

## MOTOR PERFORMANCE

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME	
FH10	HVW10V2E6	3	CTNI	215T	
ORDER NO.		23706	LINE NO.		
MPI:		193101	193102	193103	193104
HP:		10	10	10	10
POLES:		4	4	4	4
VOLTS:		460	230	380	190
HZ:		60	60	50	50
SERVICE FACTOR:		1.15	1.15	1	1
EFFICIENCY (%):					
	S.F.	90.9	90.9		
	FULL	91.7	91.7	88.9	88.9
	3/4	92.9	92.9	91.6	91.6
	1/2	92.8	92.8	92.7	92.7
	1/4	89.6	89.6	91	91
POWER FACTOR (%):					
	S.F.	86.4	86.4		
	FULL	85.7	85.7	86.8	86.8
	3/4	82.7	82.7	85.2	85.2
	1/2	75.6	75.6	80	80
	1/4	55.3	55.3	62.3	62.3
	NO LOAD	5.8	5.8	5.5	5.5
	LOCKED ROTOR	44.4	44.4	46.6	46.6
AMPS:					
	S.F.	13.7	27.4		
	FULL	11.9	23.8	14.7	29.5
	3/4	9.1	18.3	10.9	21.8
	1/2	6.7	13.3	7.6	15.3
	1/4	4.7	9.4	5	10
	NO LOAD	3.9	7.8	3.8	7.6
	LOCKED ROTOR	77	155	73	145
NEMA CODE LETTER		G	G	E	E
NEMA DESIGN LETTER		B	B	B	B
FULL LOAD RPM		1760	1760	1445	1445
NEMA NOMINAL / EFFICIENCY (%)		91.7	91.7	88.9	88.9
GUARANTEED EFFICIENCY (%)		90.2	90.2	86.5	86.5
MAX KVAR		2.6	2.6	2.1	2.1
AMBIENT (°C)		40	40	40	40
ALTITUDE (FASL)		3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)		23	23	27	27
SOUND PRESSURE (DBA @ 1M)		0	0	0	0
TORQUES:					
	BREAKDOWN{% F.L.}	288	288	227	227
	LOCKED ROTOR{% F.L.}	225	225	173	173
	FULL LOAD{LB-FT}	29.8	29.8	36.4	36.4

NEMA Nominal and Guaranteed Efficiencies are up to 3,300 feet above sea level and 25 ° C ambient

The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

**NIDEC MOTOR CORPORATION**  
ST. LOUIS, MO



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