



GE INDUSTRIAL MOTORS
a **WOLONG** company

Quantum[®] LMV

MV Induction Motor

NEMA 500 Frame up to 800 HP
2300/4000V
2,4,6 Pole

GE Experience

The Quantum* LMV-TEFC incorporates GE's long history of building reliable motors with the latest technology. The ratings listed in this publication meet NEMA Premium[®] efficiencies and comply with the Energy Independence & Security Act.

Industries & Applications

Quantum LMV motors are commonly used in the petrochemical, power generation, mining, and general process industries for various applications, including pumps, blowers, compressors, crushers, and conveyors.

Reliability is Key

- The Quantum design possesses the following notable features and benefits:
- Meets or exceeds NEMA Premium[®] efficiency levels providing for lower operating cost and lower environmental impact.
- Low vibration levels which provides for maximum bearing life.
- Cast iron Frame and End Shields
- Ground in conduit box and ground pad on frame
- Low noise levels
< 88 dBA@ 3600 RPM
< 85 dBA or less@ 1800 and 1200 RPM
- Internal cooling circuit that eliminates hot spots, lowers stator and bearing temperatures, providing increased motor life.
- Dual mounting holes for greater frame flexibility.



Quantum Severe Duty Medium Voltage

- < 115V space heaters
- < Qty (6) 100 Ohm platinum winding RTD's
- < Qty (2) 100 Ohm platinum bearing RTD's
- < Accessory conduit box for heater and winding RTD leads
- < (L) frame models standard with roller bearing and high strength shaft material
- < 3 year warranty
- < Re-rate options available

Quantum IEEE 841 Medium Voltage

- < Features per IEEE 841 Std. 2009
- < Dual Inpro/Seal Bearing Isolators
- < 115V space heaters
- < Qty (6) 100 Ohm platinum winding RTD's
- < Qty (2) 100 Ohm platinum bearing RTD's
- < Accessory conduit box for heater and winding RTD leads
- < (L) frame models standard with roller bearing and high strength shaft material
- < 5 year warranty
- < Re-rate options available



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A wide range of standard motors.

Quantum Severe Duty Medium Voltage Pricing

Type	Hp	RPM	Volts	Frame	FLA	Nom Eff.	Cat. No.	Current List	Model No.	Price Symbol	Wt. (lbs)	C Dim. (in.)	Notes
SD MV	250	3600	2300/4000	509LS	53.0/30.5	95.0	Q550	\$28,336	5KS509SAA122	G4-7U5MV	4500	66.13	66
SD MV	250	1800	2300/4000	509L	55.3/31.8	95.0	Q5031	\$28,625	5KS509SAA269	G4-7U5MV	4350	72.38	148
SD MV	300	1800	2300/4000	509L	66.1/38	95.0	Q5032	\$30,692	5KS509SAA270	G4-7U5MV	4550	72.38	148
SD MV	300	1200	2300/4000	5011L	68.5/39.4	95.4	Q516	\$36,021	5KS511SAA338	G4-7U5MV	5400	80.39	148
SD MV	300	1200	2300/4000	5011LL	70.1/40.3	95.4	Q536	\$35,521	5KS511SAA358	G4-7U5MV	5400	75.14	
SD MV	350	3600	2300/4000	5011LS	73.4/42.4	95.0	Q552	\$36,588	5KS511SAA167	G4-7U5MV	4950	74.14	66
SD MV	350	1800	2300/4000	5011L	77.6/44.6	95.4	Q5033	\$36,802	5KS511SAA2008	G4-7U5MV	5200	80.39	148
SD MV	350	1200	2300/4000	5011L	80.2/46.1	95.0	Q517	\$40,554	5KS511SAA339	G4-7U5MV	5500	80.39	148
SD MV	400	1800	2300/4000	5011L	87.7/50.4	95.4	Q5034	\$38,616	5KS511SAA2009	G4-7U5MV	5800	80.39	148
SD MV	400	1800	2300/4000	5011LL	87.7/50.4	95.4	Q510	\$38,116	5KS511SAA245	G4-7U5MV	5800	75.14	
SD MV	450	3600	2300/4000	5011LS	93.4/53.7	95.4	Q554	\$44,106	5KS511SAA169	G4-7U5MV	5550	74.14	66
SD MV	450	1800	2300/4000	5011L	98.3/56.5	95.8	Q5035	\$40,522	5KS511SAA2010	G4-7U5MV	5800	80.39	148
SD MV	450	1800	2300/4000	5011LL	98.3/56.5	95.8	Q511	\$40,022	5KS511SAA276	G4-7U5MV	5800	75.14	
SD MV	500	1800	2300/4000	5013S	109.4/62.9	95.8	Q512	\$46,369	5KS513SAA226	G4-7U5MV	7000	85.13	
SD MV	500	1200	2300/4000	5013S	114.6/65.9	96.2	Q520	\$53,559	5KS513SAA327	G4-7U5MV	7150	85.13	
SD MV	600	3600	2300/4000	5013ST	124.0/71.3	95.8	Q556	\$55,057	5KS513SAA144	G4-7U5MV	6700	83.13	66, 149
SD MV	600	1800	2300/4000	5013S	130.4/75	96.2	Q513	\$53,730	5KS513SAA227	G4-7U5MV	7150	85.13	

Quantum IEEE 841 Medium Voltage Pricing

Type	HP	RPM	Volts	Frame	FLA	Nom Eff.	Cat No.	Current List	Model No.	Price Symbol	Wt (lbs)	C Dim. (in.)	Notes
841 MV	250	1200	2300/4000	509LL	58.6/32.2	95.0	Q882	\$37,997	5KS509XAA352	G4-7U5XMV	4475	67.13	112
841 MV	250	1200	2300/4000	509L	58.6/32.2	95.0	Q883	\$38,497	5KS509XAA353	G4-7U5XMV	4475	72.38	112, 148
841 MV	300	1800	2300/4000	509LL	66.8/38.4	95.0	Q884	\$37,142	5KS509XAA256	G4-7U5XMV	4550	67.13	112
841 MV	300	1200	2300/4000	5011LL	70.1/40.3	95.4	Q886	\$42,715	5KS511XAA356	G4-7U5XMV	5400	75.14	112
841 MV	300	1200	2300/4000	5011L	70.1/40.3	95.4	Q887	\$43,215	5KS511XAA357	G4-7U5XMV	5400	80.39	148
841 MV	350	1800	2300/4000	5011LL	73.7/44.1	95.4	Q888	\$44,183	5KS511XAA247	G4-7U5XMV	5200	75.14	112
841 MV	350	1200	2300/4000	5011LL	80.2/46.1	95.0	Q890	\$47,935	5KS511XAA358	G4-7U5XMV	5500	75.14	112
841 MV	350	1200	2300/4000	5011L	80.2/46.1	95.0	Q891	\$48,435	5KS511XAA359	G4-7U5XMV	5500	80.39	148
841 MV	400	1800	2300/4000	5011LL	87.7/50.4	95.4	Q892	\$45,997	5KS511XAA249	G4-7U5XMV	5800	75.14	112
841 MV	400	1200	2300/4000	5011LL	81.9/52.8	95.4	Q894	\$50,653	5KS511XAA360	G4-7U5XMV	5700	75.14	112
841 MV	400	1200	2300/4000	5011L	81.9/52.8	95.4	Q895	\$51,153	5KS511XAA361	G4-7U5XMV	5700	80.39	148
841 MV	500	1800	2300/4000	5013S	109.3/62.8	95.8	Q8000	\$54,250	5KS513XAA232	G4-7U5XMV	7000	85.13	112
841 MV	500	1200	2300/4000	5013S	113.3/65.1	96.2	Q8002	\$59,907	5KS513XAA328	G4-7U5XMV	7150	85.13	112



All Motors are **NOT** Built The Same



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