

BENSHAW
ADVANCED CONTROLS & DRIVES

Motor Starting Analysis Program

Version: 830000-11-00

To the maximum extent permitted by applicable law, this software is provided by Benshaw Inc. 'as is' without any condition or warranty whatsoever. All conditions and warranties, whether express or implied, are disclaimed by Benshaw Inc., including, without limitation, the implied conditions and/or warranties of merchantability, title, non-infringement, accuracy and fitness for a particular purpose. Benshaw Inc. shall not be liable for any direct, indirect, incidental, consequential, special or other damages including cost of substitute goods or services.

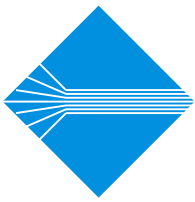
Project :
Customer :
Company :
Phone :
Fax :
Email :

Motor Ratings

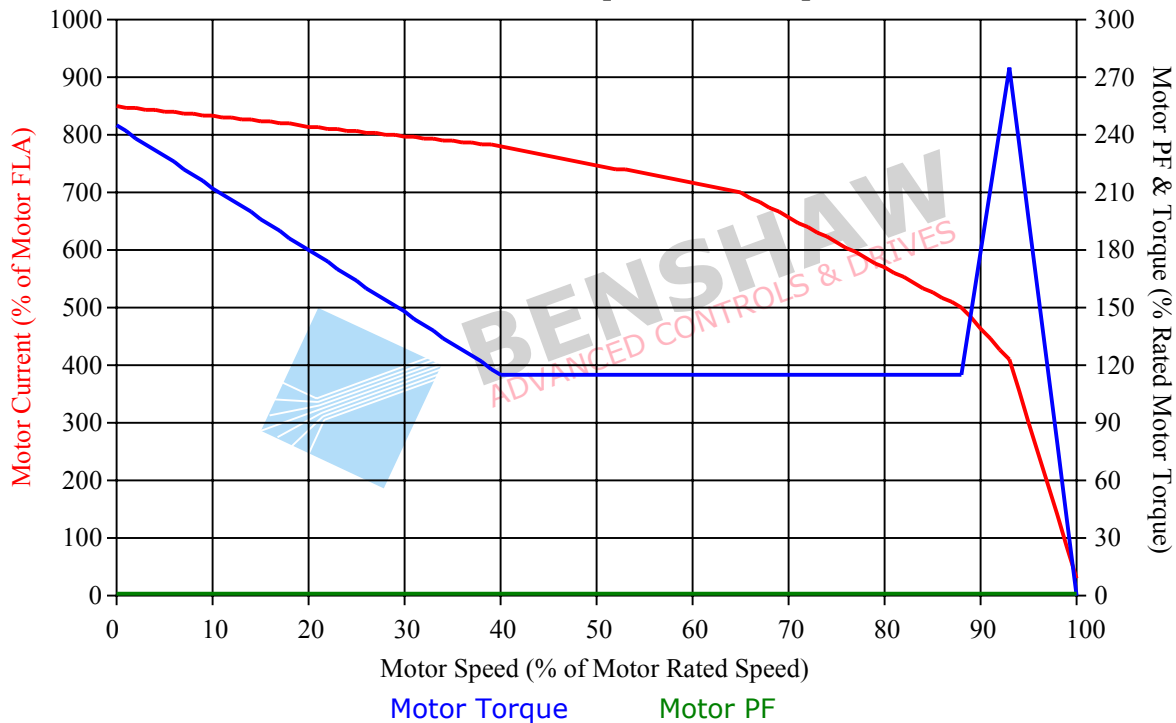
Motor Horsepower : 300 hp
Motor Speed : 1800 rpm
Motor Voltage : 4160 Vac
Motor Current : 41 Amps
Motor WK² : 149.3 lb-ft²

Load Ratings

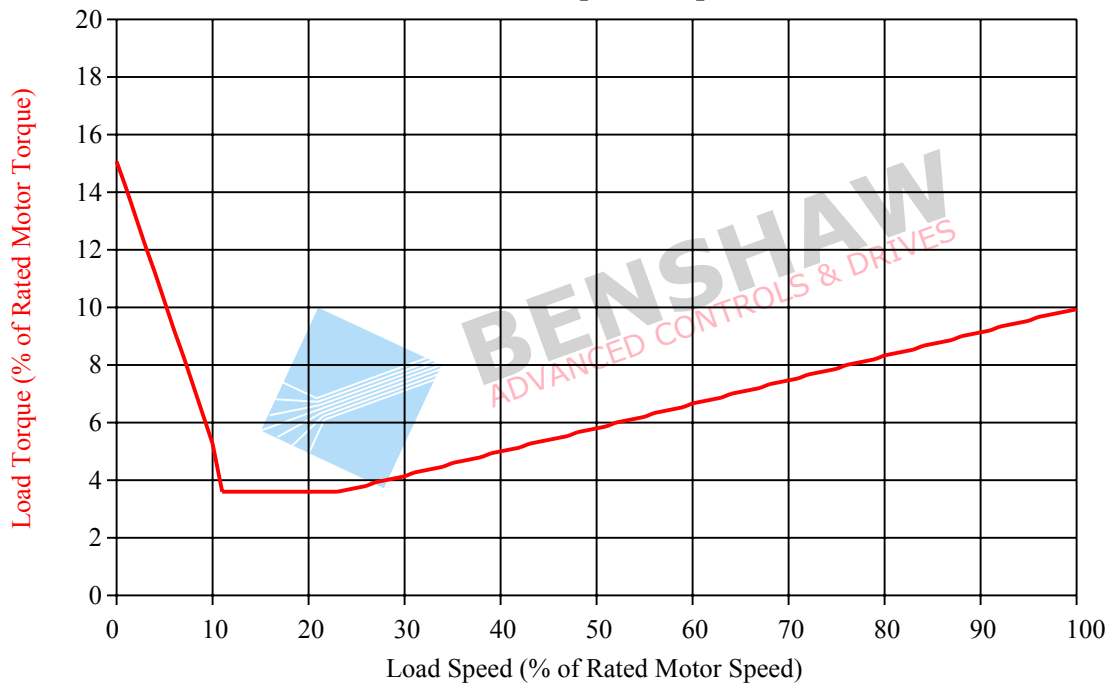
Load WK² : 1200 kg-m²
Load Speed : 425 rpm
Max. Torque : 760 N-m

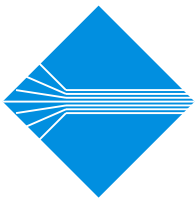


Motor Current, Torque & PF vs. Speed

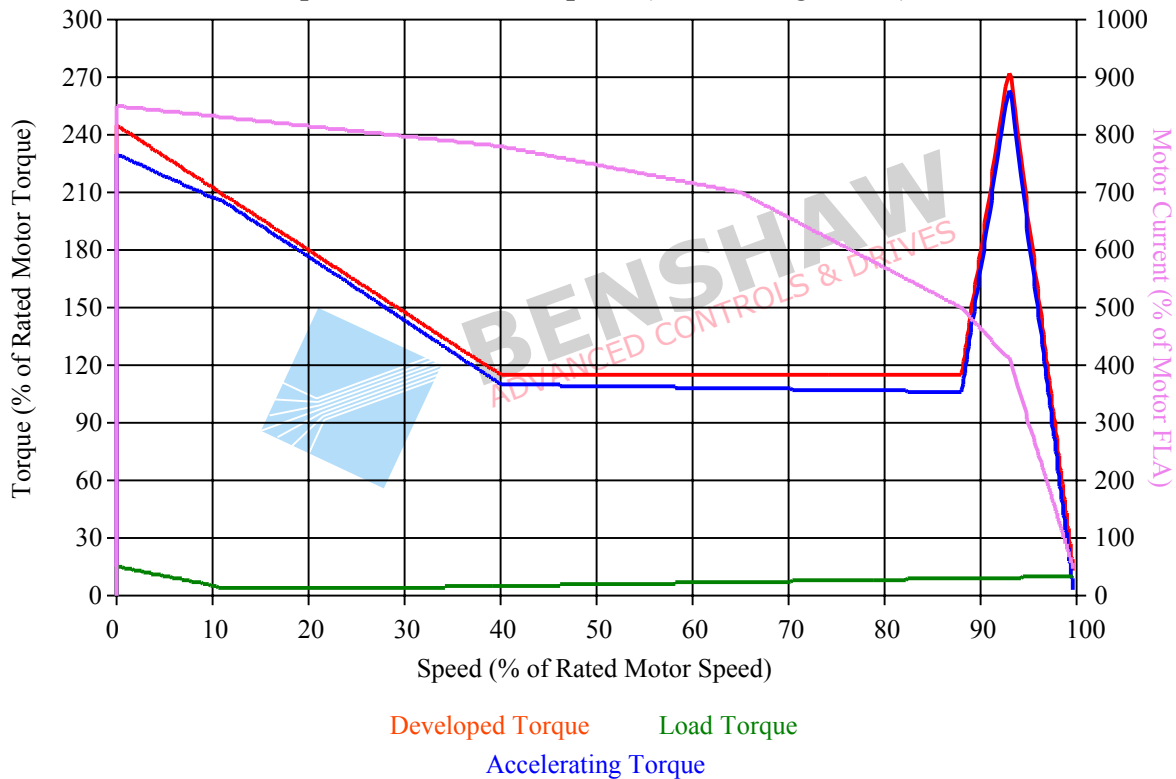


Load Torque vs. Speed

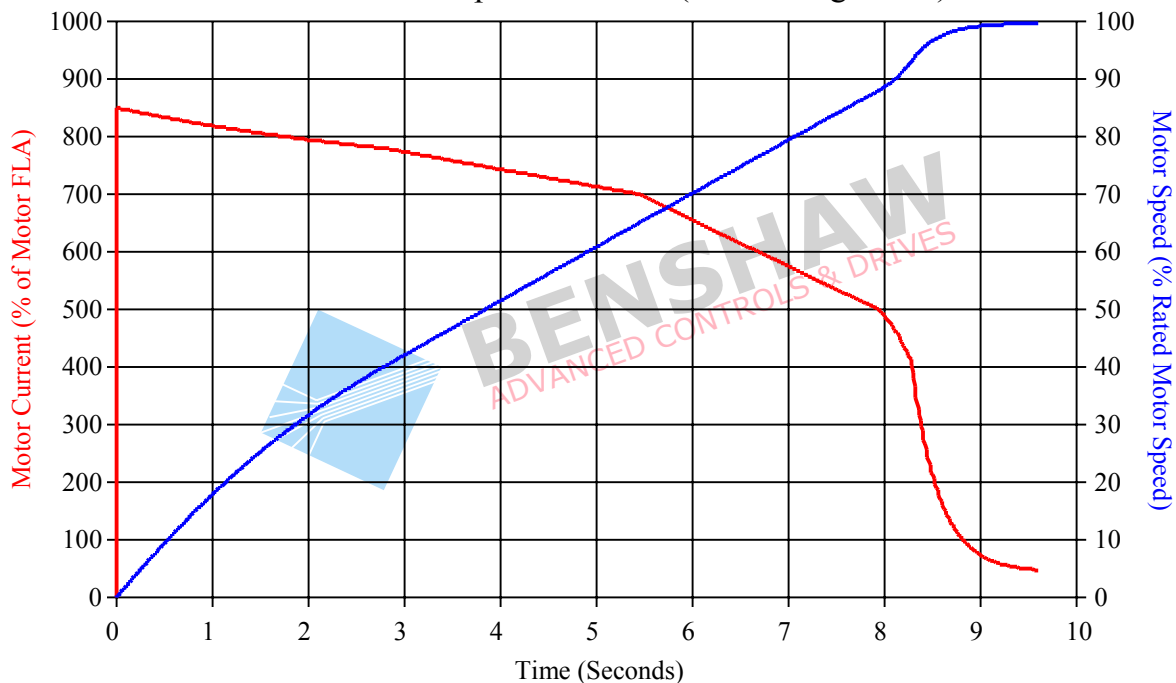




Torque & Current vs. Speed (Full Voltage Start)



Motor Current & Speed vs. Time (Full Voltage Start)



Acceleration Time = 9.63s

Equivalent Locked Rotor Time = 5.97s