

AmeriMex 1350HP, 460Volt Motor Data

Motor Data Sheet

	Value	Units
Base Frequency	40	Hz
Base Voltage	460	Volts
Full Load Current	1610	Amps
Nominal Power	1350 (1007)	HP (kW)
Nominal Speed	784	RPM
Full Load Power Factor	0.85	
Number of Poles	6	
Maximum Speed	2200	RPM
Nominal Torque	9,042	Ft-Lb
Maximum Torque	22,604	Ft-Lb
No Load Current	349	A
Stator Resistance	2.79	mΩ
Stator Inductance	.17	mH
(Reactance at 40 Hz)	43.0	mΩ
Magnetizing Inductance	3.02	mH
(Reactance at 40 Hz)	759	mΩ
Rotor Resistance	2.92	mΩ (20 C)
Rotor Inductance	.11	mH
(Reactance at 40 Hz)	27.7	mΩ

Motor Nameplate

Model Number: AMD1350.460

Serial Number:

Poles: 6

Enclosure: IP44

Insulation: H

Voltage: 460V

Base Frequency: 40 Hz

Full Load Current: 1610A

No Load Current: 349A

Max Speed: 2200 RPM

PE Bearing: S6330

OPE Bearing: NU332

Frequency	Power	Speed	Torque	Current
20	675 hp	392 rpm	9042 ft-lbs	1610 A
40	1350 hp	784 rpm	9042 ft-lbs	1610 A
60	1350 hp	1176 rpm	6030 ft-lbs	1610 A
80	1350 hp	1568 rpm	4523 ft-lbs	1610 A

Stator Impedance: $L_s = .17 \text{ mH}$

$R_s (20C) = 2.79 \text{ m}\Omega$

Rotor Impedance: $L_r = .11 \text{ mH}$

$R_r (20C) = 2.92 \text{ m}\Omega$

Mutual Inductance: $L_m = 3.02 \text{ mH}$