

AmeriMex 1150HP, 550Volt Motor Data

Motor Data Sheet

	Value	Units
Base Frequency	40	Hz
Base Voltage	550	Volts
Full Load Current	1095	Amps
Nominal Power	1150 (858)	HP (kW)
Nominal Speed	792	RPM
Full Load Power Factor	0.84	
Number of Poles	6	
Maximum Speed	2200	RPM
Nominal Torque	7,645	Ft-Lb
Maximum Torque	19,061	Ft-Lb
No Load Current	349	A
Stator Resistance	2.45	m Ω
Stator Inductance	.15	mH
(Reactance at 40 Hz)	37.8	m Ω
Magnetizing Inductance	3.02	mH
(Reactance at 40 Hz)	759	m Ω
Rotor Resistance	2.92	m Ω (20 C)
Rotor Inductance	.11	mH
(Reactance at 40 Hz)	27.7	m Ω

Motor Nameplate

Model Number: AMD1150.550

Serial Number:

Poles: 6

Enclosure: IP44

Insulation: H

Voltage: 550V

Base Frequency: 40 Hz

Full Load Current: 1095A

No Load Current: 349A

Max Speed: 2200 RPM

PE Bearing: S6330

OPE Bearing: NU332

Frequency	Power	Speed	Torque	Current
20	575 hp	396 rpm	7628 ft-lbs	1095 A
40	1150 hp	792 rpm	7628 ft-lbs	1095 A
60	1150 hp	1187 rpm	5087 ft-lbs	1095 A
80	1150 hp	1583 rpm	3816 ft-lbs	1095 A

Stator Impedance: $L_s = .15 \text{ mH}$

$R_s (20C) = 2.45 \text{ m}\Omega$

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

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

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