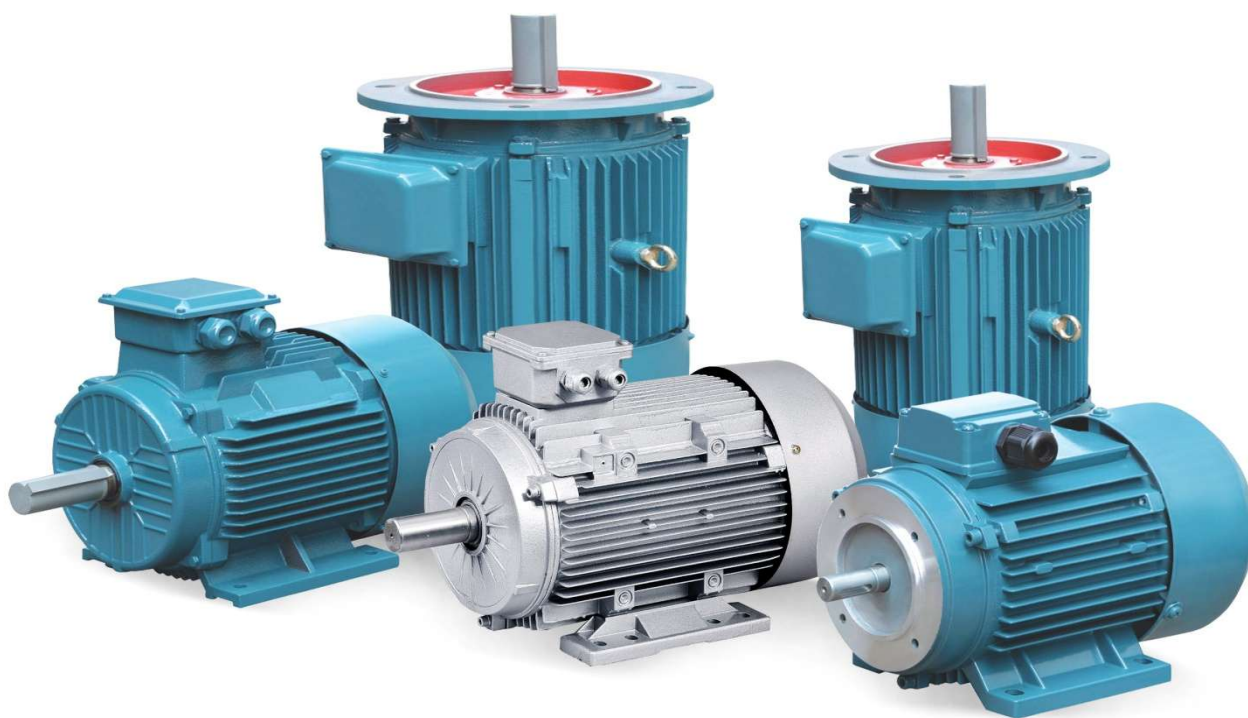


Motors

IEC 60034



IE1 Motor 2 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE1-80M1-2	0.75	1	2825	1.90	1.81	1.74	70.7	72.1	72.1	0.83	2.54	2.2	2.3	6.1	67	15
IE1-80M2-2	1.1	1.5	2825	2.65	2.52	2.43	73.5	75.0	75.0	0.84	3.72	2.2	2.3	7.0	67	16.5
IE1-90S-2	1.5	2	2840	3.51	3.34	3.22	75.7	77.2	77.2	0.84	5.04	2.2	2.3	7.0	72	20
IE1-90L-2	2.2	3	2840	4.93	4.69	4.52	78.1	79.7	79.7	0.85	7.4	2.2	2.3	7.0	72	24
IE1-100L-2	3	4	2870	6.43	6.11	5.89	79.9	81.5	81.5	0.87	9.98	2.2	2.3	7.5	76	31
IE1-112M-2	4	5.5	2880	8.31	7.90	7.61	81.4	83.1	83.1	0.88	13.3	2.2	2.3	7.5	77	38
IE1-132S1-2	5.5	7.5	2900	11.2	10.7	10.3	83.0	84.7	84.7	0.88	18.1	2.2	2.3	7.5	80	58
IE1-132S2-2	7.5	10	2900	15.1	14.3	13.8	84.3	86.0	86.0	0.88	24.7	2.2	2.3	7.5	80	62
IE1-160M1-2	11	15	2930	21.4	20.4	19.6	85.8	87.6	87.6	0.89	35.9	2.2	2.3	7.5	86	103
IE1-160M2-2	15	20	2930	28.9	27.4	26.4	86.9	88.7	88.7	0.89	48.9	2.2	2.3	7.5	86	112
IE1-160L-2	18.5	25	2930	35.0	33.2	32.0	87.5	89.3	89.3	0.90	60.3	2.2	2.3	7.5	86	135
IE1-180M-2	22	30	2940	41.3	39.2	37.8	88.1	89.9	89.9	0.90	71.5	2.0	2.3	7.5	89	165
IE1-200L1-2	30	40	2950	55.8	53.0	51.1	88.9	90.7	90.7	0.90	97.1	2.0	2.3	7.5	92	215
IE1-200L2-2	37	50	2950	68.5	65.1	62.7	89.4	91.2	91.2	0.90	119.8	2.0	2.3	7.5	92	232
IE1-225M-2	45	60	2960	82.8	78.7	75.9	89.9	91.7	91.7	0.90	145.2	2.0	2.3	7.5	92	285
IE1-250M-2	55	75	2965	100.8	95.8	92.3	90.3	92.1	92.1	0.90	177.2	2.0	2.3	7.5	93	375
IE1-280S-2	75	100	2970	136.6	129.8	125.1	90.8	92.7	92.7	0.90	241.2	2.0	2.3	7.5	94	500
IE1-280M-2	90	120	2970	161.6	153.5	148.0	91.1	93.0	93.0	0.91	289.4	2.0	2.3	7.5	94	550
IE1-315S-2	110	150	2975	196.9	187.0	180.2	91.4	93.3	93.3	0.91	353.1	1.8	2.2	7.1	96	860
IE1-315M-2	132	180	2975	235.7	223.9	215.8	91.6	93.5	93.5	0.91	423.7	1.8	2.2	7.1	96	960
IE1-315L1-2	160	220	2975	281.7	267.6	257.9	91.9	93.8	93.8	0.92	513.6	1.8	2.2	7.1	99	1020
IE1-315L2-2	200	270	2975	351.4	333.8	321.7	92.1	94.0	94.0	0.92	642.0	1.8	2.2	7.1	99	1080
IE1-355M-2	250	340	2980	439.2	417.3	402.2	92.1	94.0	94.0	0.92	801.2	1.6	2.2	7.1	103	1700
IE1-355L-2	315	430	2980	553.4	525.8	506.8	92.1	94.0	94.0	0.92	1009.5	1.6	2.2	7.1	103	1850
IE1-4001-2	355	480	2980	623.7	592.5	571.1	92.1	94.0	94.0	0.92	1137.7	1.3	2.0	6.5	106	2850
IE1-4002-2	400	550	2980	702.8	667.6	643.5	92.1	94.0	94.0	0.92	1281.9	1.3	2.0	6.5	106	3000
IE1-4003-2	450	600	2980	790.6	751.1	723.9	92.1	94.0	94.0	0.92	1442.1	1.3	2.0	6.5	109	3150
IE1-4004-2	500	680	2980	878.5	834.5	804.4	92.1	94.0	94.0	0.92	1602.3	1.3	2.0	6.5	109	3300
IE1-4005-2	560	760	2980	983.9	934.7	900.9	92.1	94.0	94.0	0.92	1794.6	1.3	2.0	6.5	109	3450
IE1-4006-2	630	840	2980	1106.9	1051.5	1013.5	92.1	94.0	94.0	0.92	2019.0	1.3	2.0	6.5	109	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE1 Motor 4 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE1-80M1-4	0.55	0.75	1390	1.59	151	1.46	68.6	70.0	70.0	0.75	3.78	2.4	2.3	5.2	58	14.5
IE1-80M2-4	0.75	1	1390	2.08	1.98	1.90	70.7	72.1	72.1	0.76	5.15	2.3	2.3	6.0	58	15
IEI-90S-4	1.1	1.5	1400	2.89	2.75	2.65	73.5	75.0	75.0	0.77	7.5	2.3	2.3	6.0	61	19
IE1-90L-4	1.5	2	1400	3.74	3.55	3.42	75.7	77.2	77.2	0.79	10.2	2.3	2.3	6.0	61	23
IE1-100L1-4	2.2	3	1420	5.18	4.92	4.74	78.1	79.7	79.7	0.81	14.8	2.3	2.3	7.0	64	30
IEI-100L2-4	3	4	1420	6.82	6.48	6.25	79.9	81.5	81.5	0.82	20.2	2.3	2.3	7.0	64	33
IE1-112M-4	4	5.5	1440	8.92	8.47	8.17	81.4	83.1	83.1	0.82	26.5	2.3	2.3	7.0	65	43
IEI-132S-4	5.5	7.5	1440	11.9	11.3	10.9	83.0	84.7	84.7	0.83	36.5	2.3	2.3	7.0	71	60
E1-132M-4	7.5	10	1440	15.8	15.0	14.4	84.3	86.0	86.0	0.84	49.7	2.3	2.3	7.0	71	69
IE1-160M-4	11	15	1460	22.7	21.6	20.8	85.8	87.6	87.6	0.84	72.0	2.2	2.3	7.0	75	107
IE1-160L-4	15	20	1460	30.2	28.7	27.7	86.9	88.7	88.7	0.85	98.1	2.2	2.3	7.5	75	130
IE1-180M-4	18.5	25	1465	36.6	34.8	33.5	87.5	89.3	89.3	0.86	120.6	2.2	2.3	7.5	76	162
IE1-180L-4	22	30	1465	43.2	41.1	39.6	88.1	89.9	89.9	0.86	143.4	2.2	2.3	7.5	76	175
IE1-200L-4	30	40	1470	58.4	55.5	53.5	88.9	90.7	90.7	0.86	194.9	2.2	2.3	7.2	79	227
IE1-225S-4	37	50	1475	70.9	67.3	64.9	89.4	91.2	91.2	0.87	239.6	2.2	2.3	7.2	81	282
IE1-225M-4	45	60	1475	85.7	81.4	78.5	89.9	91.7	91.7	0.87	291.4	2.2	2.3	7.2	81	315
IE1-250M-4	55	75	1475	104.3	99.1	95.5	90.3	92.1	92.1	0.87	356.1	2.2	2.3	7.2	83	390
IE1-280S-4	75	100	1480	141.3	134.2	129.4	90.8	92.7	92.7	0.87	484.0	2.2	2.3	7.2	86	525
IE1-280M-4	90	120	1480	169.0	160.6	154.8	9L1	93.0	93.0	0.87	580.7	2.2	2.3	7.2	86	590
IE1-315S-4	110	150	1480	203.6	193.4	186.4	91.4	93.3	93.3	0.88	709.8	2.1	2.2	6.9	93	900
IE1-315M-4	132	180	1480	243.8	231.6	223.2	91.6	93.5	93.5	0.88	951.8	2.1	2.2	6.9	93	1000
IE1-315L1-4	160	220	1480	291.2	276.6	266.6	91.9	93.8	93.8	0.89	1032.4	2.1	2.2	6.9	97	1070
IE1-315L2-4	200	270	1480	363.2	345.1	332.6	92.1	94.0	94.0	0.89	1290.5	2.1	2.2	6.9	97	1140
IE1-355M-4	250	340	1490	449.0	426.5	411.1	92.1	94.0	94.0	0.90	1602.3	2.1	2.2	6.9	101	1760
IE1-355L-4	315	430	1490	565.7	537.4	518.0	92.1	94.0	94.0	0.90	2019.0	2.1	2.2	6.9	101	1920
IE1-4001-4	355	480	1490	637.6	605.7	583.8	92.1	94.0	94.0	0.90	2275.3	1.6	2.0	6.5	104	2880
IE1-4002-4	400	550	1490	718.4	682.5	657.8	92.1	94.0	94.0	0.90	2563.8	1.6	2.0	6.5	104	3020
IE1-4003-4	450	600	1490	808.2	767.8	740.0	92.1	94.0	94.0	0.90	2884.2	1.6	2.0	6.5	107	3100
IE1-4004-4	500	680	1490	989.0	853.1	822.2	92.1	94.0	94.0	0.90	3204.7	1.6	2.0	6.5	107	3350
IE1-4005-4	560	760	1490	1005.7	955.5	920.9	92.1	94.0	94.0	0.90	3589.3	1.6	2.0	6.5	107	3500
IE1-4006-4	630	840	1490	1131.5	1074.9	1036.0	92.1	94.0	94.0	0.90	4037.9	1.6	2.0	6.5	107	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE1 Motor 6 Poles - 50Hz

FEKERMAN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE1-90S-6	0.75	1	910	2.26	2.15	2.07	68.6	70.0	70.0	0.72	7.87	2.0	2.1	5.5	57	20
IE1-90L-6	1.1	1.5	910	3.14	2.98	2.88	71.4	72.9	72.9	0.73	11.54	2.0	2.1	5.5	57	24
IE1-100L-6	1.5	2	930	4.04	3.84	3.70	73.7	75.2	75.2	0.75	15.4	2.0	2.1	5.5	61	29
IE1-112M-6	2.2	3	940	5.66	5.38	5.18	76.1	77.7	77.7	0.76	22.35	2.0	2.1	6.5	65	37
IE1-132S-6	3	4	960	7.53	7.15	6.89	78.1	79.7	79.7	0.76	29.85	2.1	2.1	6.5	69	53
IE1-132MI-6	4	5.5	960	9.82	9.33	9.00	79.8	81.4	81.4	0.76	39.8	2.1	2.1	6.5	69	64
IE1-132M2-6	5.5	7.5	960	13.1	12.4	12.0	81.4	83.1	83.1	0.77	54.7	2.1	2.1	6.5	69	72
IE1-160M-6	7.5	10	970	17.5	16.6	16.0	83.0	84.7	84.7	0.77	73.85	2.0	2.1	6.5	73	97
IE1-160L-6	11	15	970	24.8	23.6	22.7	84.7	86.4	86.4	0.78	108.3	2.0	2.1	6.5	73	126
IE1-180L-6	15	20	970	32.1	30.5	29.4	85.9	87.7	87.7	0.81	147.7	2.0	2.1	7.0	73	166
IE1-200L1-6	18.5	25	975	39.2	37.2	35.9	86.8	88.6	88.6	0.81	181.2	2.1	2.1	7.0	76	205
IE1-200L2-6	22	30	975	45.1	42.9	41.3	87.4	89.2	89.2	0.83	215.5	2.1	2.1	7.0	76	220
IE1-225M-6	30	40	980	60.2	57.2	55.1	88.4	90.2	90.2	0.84	292.3	2.0	2.1	7.0	76	290
IE1-250M-6	37	50	980	72.0	68.4	65.9	89.0	90.8	90.8	0.86	360.5	2.1	2.1	7.0	78	370
IE1-280S-6	45	60	980	87.0	82.6	79.6	89.6	91.4	91.4	0.86	438.5	2.1	2.0	7.0	80	490
IE1-280M-6	55	75	980	105.7	100.4	96.8	90.1	91.9	91.9	0.86	535.9	2.1	2.0	7.0	80	540
IE1-315S-6	75	100	985	143.1	135.9	131.0	90.7	92.6	92.6	0.86	727.1	2.0	2.0	7.0	85	850
IE1-315M-6	90	120	985	171.2	162.6	156.7	91.0	92.9	92.9	0.86	872.5	2.0	2.0	7.0	85	960
IE1-315L1-6	110	150	985	208.3	197.9	190.7	91.4	93.3	93.3	0.86	1066.4	2.0	2.0	6.7	85	1060
IE1-315L2-6	132	180	985	246.6	234.2	225.8	91.6	93.5	93.5	0.87	1279.7	2.0	2.0	6.7	85	1120
IE1-355M1-6	160	220	990	294.5	279.8	269.7	91.9	93.8	93.8	0.88	1543.3	1.9	2.0	6.7	92	1680
IE1-355M2-6	200	270	990	367.4	349.0	336.4	92.1	94.0	94.0	0.88	1929.1	1.9	2.0	6.7	92	1780
IE1-355L-6	250	340	990	459.2	436.2	420.5	92.1	94.0	94.0	0.88	2411.4	1.9	2.0	6.7	92	1950
IE1-4001-6	315	430	990	578.6	549.7	529.8	92.1	94.0	94.0	0.88	3038.6	1.6	1.9	6.2	96	2850
IE1-4002-6	355	480	990	652.1	619.5	597.1	92.1	94.0	94.0	0.88	3424.5	1.6	1.9	6.2	96	3000
IE1-4003-6	400	550	990	734.7	698.0	672.7	92.1	94.0	94.0	0.88	3858.6	1.6	1.9	6.2	100	3200
IE1-4004-6	450	600	990	826.6	785.2	756.8	92.1	94.0	94.0	0.88	4340.9	1.6	1.9	6.2	100	3400
IE1-4005-6	500	680	990	918.4	872.5	840.9	92.1	94.0	94.0	0.88	4823.2	1.6	1.9	6.2	100	3550

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE1 Motor 8 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE1-90S-8	0.37	0.5	660	1.85	1.76	1.70	48.7	49.7	49.7	0.61	5.35	1.8	1.9	4.0	56	20
IE1-90L-8	0.55	0.75	660	2.44	2.32	2.24	55.0	56.1	56.1	0.61	7.96	1.8	2.0	4.0	56	24
IE1-100L1-8	0.75	1	690	2.78	2.64	2.54	60.0	61.2	61.2	0.67	10.4	1.8	2.0	4.0	59	30
IE1-100L2-8	1.1	1.5	690	3.64	3.46	3.34	65.2	66.5	66.5	0.69	15.2	18	2.0	5.0	59	32
IE1-112M-8	1.5	2	700	4.71	4.47	4.31	68.8	70.2	70.2	0.69	20.5	1.8	2.0	5.0	61	40
IE1-132S-8	2.2	3	710	6.34	6.03	5.81	72.7	74.2	74.2	0.71	29.6	1.8	2.0	6.0	64	52
IE1-132M-8	3	4	710	8.11	7.70	7.43	75.5	77.0	77.0	0.73	40.4	1.8	2.0	6.0	64	63
IE1-160M1-8	4	5.5	720	10.5	9.99	9.63	77.6	79.2	79.2	0.73	53.1	1.9	2.0	6.0	68	90
IE1-160M2-8	5.5	7.5	720	13.9	13.2	12.7	79.8	81.4	81.4	0.74	73.0	2.0	2.0	6.0	68	100
IE1-160L-8	7.5	10	720	18.3	17.4	16.7	81.4	83.1	83.1	0.75	99.5	2.0	2.0	6.6	68	124
IE1-180L8	11	15	730	25.9	24.6	23.7	83.3	85.0	85.0	0.76	143.9	2.0	2.0	6.6	70	160
IE1-200L-8	15	20	730	34.8	33.0	31.9	84.5	86.2	86.2	0.76	196.2	2.0	2.0	6.6	73	212
IE1-225S-8	18.5	25	730	42.6	40.4	39.0	85.2	86.9	86.9	0.76	242.0	1.9	2.0	6.6	73	255
IE1-225M-8	22	30	730	49.0	46.6	44.9	85.7	87.4	87.4	0.78	287.8	1.9	2.0	6.6	73	285
IE1-250M-8	30	40	735	65.3	62.1	59.8	86.5	88.3	88.3	0.79	389.8	1.9	2.0	6.6	75	370
IE1-280S-8	37	50	735	80.1	76.1	73.4	87.0	88.8	88.8	0.79	480.7	1.9	2.0	6.6	76	485
IE1-280M-8	45	60	735	97.0	92.2	88.8	87.4	89.2	89.2	0.79	584.7	1.9	2.0	6.6	76	540
IE1-315S-8	55	75	735	115.0	109.3	105.3	87.9	89.7	89.7	0.81	714.6	1.8	2.0	6.6	82	820
IE1-315M-8	75	100	735	155.8	148.0	142.7	88.5	90.3	90.3	0.81	974.5	1.8	2.0	6.6	82	970
IE1-315L1-8	90	120	740	183.9	174.7	168.4	88.9	90.7	90.7	0.82	1161.5	1.8	2.0	6.6	82	1050
IE1-315L2-8	110	150	740	223.7	212.5	204.9	89.3	91.1	91.1	0.82	1419.6	1.8	2.0	6.4	82	1130
IE1-355M1-8	132	180	740	267.3	253.9	244.8	89.7	91.5	91.5	0.82	1703.5	1.8	2.0	6.4	90	1720
IE1-355M2-8	160	220	740	322.6	306.5	295.4	90.1	91.5	91.9	0.82	2064.9	1.8	2.0	6.4	90	1800
IE1-355L-8	200	270	740	395.8	376.0	362.4	90.7	92.5	9.25	0.83	2581.1	1.8	2.0	6.4	90	1950
IE1-4001-8	250	340	740	494.8	470.0	453.0	90.7	92.5	92.5	0.83	3226.4	1.6	1.8	6.0	95	2850
IE1-4002-8	280	380	740	554.1	526.4	507.4	90.7	92.5	9.25	0.83	3613.5	1.6	1.8	6.0	95	2950
IE1-4003-8	315	430	740	623.4	592.2	570.8	90.7	92.5	92.5	0.83	4065.2	1.6	1.8	6.0	98	3200
IE1-4004-8	355	480	740	702.5	667.4	643.3	90.7	92.5	9.25	0.83	4581.4	1.6	1.8	6.0	98	3400
IE1-4005-8	400	550	740	791.6	752.0	724.8	90.7	92.5	92.5	0.83	5162.2	1.6	1.8	6.0	98	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE2 Motor 2 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE2-80M1-2	0.75	1	2825	1.77	1.69	1.62	75.9	77.4	77.4	0.82	2.54	2.3	2.3	6.8	62	15
IE2-80M1-2	1.1	1.5	2825	2.50	2.37	2.29	78.0	79.6	79.6	0.83	3.72	2.3	2.3	7.1	62	16.5
IE2-90S-2	1.5	2	2840	3.34	3.17	3.06	79.7	81.3	81.3	0.84	5.04	2.3	2.3	7.3	67	20
IE2-90L-2	2.2	3	2840	4.73	4.49	4.33	81.5	83.2	83.2	0.85	7.40	2.3	2.3	7.6	67	24
IE2-100L-2	3	4	2870	6.19	5.88	5.67	82.9	84.6	84.6	0.87	9.98	2.2	2.3	7.8	74	31
IE2-112M-2	4	5.5	2880	8.05	7.65	7.37	84.1	85.8	85.8	0.88	13.30	2.2	2.3	8.1	77	38
IE2-132S1-2	5.5	7.5	2900	10.9	10.4	10.0	85.3	87.0	87.0	0.88	18.10	2.2	2.3	8.2	79	58
IE2-132S2-2	7.5	10	2900	14.7	14.0	13.5	86.3	88.1	88.1	0.89	24.70	2.2	2.3	7.8	79	62
IE2-160M1-2	11	15	2930	21.0	20.0	19.2	87.6	89.4	89.4	0.89	35.90	2.2	2.3	7.9	81	103
IE2-160M2-2	15	20	2930	28.4	26.9	26.0	88.5	90.3	90.3	0.89	48.90	2.2	2.3	7.9	81	112
IE2-160L-2	18.5	25	2930	34.4	32.6	31.5	89.1	90.9	90.9	0.89	60.30	2.2	2.3	8.0	81	135
IE2-180M-2	22	30	2940	40.7	38.6	37.2	89.5	91.3	91.3	0.89	71.50	2.2	2.3	8.1	83	165
IE2-200L1-2	30	40	2950	55.1	52.3	50.4	90.2	92.0	92.0	0.89	97.10	2.0	2.3	7.5	84	215
IE2-200L2-2	37	50	2950	64.5	64.2	61.8	90.7	92.5	92.5	0.89	119.8	2.0	2.3	7.5	84	232
IE2-225M-2	45	60	2960	81.8	77.7	74.9	91.0	92.9	92.9	0.89	145.2	2.2	2.3	7.5	86	285
IE2-250M-2	55	75	2965	99.6	94.6	91.2	91.3	93.2	93.2	0.89	177.2	2.2	2.3	7.6	89	375
IE2-280S-2	75	100	2970	135.0	128.2	123.6	91.9	93.8	93.8	0.89	241.2	1.8	2.3	6.9	91	500
IE2-280M-2	90	120	2970	159.7	151.7	146.2	92.2	94.1	94.1	0.89	289.4	1.8	2.3	6.9	91	550
IE2-315S-2	110	150	2975	194.8	185.0	178.3	92.4	94.3	94.3	0.90	353.1	1.8	2.2	7.0	92	860
IE2-315M-2	132	180	2975	233.0	221.3	213.3	92.7	94.6	94.6	0.90	423.7	1.8	2.2	7.0	92	960
IE2-315L1-2	160	220	2975	278.7	264.8	255.2	92.9	94.8	94.8	0.91	513.6	1.8	2.2	7.1	92	1020
IE2-315L2-2	200	270	2975	347.7	330.3	318.4	93.1	95.0	95.0	0.91	642.0	1.8	2.2	7.1	92	1080
IE2-355M-2	250	340	2980	434.6	412.9	398.4	93.1	95.0	95.0	0.91	801.2	1.6	2.2	7.1	104	1700
IE2-355L-2	315	430	2980	547.6	520.2	501.4	93.1	95.0	95.0	0.91	1009.5	1.6	2.2	7.2	104	1850
IE2-4001-2	355	480	2980	617.1	586.3	565.1	93.1	95.0	95.0	0.91	137.7	1.6	2.0	6.5	104	2850
IE2-4002-2	400	550	2980	695.4	660.6	636.7	93.1	95.0	95.0	0.92	1281.9	1.3	2.0	6.5	104	3000
IE2-4003-2	450	600	2980	782.3	743.2	716.3	93.1	95.0	95.0	0.92	1442.1	1.3	2.0	6.5	104	3150
IE2-4004-2	500	680	2980	869.2	825.8	795.9	93.1	95.0	95.0	0.92	1602.3	1.2	2.0	6.5	108	3300
IE2-4005-2	560	760	2980	973.5	924.8	891.4	93.1	95.0	95.0	0.92	1794.6	1.2	2.0	6.5	108	3450
IE2-4006-2	630	840	2980	1095.2	1040.5	1002.8	93.1	95.0	95.0	0.92	2019.0	1.2	2.0	6.5	108	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE2 Motor 4 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE2-80M1-4	0.55	0.75	1390	1.45	1.37	132	75.6	77.1	77.1	0.75	3.8	2.4	2.3	5.2	58	14.5
IE2-80M2-4	0.75	1	1390	1.88	1.79	1.72	78.0	79.6	79.6	0.76	5.2	2.3	2.3	6.4	58	15
IE2-90S-4	1.1	1.5	1400	2.67	2.53	2.44	79.8	81.4	81.4	0.77	7.5	2.3	2.3	6.6	61	19
IE2-90L-4	1.5	2	1400	3.48	3.31	3.19	81.1	82.8	82.8	0.78	10.2	2.3	2.3	6.7	61	23
IE2-100L1-4	2.2	3	1420	4.90	4.65	4.48	82.6	84.3	84.3	0.80	14.8	2.3	2.3	7.3	64	30
IE2-100L2-4	3	4	1420	6.50	6.18	5.95	83.8	85.5	85.5	0.81	20.2	2.2	2.3	7.5	64	33
IE2-112M-4	4	5.5	1440	8.56	8.13	7.84	84.9	86.6	86.6	0.81	26.5	2.2	2.3	7.5	65	43
IE2-132S-4	5.5	7.5	1440	11.5	10.9	10.5	85.9	87.7	87.7	0.82	36.5	2.2	2.3	7.5	71	60
IE2-132M-4	7.5	10	1440	15.3	14.5	14.0	86.9	88.7	88.7	0.83	49.7	2.2	2.3	7.3	71	69
IE2-160M-4	11	15	1460	22.2	21.0	20.3	88.0	89.8	89.8	0.83	72.0	2.2	2.3	7.4	75	107
IE2-160L-4	15	20	1460	29.6	28.1	27.1	88.8	90.6	90.6	0.84	98.1	2.2	2.3	7.5	75	130
IE2-180M-4	18.5	25	1465	35.8	34.0	32.8	89.4	91.2	91.2	0.85	120.6	2.2	2.3	7.6	76	162
IE2-180L-4	22	30	1465	42.4	40.3	38.9	89.8	91.6	91.6	0.85	143.4	2.2	2.3	7.7	76	175
IE2-200L-4	30	40	1470	57.4	54.6	52.6	90.5	92.3	92.3	0.85	194.9	2.0	2.3	7.1	79	227
IE2-225S-4	37	50	1475	69.7	66.2	63.8	90.8	92.7	92.7	0.86	239.6	2.0	2.3	7.3	81	282
IE2-225M-4	45	60	1475	84.4	80.2	77.3	91.2	93.1	93.1	0.86	291.4	2.2	2.3	7.3	81	315
IE2-250M-4	55	75	1475	102.7	97.6	94.1	91.6	93.5	93.5	0.86	356.1	2.0	2.3	7.3	83	390
IE2-280S-4	75	100	1480	139.3	132.4	127.6	92.1	94.0	94.0	0.87	484.0	1.8	2.3	6.8	86	525
IE2-280M-4	90	120	1480	166.9	158.5	152.8	92.3	94.2	94.2	0.88	580.7	1.8	2.3	6.9	86	590
IE2-315S-4	110	150	1480	201.0	190.9	184.0	92.6	94.5	94.5	0.89	709.8	1.8	2.2	6.9	93	900
IE2-315M-4	132	180	1480	240.7	228.6	220.4	92.8	94.7	94.7	0.89	851.8	1.8	2.2	6.9	93	1000
IE2-315L1-4	160	220	1480	287.8	273.4	263.6	93.0	94.9	94.9	0.89	1032.4	1.8	2.2	6.9	97	1070
IE2-315L2-4	200	270	1480	359.0	341.1	328.7	93.2	95.1	95.1	0.90	1290.5	1.8	2.2	6.9	97	1140
IE2-355M-4	250	340	1490	443.8	421.6	406.4	93.2	95.1	95.1	0.90	1602.3	1.6	2.2	6.9	101	1760
IE2-355L-4	315	430	1490	559.2	531.2	512.0	93.2	95.1	95.1	0.90	2019.0	1.6	2.2	6.9	101	1920
IE2-4001-4	355	480	1490	629.5	598.1	576.4	93.2	95.1	95.1	0.90	2275.3	1.6	2.2	6.5	104	2880
IE2-4002-4	400	550	1490	709.3	673.9	649.5	93.2	95.1	95.1	0.90	2563.8	1.6	2.2	6.5	104	3020
IE2-4003-4	450	600	1490	798.0	758.1	730.7	93.2	95.1	95.1	0.90	2884.2	1.6	2.2	6.5	107	3100
IE2-4004-4	500	680	1490	886.7	842.3	811.9	93.2	95.1	95.1	0.90	3204.7	1.4	2.2	6.5	107	3350
IE2-4005-4	560	760	1490	993.1	943.4	909.3	93.2	95.1	95.1	0.90	3589.3	1.4	2.2	6.5	107	3500
IE2-4006-4	630	840	1490	1117.2	1061.3	1023.0	93.2	95.1	95.1	0.90	4037.9	1.4	2.2	6.5	107	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE2 Motor 6 Poles - 50Hz

FEKERMAN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise dB(A)	Weight Kg
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE2-80M1-6	0.37	0.5	900	0.19	1.13	1.09	66.2	67.6	67.6	0.70	3.93	1.9	2.0	4.7	54	15.5
IE2-80M2-6	0.55	0.75	900	1.59	1.51	1.45	71.6	73.1	73.1	0.72	5.84	1.9	2.1	4.7	54	16.5
IE2-90S-6	0.75	1	910	2.09	1.98	1.91	74.4	75.9	75.9	0.71	7.87	2.0	2.1	5.8	57	20
IE2-90L-6	1.1	15	910	2.93	2.78	2.68	76.5	78.1	78.1	0.72	11.54	2.0	2.1	5.9	57	24
IE2-100L-6	1.5	2	930	3.81	3.62	3.49	78.2	79.8	79.8	0.72	15.4	2.0	2.1	5.9	61	29
IE2-112M-6	2.2	3	940	5.38	5.11	4.92	80.2	81.8	81.8	0.72	22.35	2.0	2.1	6.2	65	37
IE2-132S-6	3	4	960	7.20	6.84	6.59	81.6	83.3	83.3	0.72	29.85	2.0	2.1	6.4	69	53
IE2-132M1-6	4	5.5	960	9.45	8.98	8.66	82.9	84.6	84.6	0.74	39.8	2.0	2.1	6.6	69	64
IE2-132M2-6	5.5	7.5	960	12.6	12.0	11.6	84.3	86.0	86.0	0.75	54.7	2.0	2.1	6.8	69	72
IE2-160M-6	7.5	10	970	17.0	16.1	15.5	85.5	87.2	87.2	0.78	73.85	2.0	2.1	6.8	73	97
IE2-160L-6	11	15	970	24.2	22.9	22.1	86.9	88.7	88.7	0.79	108.3	2.0	2.1	6.9	73	126
IE2-180L-6	15	20	970	31.4	29.8	28.7	87.9	89.7	89.7	0.82	147.7	2.0	2.1	7.3	73	166
I2-200L1-6	18.5	25	975	38.4	36.5	35.1	88.6	90.4	90.4	0.80	181.2	2.0	2.1	7.2	73	205
IE2-200L2-6	22	30	975	44.3	42.1	40.6	89.1	90.9	90.9	0.81	215.5	2.0	2.1	7.3	73	220
IE2-225M-6	30	40	980	59.2	56.2	54.2	89.9	91.7	91.7	0.82	292.3	2.0	2.1	6.8	74	290
IE2-250M-6	37	50	980	70.9	67.4	64.9	90.4	92.2	92.2	0.83	360.5	2.0	2.1	7.0	76	370
IE2-280S-6	45	60	980	85.8	81.5	78.5	90.8	92.7	92.7	0.85	438.5	2.0	2.0	7.2	78	490
IE2-280M-6	55	75	980	104.4	99.2	95.6	91.2	93.1	93.1	0.86	535.9	2.0	2.0	7.2	78	540
IE2-315S-6	75	100	985	141.4	134.3	129.5	91.8	93.7	93.7	0.84	727.1	2.0	2.0	6.5	83	850
IE2-315M-6	90	120	985	169.2	160.7	154.9	92.1	94.0	94.0	0.85	872.5	2.0	2.0	6.6	83	960
IE2-315L1-6	110	150	985	206.1	195.8	188.7	92.4	94.3	94.3	0.85	1066.4	2.0	2.0	6.6	83	1060
IE2-315L2-6	132	180	985	243.7	231.5	223.1	92.7	94.6	94.6	0.86	1279.7	2.0	2.0	6.6	83	1120
IE2-355M1-6	160	220	990	291.4	276.8	266.8	92.9	94.8	94.8	0.86	1543.3	2.0	2.0	6.7	85	1680
IE2-355M2-6	200	270	990	363.5	345.3	332.8	93.1	95.0	95.0	0.86	1929.1	2.0	2.0	6.8	85	1780
IE2-355L-6	250	340	990	454.4	431.6	416.0	93.1	95.0	95.0	0.86	2411.4	2.0	2.0	6.8	85	1950
IE2-4001-6	315	430	990	572.5	543.9	524.2	93.1	95.0	95.0	0.86	3038.6	2.0	2.5	6.8	96	2850
IE2-4002-6	355	480	990	645.2	612.9	590.8	93.1	95.0	95.0	0.86	3424.5	1.8	2.4	6.5	96	3000
IE2-4003-6	400	550	990	727.0	690.6	665.7	93.1	95.0	95.0	0.86	3858.6	1.6	2.4	6.5	100	3200
IE2-4004-6	450	600	990	817.9	777.0	748.9	93.1	95.0	95.0	0.86	4340.9	1.6	2.4	6.5	100	3400
IE2-4005-6	500	680	990	918.4	872.5	840.9	93.1	95.0	95.0	0.86	4823.2	1.6	2.4	6.5	100	3550

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE2 Motor 8 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE2-80M1-8	0.18	0.25	650	0.98	0.93	0.89	45.0	45.9	45.9	0.61	2.64	1.8	1.9	3.3	52	15.5
E2-80M2-8	0.25	0.37	650	123	1.17	1.13	49.6	50.6	50.6	0.61	3.67	1.8	1.9	3.3	52	16.5
IE2-90S-8	0.37	0.5	660	164	1.56	1.50	55.0	56.1	56.1	0.61	5.35	1.8	1.9	4.0	56	20
IE2-90L-8	0.55	0.75	660	2.22	2.11	2.03	60.5	61.7	61.7	0.61	7.96	1.8	2.0	4.0	56	24
E2-100L1-8	0.75	1	690	2.57	2.44	2.35	64.9	66.2	66.2	0.67	10.40	1.8	2.0	4.0	59	30
IE2-100L2-8	1.1	1.5	690	3.42	3.25	3.13	69.4	70.8	70.8	0.69	15.20	1.8	2.0	5.0	59	32
E2-112M-8	1.5	2	700	4.46	4.23	4.08	72.6	74.1	74.1	0.69	20.50	1.8	2.0	5.0	61	40
IE2-132S-8	2.2	3	710	6.07	5.76	5.56	76.0	77.6	77.6	0.71	29.60	1.8	2.0	6.0	64	52
IE2-132M-8	3	4	710	7.81	7.41	7.15	78.4	80.0	80.0	0.73	40.40	1.8	2.0	6.0	64	63
E2-160M1-8	4	5.5	720	10.2	9.66	9.31	80.3	81.9	81.9	0.73	53.10	1.9	2.0	6.0	68	90
E2-160M2-8	5.5	7.5	720	13.5	12.8	12.3	82.1	83.8	83.8	0.74	73.00	2.0	2.0	6.0	68	100
IE2-160L-8	7.5	10	720	17.8	16.9	16.3	83.6	85.3	85.3	0.75	99.50	2.0	2.0	6.0	68	124
IE2-180L-8	11	15	730	25.3	24.0	23.2	85.2	86.9	86.9	0.76	143.9	2.0	2.0	6.6	70	160
E2-200L-8	15	20	730	34.1	32.4	31.2	86.2	88.0	88.0	0.76	196.2	2.0	2.0	6.6	73	212
E2-225S-8	18.5	25	730	41.7	39.7	38.2	86.8	88.6	88.6	0.76	242.0	1.9	2.0	6.6	73	255
IE2-225M-8	22	30	730	48.1	45.7	44.0	87.3	89.1	89.1	0.78	287.8	1.9	2.0	6.6	73	285
IE2-250M-8	30	40	735	64.3	61.0	58.8	88.0	89.8	89.8	0.79	389.8	1.9	2.0	6.6	75	370
IE2-280S-8	37	50	735	78.8	74.9	72.2	88.5	90.3	90.3	0.79	480.7	1.9	2.0	6.6	76	485
IE2-280M-8	45	60	735	95.4	90.7	87.4	88.9	90.7	90.7	0.79	584.7	1.9	2.0	6.6	76	540
E2-315S-8	55	75	735	113.4	17.7	103.8	89.2	91.0	91.0	0.81	714.6	1.8	2.0	6.6	82	820
IE2-315M-8	75	100	735	153.6	145.9	140.6	89.8	91.6	91.6	0.81	974.5	1.8	2.0	6.6	82	970
IE2-315L1-8	90	120	740	181.5	172.4	166.2	90.1	91.9	91.9	0.82	1161.5	1.8	2.0	6.6	82	1050
IE2-315L2-8	110	150	740	220.8	209.8	202.2	90.5	92.3	92.3	0.82	1419.6	1.8	2.0	6.4	82	1130
IE2-355M1-8	132	180	740	264.1	250.9	241.9	90.7	92.6	92.6	0.82	1703.5	1.8	2.0	6.4	90	1720
IE2-355M2-8	160	220	740	318.8	302.8	291.9	91.1	93.0	93.0	0.82	2064.9	1.8	2.0	6.4	90	1800
IE2-355L-8	200	270	740	39L.6	372.0	358.5	91.6	93.5	93.5	0.83	2581.1	1.8	2.0	6.4	90	1950
IE2-4001-8	250	340	740	489.5	465.0	448.2	91.6	93.5	935	0.80	3226.4	1.6	2.5	6.0	95	2850
IE2-4002-8	280	380	740	548.2	520.8	502.0	91.6	93.5	93.5	0.80	3613.5	1.6	2.5	6.0	95	2950
IE2-4003-8	315	430	740	616.7	585.9	564.7	91.6	93.5	93.5	0.80	4065.2	1.6	2.5	6.0	98	3200
IE2-4004-8	355	480	740	695.0	660.3	636.4	91.6	93.5	93.5	0.80	4581.4	1.6	2.4	6.0	98	3400
IE2-4005-8	400	550	740	783.1	744.0	717.1	91.6	93.5	93.5	0.80	5162.2	1.6	2.4	6.0	98	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE3 Motor 2 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise dB(A)	Weight Kg
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE3-80M1-2	0.75	1	2825	1.70	1.62	1.56	79.1	80.7	80.7	0.82	2.54	2.3	2.3	7.0	62	15
IE3-80M2-2	1.1	1.5	2825	2.41	2.29	2.20	81.0	82.7	82.7	0.83	3.72	2.2	2.3	7.3	62	16.5
IE3-90S-2	1.5	2	2840	3.22	3.06	2.95	82.5	84.2	84.2	0.84	5.04	2.2	2.3	7.6	67	20
IE3-90L-2	2.2	3	2840	4.58	4.35	4.19	84.2	85.9	85.9	0.85	7.40	2.2	2.3	7.6	67	24
IE3-100L-2	3	4	2870	6.02	5.71	5.51	85.4	87.1	87.1	0.87	9.98	2.2	2.3	7.8	74	31
IE3-112M-2	4	5.5	2880	7.84	7.45	7.18	86.3	88.1	88.1	0.88	13.30	2.2	2.3	8.3	77	38
IE3-132S1-2	5.5	7.5	2900	10.6	10.1	9.7	87.4	89.2	89.2	0.88	18.10	2.0	2.3	8.3	79	58
IE3-132S2-2	7.5	10	2900	14.4	13.7	13.2	88.3	90.1	90.1	0.88	24.70	2.0	2.3	7.9	79	62
IE3-160M1-2	11	15	2930	20.6	19.6	18.9	89.4	91.2	91.2	0.89	35.90	2.0	2.3	8.1	81	103
IE3-160M2-2	15	20	2930	27.9	26.5	25.5	90.1	91.9	91.9	0.89	48.90	2.0	2.3	8.1	81	112
IE3-160L-2	18.5	25	2930	34.2	32.5	31.3	90.6	92.4	92.4	0.89	60.30	2.0	2.3	8.2	81	135
IE3-180M-2	22	30	2940	40.5	38.5	37.1	90.8	92.7	92.7	0.89	71.50	2.0	2.3	8.2	83	165
IE3-200L1-2	30	40	2950	54.9	52.1	50.3	91.4	93.3	93.3	0.89	97.10	2.0	2.3	7.6	84	215
IE3-200L2-2	37	50	2950	67.4	64.0	61.7	91.8	93.7	93.7	0.89	119.8	2.0	2.3	7.6	84	232
IE3-225M-2	45	60	2960	80.8	76.8	74.0	92.1	94.0	94.0	0.90	145.2	2.0	2.3	7.7	86	285
IE3-250M-2	55	75	2965	98.5	93.5	90.2	92.4	94.3	94.3	0.90	177.2	2.0	2.3	7.7	89	375
IE3-280S-2	75	100	2970	133.7	127.0	122.4	92.8	94.7	94.7	0.90	241.2	1.8	2.3	7.1	91	500
IE3-280M-2	90	120	2970	159.9	151.9	146.4	93.1	95.0	95.0	0.90	289.4	1.8	2.3	7.1	91	550
IE3-315S-2	110	150	2975	195.1	185.3	178.6	93.3	95.2	95.2	0.90	353.1	1.8	2.3	7.1	92	860
IE3-315M-2	132	180	2975	233.6	221.9	213.9	93.5	95.4	95.4	0.90	423.7	1.8	2.3	7.1	92	960
IE3-315L1-2	160	220	2975	279.4	265.5	255.9	93.7	95.6	95.6	0.91	513.6	1.8	2.3	7.2	92	1020
IE3-315L2-2	200	270	2975	348.6	331.1	319.2	93.9	95.8	95.8	0.91	642.0	1.8	2.2	7.2	92	1080
IE3-355M-2	250	340	2980	435.7	413.9	399.0	93.9	95.8	95.8	0.91	801.2	1.6	2.2	7.2	100	1700
IE3-355L-2	315	430	2980	549.0	521.5	502.7	93.9	95.8	95.8	0.91	1009.5	1.6	2.2	7.2	100	1850
IE3-4001-2	355	480	2980	625.6	594.3	572.8	93.9	95.8	95.8	0.91	1137.1	1.3	2.2	7.2	106	2850
IE3-4002-2	400	550	2980	704.9	669.6	645.4	93.9	95.8	95.8	0.90	1281.9	1.3	2.5	6.5	106	3000
IE3-4003-2	450	600	2980	793.0	753.3	726.1	93.9	95.8	95.8	0.90	1442.1	1.3	2.5	6.5	109	3150
IE3-4004-2	500	680	2980	881.1	837.1	806.8	93.9	95.8	95.8	0.90	1602.3	1.3	2.5	6.5	109	3300
IE3-4005-2	560	760	2980	976.0	927.2	893.7	93.9	95.8	95.8	0.91	1794.6	1.2	2.5	6.5	109	3450
IE3-4006-2	630	840	2980	1098.0	1043.1	1005.4	93.9	95.8	95.8	0.91	2019.0	1.2	2.5	6.5	109	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE3 Motor 4 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise	Weight
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE3-80M1-4	0.55	0.75	1390	138	1.31	1.26	79.2	80.8	80.8	0.75	3.78	2.4	2.3	5.2	56	14.5
IE3-80M2-4	0.75	1	1390	1.84	1.75	1.69	80.9	82.5	82.5	0.75	5.15	2.3	2.3	6.6	56	15
IE3-90S-4	1.1	1.5	1400	2.61	2.48	2.39	82.4	84.1	84.1	0.76	7.5	2.3	2.3	6.8	59	19
IE3-90L-4	1.5	2	1400	3.47	3.30	3.18	83.6	85.3	85.3	0.77	10.2	2.3	2.3	7.0	59	23
IE3-100L1-4	2.2	3	1420	4.76	4.52	4.36	85.0	86.7	86.7	0.81	14.8	2.3	2.3	7.6	64	30
IE3-100L2-4	3	4	1420	6.34	6.02	5.80	85.9	87.7	87.7	0.82	20.2	2.3	2.3	7.6	64	33
IE3-112M-4	4	5.5	1440	8.37	7.95	7.66	86.8	88.6	88.6	0.82	26.5	2.2	2.3	7.8	65	43
IE3-132S-4	5.5	7.5	1440	11.2	10.7	10.3	87.8	89.6	89.6	0.83	36.5	2.0	2.3	7.9	71	60
IE3-132M-4	7.5	10	1440	15.0	14.3	13.7	88.6	90.4	90.4	0.84	49.7	2.0	2.3	7.5	71	69
IE3-160M-4	11	15	1460	21.5	20.4	19.7	89.6	91.4	91.4	0.85	72.0	2.2	2.3	7.7	73	107
IE3-160L-4	15	20	1460	28.8	27.3	26.3	90.3	92.1	92.1	0.86	98.1	2.2	2.3	7.8	73	130
IE3-180M-4	18.5	25	1465	35.3	33.5	32.3	90.7	92.6	92.6	0.86	120.6	2.0	2.3	7.8	76	162
IE3-180L-4	22	30	1465	41.8	39.7	38.3	91.1	93.0	93.0	0.86	143.4	2.0	2.3	7.8	76	175
IE3-200L-4	30	40	1470	56.6	53.8	51.9	91.7	93.6	93.6	0.86	194.9	2.0	2.3	7.3	76	227
IE3-225S-4	37	50	1475	69.6	66.1	63.7	92.0	93.9	93.9	0.86	239.6	2.0	2.3	7.4	78	282
IE3-225M-4	45	60	1475	84.4	80.2	77.3	92.3	94.2	94.2	0.86	291.4	2.0	2.3	7.4	78	315
IE3-250M-4	55	75	1475	102.7	97.6	94.1	92.7	94.6	94.6	0.86	356.1	2.2	2.3	7.4	79	390
IE3-280S-4	75	100	1480	136.3	129.5	124.8	93.1	95.0	95.0	0.88	484.0	2.0	2.3	6.9	80	525
IE3-280M-4	90	120	1480	163.2	155.1	149.5	93.3	95.2	95.2	0.88	580.7	2.0	2.3	6.9	80	590
IE3-315S-4	110	150	1480	196.8	187.0	180.2	93.5	95.4	95.4	0.89	709.8	2.0	2.2	7.0	88	900
IE3-315M-4	132	180	1480	235.7	223.9	215.8	93.7	95.6	95.6	0.89	851.8	2.0	2.2	7.0	88	1000
IE3-315L1-4	160	220	1480	285.1	270.9	261.1	93.9	95.8	95.8	0.89	1032.4	2.0	2.2	7.1	88	1070
IE3-315L2-4	200	270	1480	351.7	334.0	322.0	94.1	96.0	96.0	0.90	1290.5	2.0	2.2	7.1	88	1140
IE3-355M-4	250	340	1490	439.6	417.7	402.6	94.1	96.0	96.0	0.90	1602.3	2.0	2.2	7.1	95	1760
IE3-355L-4	315	430	1490	553.9	526.2	507.2	94.1	96.0	96.0	0.90	2019.0	2.0	2.2	7.1	102	1920
IE3-4001-4	355	480	1490	638.5	606.5	584.6	94.1	96.0	96.0	0.88	2275.3	1.7	2.2	6.5	102	2880
IE3-4002-4	400	550	1490	719.4	683.4	658.7	94.1	96.0	96.0	0.88	2563.8	1.6	2.5	6.5	102	3020
IE3-4003-4	450	600	1490	809.3	768.9	741.1	94.1	96.0	96.0	0.88	2884.2	1.6	2.5	6.5	105	3100
IE3-4004-4	500	680	1490	899.3	854.3	823.4	94.1	96.0	96.0	0.88	3204.7	1.4	2.5	6.5	105	3350
IE3-4005-4	560	760	1490	995.9	946.1	911.9	94.1	96.0	96.0	0.89	3589.3	1.4	2.5	6.5	108	3500
IE3-4006-4	630	840	1490	1120.3	1064.3	1025.8	94.1	96.0	96.0	0.89	4037.9	1.4	2.5	6.5	108	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE3 Motor 6 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise dB(A)	Weight Kg
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE3-80M1-6	0.37	0.5	900	1.09	1.04	1.00	72.0	73.5	73.5	0.70	3.9	1.9	2.0	4.7	54	15.5
IE3-80M2-6	0.55	0.75	900	1.50	1.43	1.38	75.7	77.2	77.2	0.72	5.8	1.9	2.1	4.7	54	16.5
E3-90S-6	0.75	1	910	2.03	1.93	1.86	77.3	78.9	78.9	0.71	7.9	2.0	2.1	6.0	57	20
IE3-90L-6	1.1	1.5	910	2.91	2.76	2.66	79.4	81.0	81.0	0.73	11.5	2.0	2.1	6.0	57	24
IE3-100L-6	1.5	2	930	3.78	3.60	3.47	80.9	82.5	82.5	0.73	15.4	2.0	2.1	6.5	61	29
IE3-112M-6	2.2	3	940	5.36	5.09	4.91	82.6	84.3	84.3	0.74	22.4	2.0	2.1	6.6	65	37
IE3-132S-6	3	4	960	7.20	6.84	6.59	83.9	85.6	85.6	0.74	29.9	2.0	2.1	6.8	69	53
IE3-132M1-6	4	5.5	960	9.46	8.99	8.66	95.1	86.8	86.8	0.74	39.8	2.0	2.1	6.8	69	64
IE3-132M2-6	5.5	7.5	960	12.7	12.0	11.6	86.2	88.0	88.0	0.75	54.7	2.0	2.1	7.0	69	72
IE3-160M-6	7.5	10	970	16.2	15.4	14.8	87.3	89.1	89.1	0.79	73.9	2.0	2.1	7.0	73	97
IE3-160L-6	11	15	970	23.1	22.0	21.2	88.5	90.3	90.3	0.80	108.3	2.0	2.1	7.2	73	126
IE3-180L-6	15	20	970	30.9	29.3	28.2	89.4	91.2	91.2	0.81	147.7	2.0	2.1	7.3	73	166
IE3-200L1-6	18.5	25	975	37.8	36.0	34.7	89.9	91.7	91.7	0.81	181.2	2.0	2.1	7.3	76	205
IE3-200L2-6	22	30	975	44.8	42.5	41.0	90.4	92.2	92.2	0.81	215.5	2.0	2.1	7.4	76	220
IE3-225M-6	30	40	980	59.1	56.2	54.1	91.0	92.9	92.9	0.83	292.3	2.0	2.1	6.9	76	290
E3-250M-6	37	50	980	71.7	68.1	65.7	91.4	93.3	93.3	0.84	360.5	2.0	2.1	7.1	78	370
IE3-280S-6	45	60	980	85.8	81.6	78.6	91.8	93.7	93.7	0.85	438.5	2.0	2.0	7.3	80	490
E3-280M-6	55	75	980	103.3	98.1	94.6	92.2	94.1	94.1	0.86	535.9	2.0	2.0	7.3	80	540
IE3-315S-6	75	100	985	143.4	136.2	131.3	92.7	94.6	94.6	0.84	727.1	2.0	2.0	6.6	80	850
IE3-315M-6	90	120	985	169.5	161.0	155.2	93.0	94.9	94.9	0.85	872.5	2.0	2.0	6.7	85	960
IE3-315L1-6	110	150	985	206.8	196.4	189.3	93.2	95.1	95.1	0.85	1066.4	2.0	2.0	6.7	85	1060
IE3-315L2-6	132	180	985	244.5	232.2	223.8	93.5	95.4	95.4	0.86	1279.7	2.0	2.0	6.8	85	1120
IE3-355M1-6	160	220	990	295.7	280.9	270.7	93.7	95.6	95.6	0.86	1543.3	1.8	2.0	6.8	92	1680
IE3-355M2-6	200	270	990	364.6	346.4	333.8	93.9	95.8	95.8	0.87	1929.1	1.8	2.0	6.8	92	1780
IE3-355L-6	250	340	990	455.7	433.0	417.3	93.9	95.8	95.8	0.87	2411.4	1.8	2.0	6.8	92	1950
IE3-4001-6	315	430	990	609.3	578.8	557.9	93.9	95.8	95.8	0.86	3038.6	1.8	2.0	6.8	96	2850
IE3-4002-6	355	480	990	686.6	652.3	628.7	93.9	95.8	95.8	0.82	3424.5	1.8	2.5	6.5	96	3000
IE3-4003-6	400	550	990	764.3	726.1	699.9	93.9	95.8	95.8	0.83	3858.6	1.6	2.4	6.5	100	3200
IE3-4004-6	450	600	990	859.9	816.9	787.4	93.9	95.8	95.8	0.83	4340.9	1.6	2.4	6.5	100	3400
IE3-4005-6	500	680	990	955.4	907.7	874.8	93.9	95.8	95.8	0.83	4823.2	1.6	2.4	6.5	100	3550

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35

IE3 Motor 8 Poles - 50Hz

FEKERMANN®



Style: B3

With footing, without Flange



Style: B5

Without footing, with Flange



Style: B35

With footing, with Flange

Motor Type	Rated Output		Full Load							Power Factor	Rated Torque (Tn)	Tst/Tn	Tmax/Tn	Ist/In	Noise dB(A)	Weight Kg
			Speed	Input Current (A)			Efficiency η%									
	kW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	CosΦ	N.m					
IE3-80M1-8	0.18	0.25	650	0.76	0.73	0.70	57.5	58.7	58.7	0.61	2.64	1.8	1.9	3.3	52	15.5
IE3-80M2-8	0.25	0.37	650	0.97	0.82	0.89	62.8	64.1	64.1	0.61	3.67	1.8	1.9	3.3	52	16.5
IE3-90S-8	0.37	0.5	660	133	126	1.22	67.9	69.3	69.3	0.61	5.35	1.8	1.9	4.0	56	20
IE3-90L-8	0.55	0.75	660	1.88	1.78	1.72	71.5	73.0	73.0	0.61	7.96	1.8	2.0	4.0	56	24
E3-100L1-8	0.75	1	690	2.27	2.15	2.08	73.5	75.0	75.0	0.67	10.4	1.8	2.0	4.0	59	30
IE3-100L2-8	1.1	1.5	690	3.12	2.96	2.85	76.1	77.7	77.7	0.69	15.2	1.8	2.0	5.0	59	32
IE3-112M-8	1.5	2	700	4.09	3.88	3.74	78.1	79.7	79.7	0.70	20.5	1.8	2.0	5.0	61	40
IE3-132S-8	2.2	3	710	5.75	5.46	5.26	80.3	81.9	81.9	0.71	29.6	1.8	2.0	6.0	64	52
IE3-132M-8	3	4	710	748	7.10	6.85	81.8	83.5	83.5	0.73	40.4	1.8	2.0	6.0	64	63
IE3-160M1-8	4	5.5	720	9.8	9.33	8.99	83.1	84.8	84.8	0.73	53.0	1.9	2.0	6.0	68	90
IE3-160M2-8	5.5	7.5	720	13.1	12.4	12.0	84.5	86.2	86.2	0.74	73.0	2.0	2.0	6.0	68	100
IE3-160L-8	7.5	10	720	17.4	16.5	15.9	85.6	87.3	87.3	0.75	99.5	2.0	2.0	6.0	68	124
IE3-180L-8	11	15	730	25.2	23.9	23.0	86.8	88.6	88.6	0.75	143.9	2.0	2.0	6.6	70	160
IE3-200L-8	15	20	730	33.5	31.8	30.6	87.8	89.6	89.6	0.76	196.2	2.0	2.0	6.6	73	212
IE3-225S-8	18.5	25	730	41.0	39.0	37.6	88.3	90.1	90.1	0.76	242.0	1.9	2.0	6.6	73	255
IE3-225M-8	22	30	730	47.3	44.9	43.3	88.8	90.6	90.6	0.78	287.8	1.9	2.0	6.6	73	285
IE3-250M-8	30	40	735	63.2	60.0	57.9	89.5	91.3	91.3	0.79	389.8	1.9	2.0	6.6	75	370
IE3-280S-8	37	50	735	77.5	73.6	71.0	90.0	91.8	91.8	0.79	480.7	1.9	2.0	6.6	76	485
IE3-280M-8	45	60	735	93.9	89.2	86.0	90.4	92.2	92.2	0.79	584.7	1.9	2.0	6.6	76	540
IE3-315S-8	55	75	735	111.5	106.0	102.1	90.7	92.5	92.5	0.81	714.6	1.8	2.0	6.6	82	820
IE3-315M-8	75	100	735	151.1	143.6	138.4	91.2	93.1	93.1	0.81	974.5	1.8	2.0	6.6	82	970
IE3-315L1-8	90	120	740	178.5	169.6	163.5	91.5	93.4	93.4	0.82	1161.5	1.8	2.0	6.6	82	1050
IE3-315L2-8	110	150	740	217.5	206.6	199.2	91.8	93.7	93.7	0.82	1419.6	1.8	2.0	6.4	82	1130
IE3-355M1-8	132	180	740	260.2	247.2	238.3	92.1	94.0	94.0	0.82	1703.5	1.8	2.0	6.4	90	1720
IE3-355M2-8	160	220	740	314.4	298.7	287.9	92.4	94.3	94.3	0.82	2064.9	1.8	2.0	6.4	90	1800
IE3-355L-8	200	270	740	387.0	367.7	354.4	92.7	94.6	94.6	0.83	2581.1	1.8	2.0	6.4	90	1950
IE3-4001-8	250	340	740	501.9	476.8	459.6	92.7	94.6	94.6	0.80	3226.4	1.6	1.8	6.0	95	2850
IE3-4002-8	280	380	740	562.4	534.0	514.7	92.7	94.6	94.6	0.80	3613.5	1.6	1.8	6.0	95	2950
IE3-4003-8	315	430	740	632.4	600.8	579.1	92.7	94.6	94.6	0.80	4065.2	1.6	1.8	6.0	98	3200
IE3-4004-8	355	480	740	712.7	677.1	652.6	92.7	94.6	94.6	0.80	4581.4	1.6	1.8	6.0	98	3400
IE3-4005-8	400	550	740	803.1	762.9	735.3	92.7	94.6	94.6	0.80	5162.2	1.6	1.8	6.0	98	3600

Motor Shell: Aluminum or Cast Iron

Motor Style: B3, B5, B35