

### TEFC 3 Ph. Slip-ring Induction Motors Crane & Hoist Duty Fr. 100L To 160L

Voltage : 415V ± 10%  
 Frequency : 50Hz ± 5%  
 Combined Variation : ± 10%

Ambient : 45°C  
 Duty : S3/S4/S5

Ins. Class Stator/Rotor : F/F  
 Temp. Rise Stator/Rotor : B/F  
 Protection : IP55

Table-2 A

1500 rpm (4-pole)

	Frame size IEC	Type Ref. B3 Construction	25% CDF					40% CDF					60% CDF					Rotor O.C.V.	Gd <sup>2</sup> Rotor	Kgm <sup>2</sup> Load	Wt. Of motor Kg.
			kW	RPM	Pullout Torque to Rated Torque Ratio	Line Amps		kW	RPM	Pullout Torque to Rated Torque Ratio	Line Amps		kW	RPM	Pullout Torque to Rated Torque Ratio	Line Amps					
						Stator	Rotor				Stator	Rotor				Stator	Rotor				
60 stars per hour	100L	MP10L413	1.8	1200	1.85	4.7	23.5	1.5	1280	2.3	4.0	18	1.3	1320	2.8	3.7	14.5	70	0.03	0.08	37
	100L	MP10L433	2.5	1200	1.85	6.6	26.0	2.5	1200	1.85	6.6	26	2.2	1255	2.2	5.7	21.0	85	0.035	0.09	40
	112M	MP11M413	4.1	1200	2.0	10.5	32.0	3.6	1290	2.4	9.3	25.8	3.1	1325	2.9	8.2	20.7	110	0.48	0.12	58
	112M	MP11M433	5.0	1300	2.2	11.2	27.2	4.0	1340	2.7	9.7	20.9	3.6	1370	3.3	8.6	18.7	140	0.056	0.14	61
	132M	MP13M413	6.0	1300	2.0	14.7	33.0	5.7	1310	2.1	13.4	31.3	5.0	1350	2.4	11.4	27.2	130	0.090	0.22	90
	132M	MP13M463	8.3	1365	2.0	18.5	32.3	7.5	1375	2.2	17	29.0	6.4	1410	2.6	14.6	23.7	180	0.14	0.35	94
150 stars per hour	100L	MP10L413	1.7	1240	2.0	4.5	21.5	1.4	1300	2.6	3.9	16.5	1.3	1320	2.8	3.7	14.5	70	0.03	0.08	37
	100L	MP10L433	2.5	1200	1.85	6.6	26.0	2.4	1220	2.0	6.3	24.0	2.1	1265	2.3	5.4	20.0	85	0.035	0.09	40
	112M	MP11M413	4.1	1200	2.0	10.5	32.0	3.5	1295	2.5	9.0	24.5	3.0	1330	3.0	8.1	20.0	110	0.048	0.12	58
	112M	MP11M433	4.7	1315	2.4	10.6	24.6	4.0	1350	2.9	9.4	19.5	3.5	1375	3.4	8.4	18.5	140	0.056	0.14	61
	132M	MP13M413	6.0	1300	2.0	14.7	33.0	5.4	1325	2.2	12.3	29.4	4.7	1365	2.6	10.8	25.6	130	0.09	0.22	90
	132M	MP13M463	7.2	1390	2.3	16.2	27.5	6.3	1415	2.7	14.4	23.3	5.6	1420	3.0	13.4	20.3	180	0.14	0.35	94
300 stars per hour	100L	MP10L413	1.6	1260	2.2	4.3	20.0	1.3	1320	2.8	3.7	14.5	1.2	1340	3.1	3.6	13.5	70	0.03	0.08	37
	100L	MP10L433	2.5	1200	1.85	6.6	26.0	2.3	1240	2.1	6.0	22.5	2.6	1280	2.5	5.1	18.5	85	0.035	0.09	40
	112M	MP11M413	3.9	1250	2.2	9.9	29.4	3.3	1310	2.7	8.5	22.0	2.8	1345	3.3	7.8	18.3	110	0.048	0.12	58
	112M	MP11M433	4.1	1345	2.8	9.6	20.2	3.5	1375	3.4	8.4	18.5	3.2	1385	3.7	8.2	16.7	140	0.056	0.14	61
	132M	MP13M413	5.5	1320	2.2	12.5	30.0	4.8	1360	2.6	11.0	26.1	4.3	1390	2.9	9.9	23.0	130	0.09	0.22	90
	132M	MP13M463	5.5	1420	3.1	13.2	20.0	5.0	1430	3.4	10.9	18.2	4.5	1435	3.8	10.3	16.4	180	0.14	0.35	94