

PERFORMANCE DATA SHEET EPACT NR CAN NEMA 12 - 11

Catalogue #: **JMQ-41**

HP	kW	Voltage	S.F. @ 60Hz	EFF.	P.F.	Frame	Design	L.R. Amps
20	14.92	230/460	1.15	90.2%	0.87	256JM	B	145

60 Hz								
FLA							Code	F.L. RPM
208	230	416	460	480	575	600		
48.5	45	24.25	22.5	21.5	/	/	G	3520

50 Hz								
FLA			S.F. @ 50Hz		Efficiency	Power Factor	Code	F.L. RPM
190	380	415						
58.0	29	26.6	1.00		89.0%	0.88	F	2900

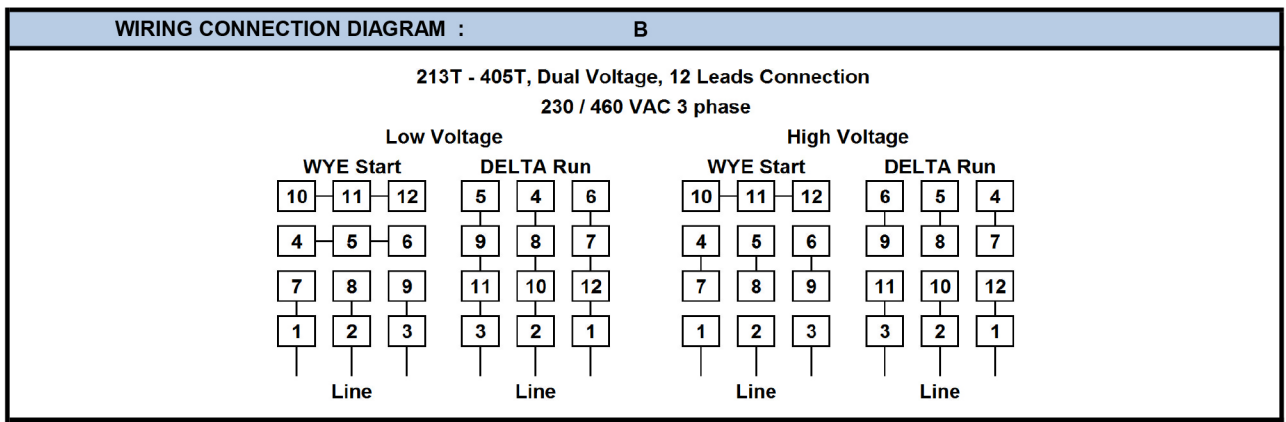
Wgt. Lbs	PH	Duty	Insul. Class	Amb.	Elevation	Temp. Rise° C
304	3	Cont.	F	40°C	1000M (3300 Ft)	68

% Efficiency		% Power Factor		Torque		Winding Resist. Ω	Safe Cold Start (Secs)
Full Load:	90.2%	Full Load:	0.87	Full Load Ft/Lbs	29.8		
3/4 Load:	90.5%	3/4 Load:	0.84	Locked Rotor %	200		
1/2 Load:	90.1%	1/2 Load:	0.80	Break Down %	270	0.66	20

Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Enclosure	NEMA Rating	Lead Wire Size
1.07	29.4	Standard	Cast Iron	Standard	Standard	TEFC	IP55	12AWG

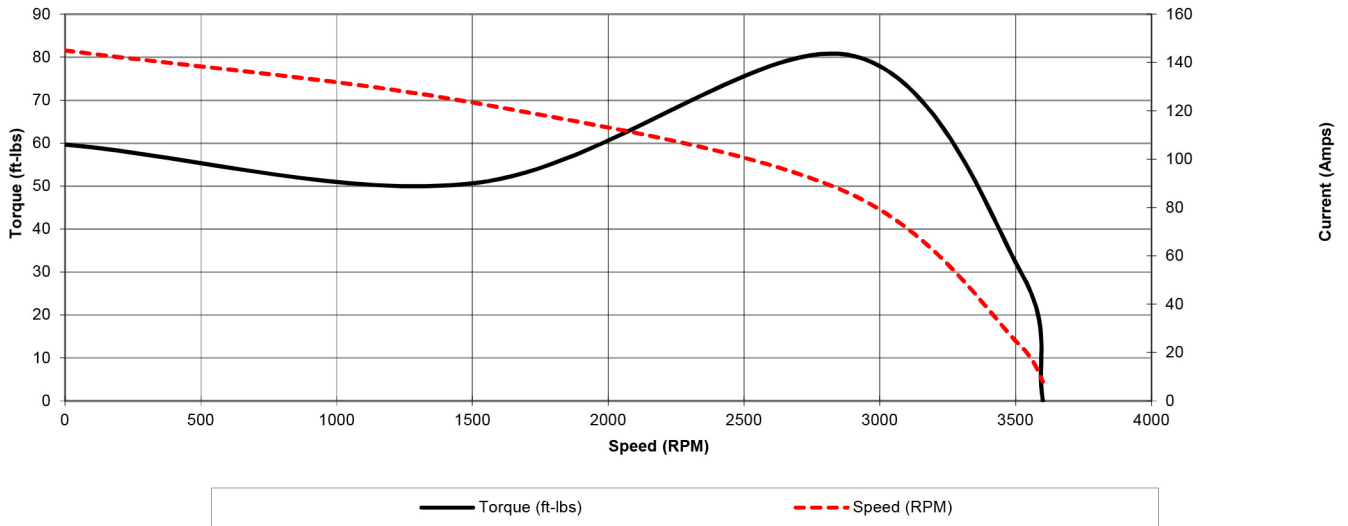
Ball Bearings		Grease	Mount Type	Orientation	Paint	Sound Pressure @ 3FT	Sound Power
DE	ODE						
6309	6309	Mobil PolyrexEm	Rigid	Horizontal	Blue	84	94

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range	Constant HP RPM
	2:1	10:1	5400

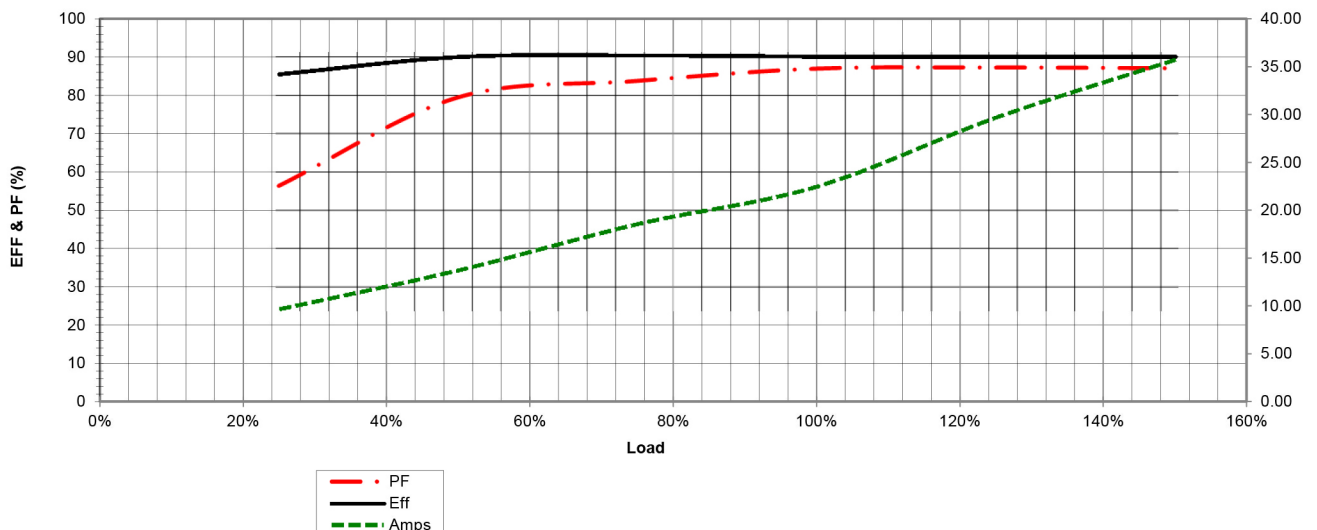


EPACT NR CAN NEMA 12 - 11										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
20	460	3520	TEFC	256JM	60	B	2	G	F	68
Load %	0%	25%	50%	75%	100%	125%	150%			
Amps	8.00	9.70	13.76	18.60	22.50	29.73	35.75			
Torq ft/lbs	0	7.38	14.83	22.39	30.09	37.87	45.88			
RPM	0	3580	3560	3540	3520	3500	3480			
Eff	0	85.58	90.10	90.50	90.20	90.20	90.20			
PF	0	56.4	79.5	83.8	87	87.3	87.1			
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1512	2880	3520	3600	Continuous	1.15	40°C	3,300 ft	84
Current (Amps)	145	123.3	86.3	22.5	8	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	59.68	50.73	80.57	29.84	0.0	C.T.	2:1	V.T.	10:1	

Motor Speed Data



Motor Load Data



EPACT NR CAN NEMA 12 - 11										
HP	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Code Letter	Insulation Class	Temp. Rise °C
20	460	3520	TEFC	256JM	60	B	2	G	F	68
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
RPM	0	352	880	1760	2640	3520	4400	5280	6160	7040
Torq ft.lb	23.87	23.87	29.84	29.84	29.84	29.84	23.87	19.89	17.05	14.92
Peak Tq ft.lb	35.06	70.13	70.13	70.13	70.13	70.13	56.10	46.75	40.07	35.06
HP	0	1.6	5.0	10.0	15.0	20.0	20.0	20.0	20.0	20.0
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0.0	1512	2880	3520	3600	Continuous	1.15	40°C	3,300 ft	84
Current (Amps)	145.0	123.3	86.3	22.5	8.0	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	59.7	50.7	80.6	29.8	0.0	C.T.	2:1	V.T.	10:1	

