



IE2

Material	TYPE	Output		Frame Size	Speed		Rated current				Power Factor cosφ	Efficiency at 50Hz			Rated torque Nm	Ratio			Weight kg	
		50Hz kW	60Hz kW		50Hz rpm	60Hz rpm	380V A	400V A	415V A	460V A		Class	100% Load %	75% Load %		50% Load %	Starting current	Starting torque		B/down torque
3000/3600rpm, 2-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9001-1EA23-4_A4	22	24.5	180M	2940	3528	42	41	39	38	0.87	IE2	91.3	91.8	91.4	71	7.4	2.7	3.6	123
	1TZ9001-1EA63-4_A4	30	33.5	180L	2940	3528	56	53	51	51	0.89	IE2	92.0	92.5	92.2	97	7.8	2.3	3.4	139
	1TZ9001-2AA43-4_A4	30	33.5	200L	2955	3546	57	54	52	52	0.87	IE2	92	92.3	91.7	97	6.9	2.5	3.3	158
	1TZ9001-2AA53-4_A4	37	41.5	200L	2960	3552	69	66	63	63	0.88	IE2	92.5	92.8	92.3	119	7.4	2.7	3.5	178
	1TZ9001-2AA63-4_A4	45	51	200L	2950	3540	85	81	78	78	0.87	IE2	92.9	93.4	93.1	146	7.1	2.5	3.2	194
1500/1800rpm, 4-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9001-1EB23-4_A4	18.5	21.3	180M	1465	1758	37	35	34	34	0.84	IE2	91.2	92	91.9	121	7.2	2.5	3.4	128
	1TZ9001-1EB43-4_A4	22	25.3	180L	1465	1758	44	42	40	41	0.84	IE2	91.6	92.2	91.9	143	7.3	2.6	3.5	132
	1TZ9001-1EB63-4_A4	30	34.5	180L	1465	1758	61	58	56	57	0.81	IE2	92.3	93	92.9	196	7.3	2.5	3.3	148
	1TZ9001-2AB53-4_A4	30	34.5	200L	1470	1764	59	56	54	55	0.84	IE2	92.3	92.8	92.6	195	6.7	2.5	3.3	173
	1TZ9001-2AB63-4_A4	37	42.5	200L	1470	1764	72	69	66	67	0.84	IE2	92.7	93.6	93.8	240	7	2.4	3	189
1000/1200rpm, 6-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9001-1EC43-4_A4	15	18	180L	975	1170	33	31	30	32	0.78	IE2	89.7	90.1	90.2	147	6.0	2.5	3.1	121
	1TZ9001-1EC63-4_A4	18.5	22	180L	975	1170	40	39	37	38	0.77	IE2	90.4	91.1	90.8	181	6.0	2.3	2.9	130
	1TZ9001-2AC43-4_A4	18.5	22	200L	978	1174	38	36	35	36	0.82	IE2	90.4	91.3	91.2	181	5.8	2.4	2.6	151
	1TZ9001-2AC53-4_A4	22	26.5	200L	978	1174	45	43	41	44	0.82	IE2	90.9	91.6	91.2	215	6.2	2.5	2.6	173
	1TZ9001-2AC63-4_A4	30	34.5	200L	975	1170	65	61	59	59	0.77	IE2	91.7	92.5	92.5	294	6.3	2.6	2.7	192
750/900rpm, 8-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9001-1ED43-4_A4	11	13.2	180L	720	864	28	26	25	26	0.70	IE2	86.6	87.6	87.1	146	4.9	2.3	2.6	122
	1TZ9001-1ED63-4_A4	15	18	180L	720	864	36	34	33	34	0.73	IE2	87.9	88.9	88.2	199	4.9	2.2	2.5	151
	1TZ9001-2AD53-4_A4	15	18	200L	718	862	34	32	31	32	0.76	IE2	88.9	90.8	91.2	200	5.4	2.4	2.8	172
	1TZ9001-2AD63-4_A4	18.5	22	200L	720	864	41	39	37	39	0.78	IE2	88.6	89.9	90.1	245	5.8	2.6	3.0	198

IE3

Material	TYPE	Output		Frame Size	Speed		Rated current				Power Factor cosφ	Efficiency at 50Hz			Rated torque Nm	Ratio			Weight kg	
		50Hz kW	60Hz kW		50Hz rpm	60Hz rpm	380V A	400V A	415V A	460V A		Class	100% Load %	75% Load %		50% Load %	Starting current	Starting torque		B/down torque
3000/3600rpm, 2-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9003-1EA23-4_A4	22	24.5	180M	2950	3550	41	39	37	38	0.89	IE3	92.7	93.0	92.4	71	7.5	2.5	3.5	122
	1TZ9003-1EA63-4_A4	30	33.5	180L	2950	3550	56	53	51	51	0.88	IE3	93.3	93.9	93.9	97	8.6	2.6	3.9	140
	1TZ9003-2AA43-4_A4	30	33.5	200L	2955	3555	56	53	51	52	0.87	IE3	93.3	93.7	93.3	97	6.6	2.5	3.3	173
	1TZ9003-2AA53-4_A4	37	41.5	200L	2955	3555	68	65	63	63	0.88	IE3	93.7	94.1	93.8	120	6.6	2.5	3.2	194
	1TZ9003-2AA63-4_A4	45	51	200L	2950	3555	84	79	77	78	0.87	IE3	94.0	94.6	94.7	146	7.1	2.5	3.2	194
1500/1800rpm, 4-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9003-1EB23-4_A4	18.5	21.3	180M	1470	1770	37	35	34	35	0.82	IE3	92.6	93.2	93.2	120	6.9	2.5	3.3	134
	1TZ9003-1EB43-4_A4	22	25.3	180L	1470	1770	43	41	40	41	0.83	IE3	93.0	93.7	93.7	143	6.8	2.5	3.3	142
	1TZ9003-1EB63-4_A4	30	34.5	180L	1470	1770	62	59	57	58	0.79	IE3	93.6	94.3	94.2	195	7.8	2.8	3.7	154
	1TZ9003-2AB53-4_A4	30	34.5	200L	1470	1770	58	55	53	55	0.84	IE3	93.6	94.3	94.4	195	6.9	2.6	3.1	189
	1TZ9003-2AB63-4_A4	37	42.5	200L	1475	1775	74	70	68	69	0.81	IE3	93.9	94.4	94.4	240	8.1	3.1	3.5	205
1000/1200rpm, 6-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9003-1EC43-4_A4	15	18	180L	975	1170	31	30	29	31	0.80	IE3	91.2	91.9	91.9	147	5.9	2.3	2.8	130
	1TZ9003-1EC63-4_A4	18.5	22	180L	975	1175	40	38	36	38	0.77	IE3	91.7	92.3	92.1	181	6.9	2.6	3.3	150
	1TZ9003-2AC43-4_A4	18.5	22	200L	978	1175	39	37	36	38	0.79	IE3	91.7	92.5	92.5	181	5.6	2.5	2.6	166
	1TZ9003-2AC53-4_A4	22	26.5	200L	978	1175	46	44	42	44	0.79	IE3	92.2	93.0	92.9	215	5.6	2.5	2.6	179
	1TZ9003-2AC63-4_A4	30	36	200L	978	1175	62	59	57	61	0.79	IE3	92.9	93.6	93.7	293	6.5	2.8	2.8	220
750/900rpm, 8-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9003-1ED43-4_A4	11	13.2	180L	725	870	26	24	23	25	0.74	IE3	88.6	89.7	89.6	145	5.1	2.1	2.4	161
	1TZ9003-2AD53-4_A4	15	18	200L	730	876	35	34	32	34	0.73	IE3	89.6	90.1	89.4	196	6.8	3.0	3.7	212

IE4

Material	TYPE	Output		Frame Size	Speed		Rated current				Power Factor cosφ	Efficiency at 50Hz			Rated torque Nm	Ratio			Weight kg	
		50Hz kW	60Hz kW		50Hz rpm	60Hz rpm	380V A	400V A	415V A	460V A		Class	100% Load %	75% Load %		50% Load %	Starting current	Starting torque		B/down torque
3000/3600rpm, 2-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9004-1EA23-4_A4	22	24.5	180M	2950	3555	40	38	37	37	0.89	IE4	94.0	94.4	94.1	71	8.9	2.8	4.1	139
	1TZ9004-2AA43-4_A4	30	33.5	200L	2965	3560	59	55	54	52	0.83	IE4	94.5	94.8	94.4	97	7.9	2.8	4.0	173
	1TZ9004-2AA53-4_A4	37	41.5	200L	2960	3560	70	66	64	63	0.86	IE4	94.8	95.1	95.0	119	7.9	3.2	3.9	214
1500/1800rpm, 4-pole, 50/60Hz, IP55, Insulation F/B																				
	1TZ9004-1EB23-4_A4	18.5	21.3	180M	1470	1770	36.8	35.0	33.7	34.5	0.81	IE4	94.2	94.7	94.5	120	7.9	2.5	3.6	153
	1TZ9004-1EB43-4_A4	22	25.3	180L	1475	1775	44	42	40	41	0.81	IE4	94.5	95.0	94.8	142	7.7	2.8	3.8	158
	1TZ9004-2AB53-4_A4	30	34.5	200L	1475	1775	59	56	54	55	0.81	IE4	94.9	95.2	94.9	194	7.3	3.0	3.6	205

Bolt-on feet as standard.
Aluminium housing. Aluminium endshields (at B3 motors).
Cast iron B5 flanges (at B5 or B3/B5 motors).

Suitable for PAD MOUNTING !!!

