

ELECTRICAL CHARACTERISTICS AT 50 Hz

MOTOR TYPE	HOUSING TYPE	RATED VALUES					STARTING VALUES				Breakdown Torque Ratio Mk/ Mn	EFFICIENCY *			Cosφ	J kgm ²	Weight [B3] kg	Sound Pressure Level dBA **	
		POWER		SPEED rpm	CURRENT A	TORQUE Nm	CURRENT		TORQUE			η %	4/4	2/4					
		kW	HP				I _A / I _N	Δ	M _A / M _N	Δ									
2 pole 3000 rpm																			
QIE63M2A*	Aluminium	0.18	1/4	2800	0.6	0.62	4.20	-	2.3	-	2.4	61.8	62.8	59.4	0.74	0.00017	5	52	
QIE63M2B*	Aluminium	0.25	1/3	2800	0.7	0.86	4.20	-	2.2	-	2.3	64.8	65.7	62.3	0.83	0.00022	6	52	
QIE71M2A*	Aluminium	0.37	1/2	2800	1.0	1.27	4.30	-	2.0	-	2.4	65.7	66.7	63.2	0.84	0.00028	7	54	
QIE71M2B*	Aluminium	0.55	3/4	2800	1.4	1.87	5.00	-	2.2	-	2.5	67.7	68.7	66.1	0.85	0.00036	8	54	
4 pole 1500 rpm																			
QIE63M4A*	Aluminium	0.12	1/6	1365	0.5	0.84	2.8	-	2.0	-	2.3	52.8	52.6	49.2	0.65	0.00020	5	41	
QIE63M4B*	Aluminium	0.18	1/4	1380	0.7	1.25	3.2	-	2.2	-	2.4	59.9	59.4	52.9	0.62	0.00025	5	41	
QIE71M4A*	Aluminium	0.25	1/3	1390	0.9	1.72	3.5	-	2.2	-	2.4	62.9	62.4	58.5	0.67	0.00071	7	45	
QIE71M4B*	Aluminium	0.37	1/2	1390	1.2	2.54	4.0	-	2.3	-	2.6	65.5	65.3	61.2	0.69	0.00095	8	45	
QIE80M4A*	Aluminium	0.55	3/4	1400	1.6	3.75	4.0	-	2.1	-	2.3	69.2	70.2	65.9	0.73	0.00168	10	49	
6 pole 1000 rpm																			
QIE71M6A*	Aluminium	0.18	1/4	900	0.8	1.91	3.0	-	2.0	-	2.3	54.2	54.5	56.6	0.60	0.00068	8	12	
QIE71M6B*	Aluminium	0.25	1/3	910	0.95	2.63	3.1	-	2.0	-	2.3	60.1	60.5	58.3	0.63	0.00090	10	12	
QIE80M6A*	Aluminium	0.37	1/2	920	1.35	3.84	3.3	-	2.1	-	2.4	64.1	64.4	62.1	0.61	0.00160	11	49	
QIE80M6B*	Aluminium	0.55	3/4	920	1.85	5.71	3.2	-	2.1	-	2.5	67.0	67.4	64.6	0.65	0.00196	12	49	
8 pole 750 rpm																			
230/400V	QIE80M8A	Aluminium	0.18	1/4	650	1.7	2.6	2.2	-	1.5	-	1.7	51.9	52.2	49.7	0.53	0.00168	9	44
	QIE80M8B	Aluminium	0.25	1/3	675	2.0	3.5	2.2	-	1.5	-	1.7	57.4	55.4	55.7	0.55	0.00205	11	44
	QIE90S8A	Aluminium	0.37	1/2	680	2.8	5.2	2.9	-	1.9	-	2.3	59.9	57.6	57.9	0.56	0.00242	14	49
	QIE90L8A	Aluminium	0.55	3/4	690	3.8	7.6	3.0	-	1.9	-	2.2	61.5	59.0	59.3	0.59	0.00322	16	49
	QIE100L8A	Aluminium	0.75	1.0	700	4.3	10.2	3.5	-	1.8	-	2.2	70.3	67.5	67.9	0.62	0.00398	20	49
	QIE100L8B	Aluminium	1.1	1.5	685	5.9	15.3	3.5	-	1.8	-	2.2	72.5	70.0	69.5	0.64	0.00471	22	49
	QIE12M8A	Aluminium	1.5	2.0	700	7.8	20.5	3.7	-	1.9	-	2.3	73.7	71.2	70.9	0.65	0.00933	30	54
	QIE132S8B	Aluminium	2.2	3.0	710	11.3	29.6	1.3	4.0	0.6	1.7	2.2	75.5	73.3	73.6	0.65	0.02111	43	58
	QIE132M8A	Aluminium	3.0	4.0	710	14.3	40.3	1.4	4.5	0.6	1.7	2.2	75.2	72.6	71.8	0.69	0.02763	52	58
QIE160M8A	Aluminium	4.0	5.5	720	19.1	53.1	1.8	5.0	0.6	1.8	2.2	82.4	79.1	78.3	0.63	0.05612	76	60	
400/690V	QIE160M8B	Aluminium	5.5	7.5	720	16.8	72.9	1.7	5.0	0.6	1.8	2.2	81.4	79.8	79.4	0.58	0.05612	76	60
	QIE160L8A	Aluminium	7.5	10.0	720	19.7	99.5	1.7	5.0	0.6	1.9	2.2	82.0	80.1	79.9	0.67	0.07004	89	60
	QIE180L8B	Aluminium	11.0	15.0	720	25.4	145.9	1.8	5.5	0.7	2.1	2.6	85.0	83.0	82.8	0.74	0.12773	126	60
	QIE200L8C	Aluminium	15.0	20.0	725	31.0	197.6	1.7	5.5	0.7	2.2	2.8	88.6	86.5	86.3	0.79	0.25035	165	61
	QIE225S8A	Aluminium	18.5	25.0	725	44.3	243.7	1.8	5.5	0.6	2.0	2.5	89.0	87.5	87.6	0.68	0.36429	224	61
QIE225M8C	Aluminium	22.0	30.0	725	49.5	289.8	1.7	5.5	0.7	2.1	2.6	88.3	86.2	86.3	0.73	0.43513	256	61	

* According to IEC 60034-2-1

** The sound pressure measurements are taken 1m away from the motor

** Tolerance +3 dBA