



## ELECTRICAL CHARACTERISTICS AT 50 Hz

MOTOR TYPE	HOUSING TYPE	RATED VALUES						STARTING VALUES				Break-down Torque Mk / Mn	EFFICIENCY*			Cosφ	J kgm <sup>2</sup>	Weight [B3] kg	Sound Pressure Level dBA**
		POWER		SPEED rpm	CURRENT A	TORQUE Nm	CURRENT		TORQUE										
		kW	HP				I <sub>A</sub> / I <sub>N</sub>	λ	Δ	λ	Δ								
				4/4	3/4	2/4							4/4						
<b>2 poles 3000 rpm</b>																			
230/400 V	Q4E63M2B	Aluminium	0.18	1/4	2870	0.8	0.6	6.9	-	3.5	-	3.7	70.8	69.6	63.9	0.80	0.00025	5.2	52
	Q4E63M2C	Aluminium	0.25	1/3	2850	1.1	0.8	6.9	-	3.9	-	3.5	74.3	74.4	71.9	0.83	0.00028	6.0	53
	Q4E71M2B	Aluminium	0.37	1/2	2855	1.5	1.2	7.6	-	4.6	-	4.5	78.1	76.3	71.9	0.80	0.00056	7.0	52
	Q4E71M2C	Aluminium	0.55	3/4	2833	2.3	1.9	7.3	-	5.0	-	4.5	81.5	79.0	75.1	0.75	0.00067	7.5	54
	Q4H80M2D	Aluminium	0.75	1	2898	2.6	2.5	9.8	-	4.2	-	4.4	83.5	84.2	82.0	0.85	0.00170	11.8	57
	Q4H80M2DE	Aluminium	1.1	1.5	2915	4.1	3.6	12.0	-	6.1	-	5.8	85.2	83.7	80.6	0.80	0.00224	14.8	59
	Q4H90L2D	Aluminium	1.5	2	2947	5.3	4.9	13.6	-	4.6	-	6.0	86.5	86.6	83.4	0.80	0.00283	18.5	61
	Q4H90L2E	Aluminium	2.2	3	2925	7.3	7.2	11.4	-	3.8	-	4.7	88.0	89.2	88.1	0.84	0.00318	20.0	62
	Q4H100L2D	Aluminium	3	4	2943	11.2	9.8	12.9	-	4.9	-	6.2	89.1	86.3	82.9	0.77	0.00536	25.0	63
400/690 V	Q4H112M2D	Aluminium	4	5.5	2934	7.3	13.0	4.2	12.5	1.3	4.0	5.5	90.0	89.9	88.5	0.89	0.00741	34.6	66
	Q4H132S2D	Aluminium	5.5	7.5	2946	10.7	18.0	3.9	11.8	1.3	3.8	6.0	90.9	89.9	88.2	0.82	0.02948	53.2	69
	Q4H132S2DE	Aluminium	7.5	10	2937	14.1	24.5	3.4	10.3	1.3	3.8	5.1	91.7	91.3	90.1	0.85	0.03326	58.5	70
	Q4H160M2D	Aluminium	11	15	2975	21.6	35.1	4.7	14.0	1.6	4.8	7.0	92.6	92.3	90.3	0.78	0.04117	88.0	73
	Q4H160M2DE	Aluminium	15	20	2968	28.7	48.8	4.2	12.6	1.4	4.1	6.1	93.3	93.1	91.9	0.82	0.04578	95.0	74
	Q4H160L2D	Aluminium	18.5	25	2969	35.6	59.7	4.4	13.3	1.5	4.5	6.5	93.7	93.4	92.4	0.80	0.05575	105.5	74
	Q4H180M2B	Aluminium	22	30	2970	37.6	71.0	4.3	13.0	1.3	3.9	5.2	94.0	94.0	93.1	0.90	0.09831	142.8	75
	Q4H200L2D	Aluminium	30	40	2970	51.3	96.9	4.0	12.1	1.3	3.8	5.0	94.5	94.1	93.1	0.90	0.11383	166.0	76
	Q4H200L2E	Aluminium	37	50	2973	63.4	118.9	4.4	13.3	1.3	3.9	6.8	94.8	94.7	93.9	0.89	0.14770	200.0	76
	Q4H225M2D	Aluminium	45	65	2967	76.9	145.4	3.3	10.0	0.8	2.3	4.8	95.0	94.9	94.2	0.90	0.23500	240.0	80
	Q4HG250M2D	Cast Iron	55	75	2980	91.4	117.1	3.8	11.4	0.9	2.8	5.8	95.3	94.7	93.7	0.91	0.54000	537.0	78
Q4HG280M2C	Cast Iron	75	100	2980	122.7	241.4	4.0	12.0	1.2	3.7	8.7	95.6	95.4	94.6	0.93	0.64500	656.0	80	
Q4HG280M2D	Cast Iron	90	125	2987	158.6	287.5	4.2	12.5	1.2	3.5	4.8	95.8	94.3	92.8	0.86	0.70200	660.0	80	
<b>4 poles 1500 rpm</b>																			
230/400 V	Q4E63M4B	Aluminium	0.12	1/6	1410	0.7	0.8	4.2	-	3.1	-	3.3	69.8	64.6	57.9	0.64	0.00026	4.7	41
	Q4E63M4C	Aluminium	0.18	1/4	1420	1.0	1.2	6.0	-	4.3	-	4.2	74.7	72.8	67.0	0.61	0.00030	5.7	43
	Q4E71M4B	Aluminium	0.25	1/3	1443	1.3	1.7	5.6	-	3.2	-	3.6	77.9	73.5	67.8	0.64	0.00085	7.0	44
	Q4E71M4C	Aluminium	0.37	1/2	1438	1.7	2.4	6.2	-	3.7	-	3.9	81.1	77.9	73.7	0.67	0.00119	9.3	45
	Q4H80M4D	Aluminium	0.55	3/4	1463	2.4	3.6	8.1	-	3.7	-	4.6	83.9	81.5	77.7	0.71	0.00261	11.7	52
	Q4H80M4E	Aluminium	0.75	1	1453	2.9	4.9	8.0	-	3.5	-	4.2	85.7	83.9	81.1	0.76	0.00306	13.9	52
	Q4H90L4D	Aluminium	1.1	1.5	1461	5.0	7.2	8.7	-	5	-	5.4	87.2	85.5	81.5	0.64	0.00526	20.0	51
	Q4H90L4DE	Aluminium	1.5	2	1460	6.1	9.8	10.8	-	5.4	-	5.9	88.2	86.7	83.4	0.71	0.00691	24.5	54
	Q4H100L4D	Aluminium	2.2	3	1462	8.6	14.4	9.6	-	4	-	5.0	89.5	88.0	85.5	0.72	0.01059	29.8	56
Q4H100L4E	Aluminium	3	4	1453	6.4	19.7	8.6	-	3.3	-	4.1	90.4	89.4	87.9	0.76	0.01094	31.6	56	
400/690 V	Q4H112M4E	Aluminium	4	5.5	1452	8.3	26.4	3.1	9.4	1.3	3.8	4.5	91.1	90.4	89.7	0.78	0.01527	40.0	57
	Q4H132S4C	Aluminium	5.5	7.5	1478	12.0	35.6	3.4	10.1	1.2	3.5	5.1	91.9	91.2	89.9	0.73	0.03847	57.5	60
	Q4H132M4DE	Aluminium	7.5	10	1473	14.6	48.6	3.4	10.1	0.7	2.0	4.5	92.6	92.0	91.1	0.81	0.05441	78.0	61
	Q4H160M4D	Aluminium	11	15	1479	22.7	71.1	2.7	8.0	1.0	3.1	3.6	93.3	93.0	92.2	0.75	0.09146	99.5	62
	Q4H160L4C	Aluminium	15	20	1478	33.7	97.0	2.6	7.7	1.1	3.3	4.0	93.9	93.1	92.1	0.69	0.10513	116.0	63
	Q4H180L4B	Aluminium	18.5	25	1484	36.0	119.3	3.3	10.0	1.0	3.0	3.9	94.2	94.1	93.8	0.79	0.11398	154.0	67
	Q4H180L4C	Aluminium	22	30	1487	44.7	141.5	3.5	10.5	1.1	3.2	4.6	94.5	94.0	92.8	0.76	0.22166	182.0	67
	Q4H225M4D	Aluminium	37	50	1485	68.8	237.8	3.1	9.2	1.0	3.1	5.1	95.2	94.9	94.3	0.82	0.36400	246.0	71
	Q4H225M4E	Aluminium	45	65	1482	88.5	290.1	2.9	8.6	1.0	3.1	5.0	95.4	94.9	94.4	0.78	0.43500	270.0	71
Q4HG250M4E	Cast Iron	55	75	1492	107.7	352.2	2.9	8.7	0.9	2.7	3.3	95.7	95.0	94.1	0.77	0.90800	531.0	72	

\* According to IEC 60034-2-1

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

\*\* Tolerance +3 dBA