

BENSHAW
ADVANCED CONTROLS & DRIVES

Motor Starting Analysis Program

Version: 830000-11-00

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Project : ters

Customer :

Company :

Phone :

Fax :

Email :

Motor Ratings

Motor Horsepower : 4692 hp

Motor Speed : 1500 rpm

Motor Voltage : 6000 Vac

Motor Current : 385 Amps

Motor WK² : 2500 lb-ft²

Load Ratings

Load WK² : 66000 lb-ft²

Load Speed : 1500 rpm

Max. Torque : 7000 lb-ft

Current Ramp Settings

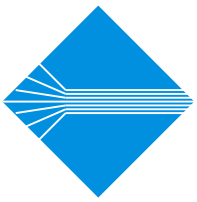
Initial Current : 250 (% FLA)

Maximum Current : 350 (% FLA)

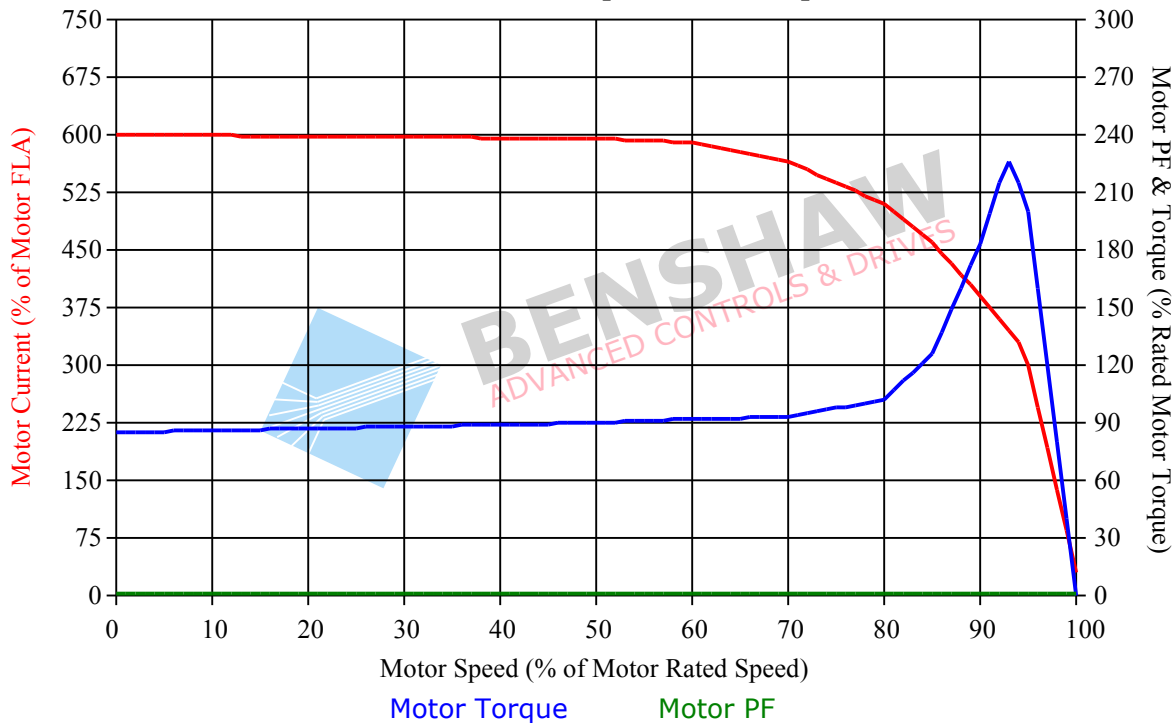
Ramp Time : 10 seconds

Kick Current : 600 (% FLA)

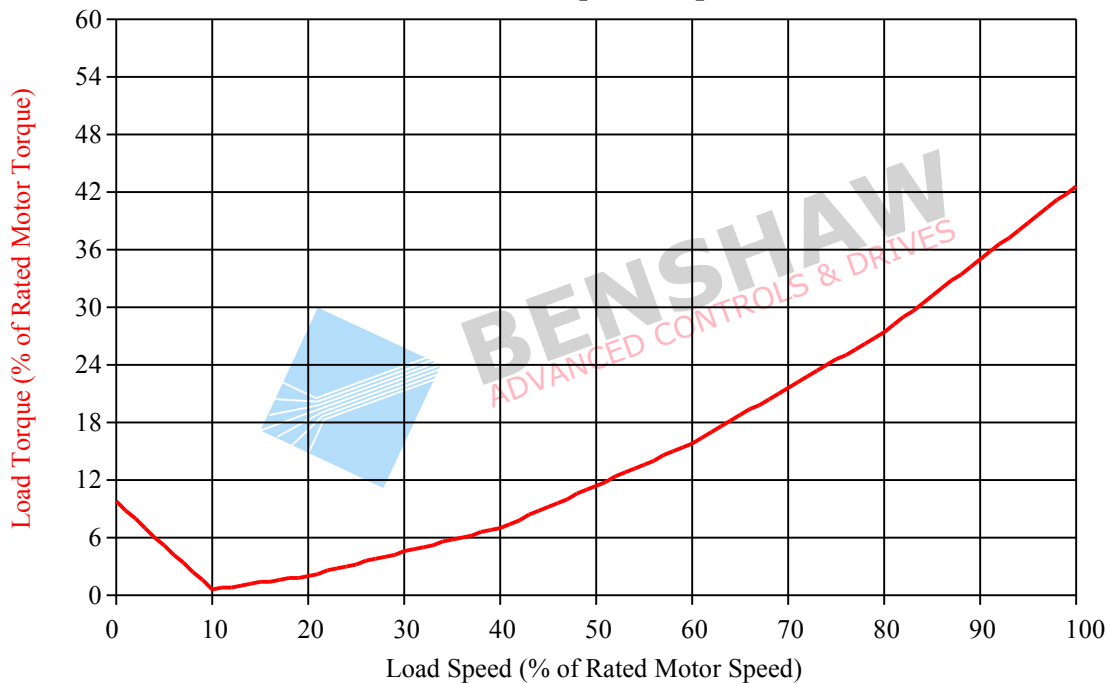
Kick Time : 0 seconds

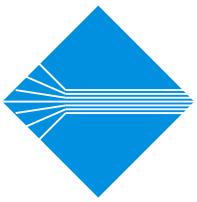


Motor Current, Torque & PF vs. Speed

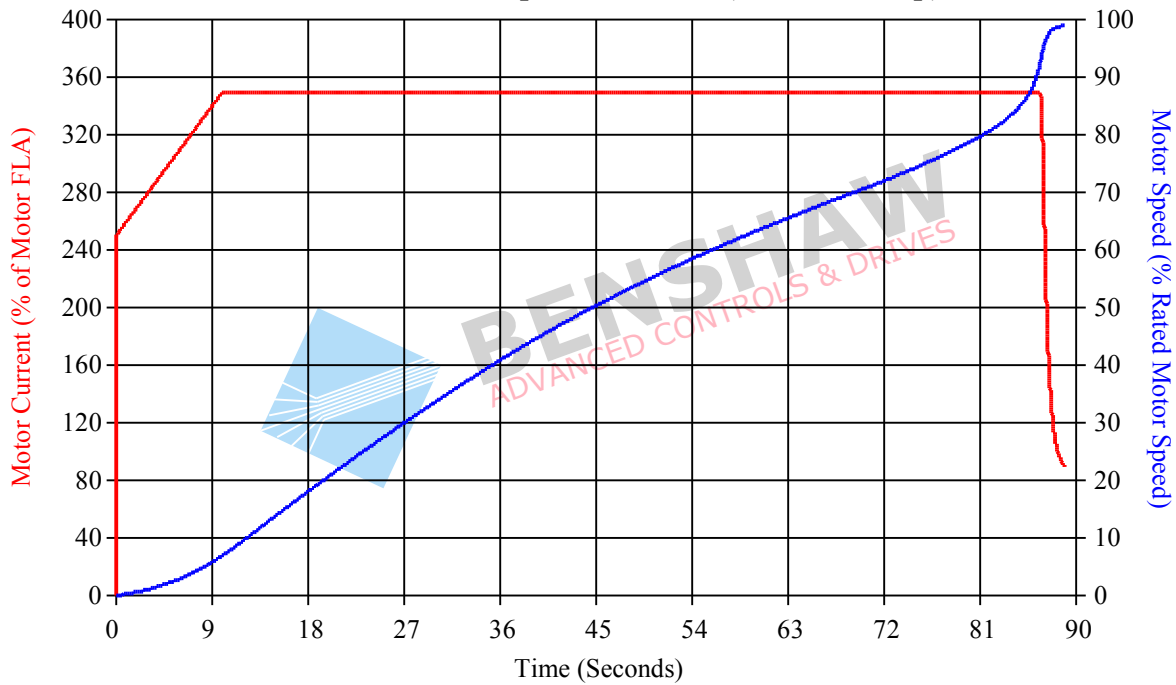


Load Torque vs. Speed





Motor Current & Speed vs. Time (Current Ramp)



Acceleration Time = 88.97s

Equivalent Locked Rotor Time = 28.82s