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Electrohydraulic System ADS



Project Number _____ Initiation Date: _____ Originator: _____

Customer Name: _____ Distributor End Customer

Address: _____ City, State, Zip: _____

Customer Contact Name: _____ Phone Number: _____

E-Mail Address: _____ Web Site Address: _____

Current Supplier _____ Customer Part Number: _____

Describe mode of operation for application (use comment field on pg 4 for more detail): _____

<u>Factors</u>	<u>Data</u>	<u>Comments</u>	<u>Est.</u>
<i>Indicates minimal info required</i>			<input checked="" type="checkbox"/>
Performance Requirements			
AC Motors Only			
Single or 3 phase	<input type="checkbox"/> Single <input type="checkbox"/> 3 phase		<input type="checkbox"/>
Frequency	<input type="checkbox"/> 50Hz <input type="checkbox"/> 60Hz <input type="checkbox"/> 50/60Hz		<input type="checkbox"/>
AC Motor enclosure requirement	<input type="checkbox"/> TENV <input type="checkbox"/> TEFC <input type="checkbox"/> ODP <input type="checkbox"/> Explosion Proof		<input type="checkbox"/>
DC Motors Only			
Normal motor on-time	% or minutes		<input type="checkbox"/>
Maximum motor on-time	% or minutes		<input type="checkbox"/>
Maximum motor off-time	% or minutes		<input type="checkbox"/>
Start switch location and IP rating (O'clock position relative to motor terminals)	<input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> none IP		<input type="checkbox"/>
Number of cycles per day	cycles		<input type="checkbox"/>
Both AC and DC			
Minimum flow at nominal pressure	gpm @ psi		<input type="checkbox"/>
Maximum amperage draw at nominal pressure	amps @ psi		<input type="checkbox"/>
Maximum working pressure	psi		<input type="checkbox"/>
Does unit start under load?	<input type="checkbox"/> no <input type="checkbox"/> yes		<input type="checkbox"/>
RV Type	<input type="checkbox"/> Ball/spring <input type="checkbox"/> Low profile		<input type="checkbox"/>

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	<input type="checkbox"/> Tamper Proof		
Maximum system pressure (RV setting)	psi		<input type="checkbox"/>
Nominal voltage	volts, <input type="checkbox"/> AC <input type="checkbox"/> DC		<input type="checkbox"/>
Low line voltage	volts		<input type="checkbox"/>
Motor life expectancy	cycles		<input type="checkbox"/>
Motor IP rating requirement	IP		<input type="checkbox"/>
UL/EMC/other qualification requirements	UL Other		<input type="checkbox"/>
Check valve required	<input type="checkbox"/> no <input type="checkbox"/> yes		<input type="checkbox"/>
Solenoid valve (NC or NO, voltage)	<input type="checkbox"/> no <input type="checkbox"/> yes, <input type="checkbox"/> NC <input type="checkbox"/> NO volts, <input type="checkbox"/> AC <input type="checkbox"/> DC		<input type="checkbox"/>
Flow control (setting in gpm)	gpm		<input type="checkbox"/>
Power cord, length, plug type	<input type="checkbox"/> no <input type="checkbox"/> yes @ ft Plug type		<input type="checkbox"/>
Variable speed controller, speeds @ pressures	<input type="checkbox"/> no <input type="checkbox"/> yes @ rpm, psi		<input type="checkbox"/>
Noise requirements	dB		<input type="checkbox"/>
Useable reservoir fluid capacity and material	<input type="checkbox"/> quarts <input type="checkbox"/> litres <input type="checkbox"/> steel <input type="checkbox"/> plastic		<input type="checkbox"/>
Type of oil level indication	<input type="checkbox"/> dipstick <input type="checkbox"/> sight glass <input type="checkbox"/> other (specify)		<input type="checkbox"/>
Thermal switch required	<input type="checkbox"/> no <input type="checkbox"/> yes		<input type="checkbox"/>
Schematic provided (pasted image or faxed to RKF Engineering @ (815)-398-9246)	<input type="checkbox"/> attached <input type="checkbox"/> faxed		<input type="checkbox"/>
Operating environment			
Ambient temperature range	F min to F max		<input type="checkbox"/>
Temperature cycling	F min for minutes to F max for minutes		<input type="checkbox"/>
Operating temperature	F		<input type="checkbox"/>
Vibration requirement			<input type="checkbox"/>
Shock loading requirement			<input type="checkbox"/>
Fluid type			<input type="checkbox"/>
Fluid cleanliness	ISO /		<input type="checkbox"/>

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Customer vehicle interface				
Overall envelope (inches)	long	wide	tall	<input type="checkbox"/>
Mounting details	<input type="checkbox"/> A pad <input type="checkbox"/> B pad <input type="checkbox"/> other (specify)			<input type="checkbox"/>
Horizontal or vertical mount	<input type="checkbox"/> horizontal <input type="checkbox"/> vertical			<input type="checkbox"/>
Inlet port size	SAE <input type="checkbox"/> other (specify)			<input type="checkbox"/>
Outlet port size	SAE <input type="checkbox"/> other (specify)			<input type="checkbox"/>
Other ports required, size (specify usage), and position (describe)	SAE <input type="checkbox"/> other (specify)			<input type="checkbox"/>
Motor terminal location and number of terminals (O'clock position relative to pad A from reservoir face)	<input type="checkbox"/> 12 <input type="checkbox"/> 3 <input type="checkbox"/> 6 <input type="checkbox"/> 9 <input type="checkbox"/> Single <input type="checkbox"/> Two			<input type="checkbox"/>
Breather location on reservoir (O'clock position relative to pad A from reservoir face)	<input type="checkbox"/> 12 <input type="checkbox"/> 3 <input type="checkbox"/> 6 <input type="checkbox"/> 9 <input type="checkbox"/> none			<input type="checkbox"/>
Drain port location on reservoir (O'clock position relative to pad A from reservoir face)	<input type="checkbox"/> 12 <input type="checkbox"/> 3 <input type="checkbox"/> 6 <input type="checkbox"/> 9 <input type="checkbox"/> none			<input type="checkbox"/>
Valve coil termination	<input type="checkbox"/> spade <input type="checkbox"/> lead <input type="checkbox"/> screw <input type="checkbox"/> conduit <input type="checkbox"/> amp jr <input type="checkbox"/> Hirschmann <input type="checkbox"/> other (specify)			<input type="checkbox"/>
Valve coil location (O'clock position relative to motor as viewed from top of coil)	<input type="checkbox"/> 12 (toward motor) <input type="checkbox"/> 3 (away from center) <input type="checkbox"/> 6 (toward reservoir) <input type="checkbox"/> 9 (toward center)			<input type="checkbox"/>
Customer Specific Requirements				
Estimated production start date	Month	Year		<input type="checkbox"/>
Estimated annual usage	eau in year			<input type="checkbox"/>
Customer required quality documentation	<input type="checkbox"/> ISIR <input type="checkbox"/> XPAP <input type="checkbox"/> PPAP			<input type="checkbox"/>
Problems with current supplier or past experience	<input type="checkbox"/> quality <input type="checkbox"/> delivery <input type="checkbox"/> performance <input type="checkbox"/> price <input type="checkbox"/> other (describe)			<input type="checkbox"/>
Specific customer-required testing (describe)				<input type="checkbox"/>
Engineering documentation required	<input type="checkbox"/> 2D drawing <input type="checkbox"/> Solid Model when? Format			<input type="checkbox"/>

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Comments/Concerns by ADS Author

Hydraulic schematic (paste image or fax to RKF Engineering @ (815)-398-9246)