

MOTOR PERFORMANCE

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME
FH54	HW20V2E2	3	CTI	256T

ORDER NO.	23747	LINE NO.
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MPI:	62342	62343	65673	65674
HP:	20	20	20	20
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.	92.5	92.5		
FULL	93	93	90.8	90.8
3/4	94.2	94.2	93.1	93.1
1/2	94.1	94.1	94.1	94.1
1/4	91.6	91.6	92.9	92.9
POWER FACTOR (%):				
S.F.	85	85		
FULL	84.9	84.9	85.1	85.1
3/4	83.1	83.1	84.9	84.9
1/2	76.9	76.9	80.9	80.9
1/4	58.5	58.5	65	65
NO LOAD	5.2	5.2	4.9	4.9
LOCKED ROTOR	44.2	44.2	45.4	45.4
AMPS:				
S.F.	27.4	55		
FULL	23.7	47	29.5	59
3/4	17.9	36	21.5	43
1/2	12.9	25.9	14.9	29.8
1/4	8.7	17.5	9.4	18.8
NO LOAD	6.8	13.7	6.7	13.4
LOCKED ROTOR	140	280	129	258
NEMA CODE LETTER	G	G	D	D
NEMA DESIGN LETTER	B	B	B	B
FULL LOAD RPM	1770	1770	1460	1460
NEMA NOMINAL / EFFICIENCY (%)	93	93	90.8	90.8
GUARANTEED EFFICIENCY (%)	91.7	91.7	88.5	88.5
MAX KVAR	4.6	4.6	3.7	3.7
AMBIENT (°C)	40	40	40	40
ALTITUDE (FASL)	3300	3300	3300	3300
SAFE STALL TIME-HOT (SEC)	30	30	30	30
SOUND PRESSURE (DBA @ 1M)	0	0	63	63
TORQUES:				
BREAKDOWN{% F.L.}	232	232	184	184
LOCKED ROTOR{% F.L.}	229	229	172	172
FULL LOAD{LB-FT}	59.3	59.3	72	72

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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