	30.3	8.3	98	3.5	3.9	0.127	253	62
18,5	M3KP 180MLA 4	3GKP182410-K	1482	94.2	94.2	93.5	0.83	34.2	8.6	121	3	3.8	0.191	294	62
22	M3KP 200MLA 4	3GKP202410-K	1486	94.5	95.1	95	0.83	39.3	8.5	141	2.8	3.5	0.366	347	63
30	M3KP 225SMA 4	3GKP222210-K	1484	94.9	95.3	95.1	0.84	53	7.5	193	2.7	3.2	0.536	448	66
37	M3KP 225SMA 4	3GKP222210-K	1480	95.2	95.7	95.6	0.84	66.8	7.5	239	3.1	3.2	0.536	448	66
45	M3KP 250SMA 4	3GKP252210-K	1484	95.4	95.5	95	0.85	79.4	8.1	290	3.1	3.3	0.933	494	67
55	M3KP 250SMA 4	3GKP252210-K	1483	95.7	95.8	95.4	0.83	100	7.8	354	3.3	3.6	0.933	494	67
75	M3KP 280SMC 4	3GKP282230-K	1487	96	96.3	96	0.85	130	7.8	481	2.8	2.9	1.85	747	72
90	M3KP 280SMC 4	3GKP282230-K	1487	96.1	96.3	95.9	0.84	161	7.9	578	2.9	3	1.85	747	72
110	M3KP 315SMC 4	3GKP312230-K	1491	96.3	96.5	96.1	0.84	194	7.8	704	2.4	3.1	2.9	1013	68
132	M3KP 315SMD 4	3GKP312240-K	1490	96.4	96.6	96.2	0.84	234	7.9	846	2.6	3.2	3.2	1075	68
160	M3KP 315MLB 4	3GKP312420-K	1490	96.6	96.8	96.4	0.86	278	7.9	1026	2.7	3	3.9	1228	68
200	M3KP 355SMA 4	3GKP352210-K	1491	96.7	96.8	96.4	0.86	345	7.3	1282	2.1	2.7	5.9	1634	74
250	M3KP 355SMB 4	3GKP352220-K	1491	96.7	96.8	96.5	0.86	433	7.8	1601	2.5	2.9	6.9	1790	74
315	M3KP 355SMC 4	3GKP352230-K	1490	96.7	96.7	96.5	0.85	554	7.4	2017	2.8	2.9	7.2	1838	74
355	M3KP 355MLA 4	3GKP352410-K	1491	96.7	96.9	96.5	0.86	616	7.9	2274	2.7	2.9	8.4	2173	78
400	M3KP 355MLB 4	3GKP352420-K	1490	96.7	96.7	96.3	0.85	700	6.8	2563	2.1	2.8	8.4	2170	78
450	M3KP 355MLC 4	3GKP352430-K	1489	96.7	96.8	96.6	0.86	779	6.8	2886	2.4	2.8	8.4	2170	78
500	M3KP 355LKA 4	3GKP352810-K	1490	96.7	96.7	96.1	0.86	865	6.8	3204	2	3	10	2530	78
560	M3KP 400LA 4	3GKP402510-K	1491	96.7	96.7	96.2	0.85	982	7.4	3586	2.4	2.8	15	3040	78
630	M3KP 400LB 4	3GKP402520-K	1491	96.7	96.7	96.1	0.86	1077	7.6	4034	2.2	2.9	16	3420	78
710	M3KP 400LC 4	3GKP402530-K	1491	96.7	96.7	96.2	0.84	1227	7.6	4547	2.4	3	17	3520	78
780	M3KP 450LA 4	3GKP452510-K	1491	96.7	96.7	96	0.86	1336	7	4993	1.3	3.2	23	4050	85
870	M3KP 450LB 4	3GKP452520-K	1492	96.7	96.6	95.9	0.85	1491	7.2	5567	1.4	2.9	25	4350	85
950	M3KP 450LC 4	3GKP452530-K	1492	96.7	96.7	96	0.86	1620	7	6078	1.4	2.9	30	4700	85
1000 r/min = 6 poles			400 V 50 Hz												
7,5	M3KP 160MLA 6	3GKP163410-K	984	91.3	91	89.4	0.75	15.8	7.1	72.8	1.8	3.6	0.133	219	59
11	M3KP 180MLA 6	3GKP183410-K	982	92.3	92.4	91.3	0.75	21.5	5.5	107	1.4	2.7	0.225	290	59
15	M3KP 200MLA 6	3GKP203410-K	991	92.9	93.1	92.3	0.8	27.8	8	145	2.5	3.6	0.531	320	63
18,5	M3KP 200MLA 6	3GKP203410-K	991	93.4	93.7	93.1	0.82	34.5	8.1	178	2.4	3.6	0.531	320	63
30	M3KP 225SMA 6	3GKP223210-K	988	94.2	94.5	94	0.78	59.2	7.3	290	3	3.4	0.813	440	63
37	M3KP 250SMA 6	3GKP253210-K	992	94.5	94.9	94.8	0.76	74	8.6	357	3.7	3.7	1.49	529	63
45	M3KP 280SMB 6	3GKP283220-K	992	94.8	95.1	94.6	0.84	80.9	7.5	434	2.4	2.6	2.2	697	65
55	M3KP 280SMC 6	3GKP283230-K	990	95.1	95.4	95.1	0.84	99.4	6.8	506	2.4	2.6	2.85	737	65
75	M3KP 315SMC 6	3GKP313230-K	994	95.4	95.6	95.2	0.82	138	7	721	2.2	2.8	4.9	1009	67
90	M3KP 315SMD 6	3GKP313240-K	994	95.6	95.8	95.5	0.8	170	7.2	864	2.4	2.9	4.9	1043	67
110	M3KP 315MLB 6	3GKP313420-K	994	95.8	96	95.7	0.82	202	6.9	1057	2.3	2.7	6.3	1208	68
132	M3KP 315LKA 6	3GKP313810-K	993	96	96.2	96	0.81	243	6.9	1269	2.4	2.7	7.3	1420	68
160	M3KP 355SMB 6	3GKP353220-K	995	96.2	96.2	95.7	0.81	294	7	1536	2.1	2.7	9.7	1698	73
200	M3KP 355SMC 6	3GKP353230-K	995	96.3	96.4	96.1	0.81	367	7.3	1920	2.3	2.8	11.3	1841	73
250	M3KP 355MLB 6	3GKP353420-K	995	96.5	96.7	96.6	0.82	456	7.1	2399	2.3	2.7	13.5	2185	73
315	M3KP 355LKA 6	3GKP353810-K	994	96.6	96.7	96.5	0.82	576	6.9	3026	2.3	2.8	15.5	2510	76
400	M3KP 400LA 6	3GKP403510-K	994	96.6	96.7	96.2	0.8	747	7.5	3843	2.8	3.1	17	3020	76
450	M3KP 400LB 6	3GKP403520-K	995	96.6	96.5	95.6	0.81	830	8.3	4319	3.4	3.6	22	3270	76
500	M3KP 400LC 6	3GKP403530-K	995	96.6	96.5	95.9	0.82	911	7.8	4799	3.2	3.4	22	3420	76
560	M3KP 400LD 6	3GKP403540-K	993	96.6	96.6	96	0.86	984	7.4	5386	2.4	2.8	24	3520	77
610	M3KP 450LA 6	3GKP453510-K	994	96.6	96.6	96.1	0.83	1098	7.1	5860	1.4	2.9	31	4150	81
680	M3KP 450LB 6	3GKP453520-K	995	96.6	96.6	96	0.84	1208	7.6	6526	1.5	2.9	37	4500	81
760	M3KP 450LC 6	3GKP453530-K	995	96.6	96.6	96.1	0.83	1366	7.8	7293	1.6	3.2	41	4800	81