

Technical Documentation

HT5004R
MAX-HT | AEHHGD

Date: July 1, 2021

	
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Technical Data Sheet

Motor Type: AEHHGD	Catalogue No: HT5004R
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Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
500	4	1790	5808C	460	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
TEFC	F	1.15	Continuous	A	-40 to 40 °C	<1000 m

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
96.20	95.40	96.00	95.30	86.60	82.10	71.20
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
1467.37	200	160	250	203.0	562.0	4321.00
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	
H	275.000	1906.09	2538.00	27	21	

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
			0		

Hazardous Locations Information

Temp Code (Sinewave / VFD)	/
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Additional Certifications

Other Certification

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
NU326C3	6322	5560

Nameplate Drawing

MAX-HT

TYPE	AEHHGD	CAT. NO.	HT5004R		
OUTPUT	500 HP kW	FRAME	5808C	TEFC	
R.P.M.	1790	POLE	4	INS.	F
VOLTS	460	PHASE	3	Hz	60
AMPS	562.0	CODE	H	S.F.	1.15
AMBIENT	40 °C	NOM. EFF. 96.20		MIN. EFF. 95.40	
BEARINGS	NU326C3 / 6322			RATING Cont.	
SER. NO.	TBD	DESIGN	A	WT. 5560 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	