



# Quad Plus™

## 1130 HP 6 Pulse DC Drive System Specs

<u>Motor</u>	<u>Transformer</u>	<u>Drive Enclosure</u>
<ul style="list-style-type: none"><li>• 1130 HP Shunt Wound DC</li><li>• 5704 lbs./ft. Torque (constant torque from 0 RPM to 1040 RPM)</li><li>• 700 VDC</li><li>• 1185 DC FLA Armature</li><li>• 60 DC FLA Field (site dependent setting)</li><li>• 140 RPM base speed</li><li>• Insulation Class F</li></ul>	<ul style="list-style-type: none"><li>• 1000/1250/1333 KVA</li><li>• Medium voltage primary<ul style="list-style-type: none"><li>◇ Site dependent.</li><li>Transformer is custom designed per site specs</li></ul></li><li>• Special Rectifier duty design</li><li>• Impedance as specified by Quad Plus</li><li>• 600 VAC Secondaries</li></ul>	<ul style="list-style-type: none"><li>• 6 Pulse Design</li><li>• 600 VAC Input</li><li>• 72 ° Ambient Temp</li></ul>

### Operational Data

Note: Values are listed in DC Amps and AC KVA. Use KVA to calculate primary AC amps as required.

FLA:	1185 DC Amps (961 KVA)
Empty Mill Starting Current:	592 DC Amps (481 KVA)
Average Running Current:	1007 DC Amps (816 KVA)
Maximum Potential Overload:	1303 DC Amps (1057 KVA)*
Average Power Factor:	0.90**
Voltage Tolerance:	+/- 10%

\*Maximum overload allowed for 60 continuous seconds once every 15 minutes.

\*\*DC motor power factor is directly proportional to RPM of the machine. Power Factor is dependent on operation of the machine.

**System is available at 6 pulse (as listed), 12 pulse, or 24 pulse designs. Design type is chosen with completion of power study.**

## About Quad Plus

Quad Plus provides industrial control systems, solutions, and services. We offer an uncompromising level of service and expertise to maintain our customers' productivity. Our extensive process knowledge spans from the utility pole to the motor shaft. With an on-going commitment to follow-up service, parts, and repairs, we are all you need for continued success.

We are recognized in the field as a leader in drive and motor control. Solutions are designed in-house through research and development tailored to meet each client's specific needs. Our design staff includes electrical, mechanical, civil/structural, chemical, and controls.



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- Appleton, WI
- Houston, TX

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- Mobile, AL
- St. Louis, MO
- Bend, OR
- Los Angeles, CA
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LARGE DRIVES - AUTO SHREDDING



INDUSTRIAL APPLICATIONS



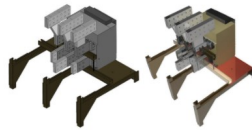
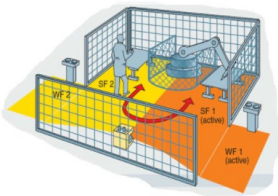
OIL, GAS and MARINE



POWER SERVICES



INDUSTRIAL SAFETY SERVICES



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Better Design**



**Quad Plus**™

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