

ACTIVITY/CUSTOMER:

HEPP-LIFT TRUCK APPLICATION SURVEY AND SPECIFICATION SHEET

INSTRUCTIONS: FILL OUT ALL APPLICABLE SECTIONS. POTENTIAL SUPPLIERS WILL ATTEMPT TO MEET AND/OR APPROPRIATELY EXCEED THE SPECIFIED DEMANDS AS INDICATED. DUE TO THE COMBINATION OF FEATURES OFFERED BY THE SUPPLIERS AND THE INDICATED OPERATING ENVIRONMENT STATED ON THIS ORDER SHEET, THE MATERIAL HANDLING EQUIPMENT BEING PROPOSED IS OFFERED IN GOOD FAITH. THERE ARE CERTAIN COMBINATIONS OF FEATURES THAT ARE NOT OFFERED AND CANNOT BE PROCURED; LIKEWISE, THE PROPOSED EQUIPMENT IS BEING OFFERED BASED UPON TECHNICAL INFORMATION AND SPECIFICATIONS FOR STANDARD EQUIPMENT. AS OPTIONS ARE EXERCISED, THE OPERATIONAL CONDITION OF THE EQUIPMENT MAY CHANGE. IT IS STRONGLY RECOMMENDED TO PROVIDE ANY ADDITIONAL INFORMATION FOR OPTIONS THAT ARE REQUIRED.

REFER TO [APPENDIX I](#) FOR DETAILED INSTRUCTIONS APPLICABLE TO EACH QUESTION ON THIS CHECKLIST.

REFER TO [APPENDIX II](#) FOR ILLUSTRATED INFORMATION AND EXAMPLES APPLICABLE TO SPECIFIC QUESTIONS. **NOTE: INFORMATION FOUND IN APPENDIX II IS REPRESENTATIVE ONLY AND MAY NOT DETAIL ALL POSSIBLE OPTIONS.**

SECTION 1 – BASIC REQUIREMENTS

INSTRUCTIONS

COMPLY (Y/N)

| | | | |
|----|--|--|--|
| A: | FORKLIFT TYPE | | |
| B: | FUEL/BATTERY TYPE (ENGINE POWER SOURCE) | | |
| C: | ACTUAL WEIGHT OF HEAVIEST LOAD | | |
| D: | LARGEST LOAD SIZE (LENGTH x WIDTH x HEIGHT) | | |
| E: | RATED LOAD CENTER | | |
| F: | MAXIMUM LIFT HEIGHT REQUIRED | | |
| G: | CAPACITY REQUIRED AT MAXIMUM HEIGHT WITH REQUESTED ATTACHMENTS | | |
| H: | DRIVE TYPE REQUIRED | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 1 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 2 – SPECIFIC REQUIREMENTS

INSTRUCTIONS

COMPLY (Y/N)

| | | | |
|----|---|--|--|
| A: | GRADEABILITY REQUIRED WHEN LOADED (RAMP REQ'T'S) | | |
| B: | RIGHT ANGLE STACKING (MAXIMUM AISLE WIDTH FORKLIFT WILL OPERATE IN) | | |
| C: | FORK LENGTH DESIRED (STANDARD FORK LENGTH) | | |
| D: | TYPE OF TIRE DESIRED | | |
| E: | TYPE OF TIRE TREAD DESIRED | | |
| F: | COLD WEATHER STARTING PACKAGE | | |
| G: | BATTERY CONNECT/DISCONNECT SWITCH | | |
| H: | AM/FM RADIO | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 2 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 3 - CAB REQUIREMENTS

INSTRUCTIONS

COMPLY (Y/N)

| | | | |
|----|----------------------------|--|--|
| A: | ENCLOSED/OPEN CAB | | |
| B: | HEAT/AC | | |
| C: | WINDSHIELD WIPERS | | |
| D: | ADJUSTABLE STEERING COLUMN | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 3 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 4 – SAFETY EQUIPMENT

INSTRUCTIONS

COMPLY (Y/N)

| | | | |
|----|-------------------------------|--|--|
| A: | FORK POSITIONER REQUIREMENT | | |
| B: | SIDE-SHIFTER REQUIRED | | |
| C: | BRAKE POWER SUPPLY (WET, AIR) | | |
| D: | UL SAFETY REQUIREMENTS | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 4 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 5 – SAFETY DEVICES (SELECT ALL THAT APPLY)

INSTRUCTIONS

COMPLY (Y/N)

COMPLY (Y/N)

| | | | | | |
|--|--|--|---------------------------------------|--|--|
| | PARTS, SERVICE, AND OPERATOR’S MANUALS | | OPERATOR TRAINING REQUIRED | | |
| | ROOF MOUNTED INTEGRATED STROBE LIGHT | | INTEGRATED BACK-UP ALARM | | |
| | REAR FACING INTEGRATED WORK LIGHT | | INTEGRATED COMBINATION WORK LIGHTS | | |
| | FRONT FACING INTEGRATED DRIVE LIGHTS | | REAR FACING INTEGRATED BRAKE LIGHTS | | |
| | REAR FACING INTEGRATED REVERSE LIGHTS | | FORWARD FACING INTEGRATED WORK LIGHTS | | |
| | REARVIEW/SIDE MIRRORS | | INTEGRATED FLASHING HAZARD LIGHTS | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 5 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 6 – ATTACHMENTS AND EQUIPMENT

INSTRUCTIONS

COMPLY (Y/N)

| | | |
|---|--|--|
| BATTERY CHARGER AND BATTERIES (ELECTRIC FORKLIFTS ONLY) | | |
| POWER SOURCE TO BE USED FOR INDUSTRIAL CHARGER | | |
| EXTENDED FORKS (INDICATE LENGTH) | | |
| DEF FLUID (DIESEL FORKLIFTS ONLY) | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 6 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 7 - OPERATING ENVIRONMENT

INSTRUCTIONS

COMPLY (Y/N)

| | | |
|---|--|--|
| WILL THIS UNIT BE USED TO ENTER ENCLOSED TRAILERS | | |
| INDOOR USE, OUTDOOR USE, SEVERE DUTY, ALL LOCATIONS | | |
| LOWEST OVERHEAD CLEARANCE | | |
| SPECIAL USE REQUIREMENTS (SHIPBOARD, AIRFIELD, PIER, DEPLOYMENT, MUNITIONS) | | |

BIDDERS: FOR ANY REQUIREMENT IN SECTION 7 WHICH IS FOUND TO BE NONCOMPLIANT, USE THE SPACE BELOW TO PROVIDE A DETAILED EXPLANATION WHY THE REQUIREMENT CANNOT BE MET AND THE PROPOSED SOLUTION.

SECTION 8 – COMMENTS AND OTHER INFORMATION

INSTRUCTIONS

COMMENTS SECTION: PROVIDE ANY ADDITIONAL INFORMATION SUPPLIERS CAN USE TO SELECT THE BEST FORKLIFT FOR THE INTENDED CARGO AND OPERATING ENVIRONMENT

BIDDERS: USE THE SPACE BELOW TO PROVIDE ANY ADDITIONAL INFORMATION OR JUSTIFICATION REMARKS TO EXPLAIN THE PROPOSED QUOTE.

APPENDIX I: INSTRUCTIONS

SECTION 1

[RETURN TO CHECKLIST](#)

- A:** FROM THE DROPDOWN MENU, SELECT THE GENERAL TYPE OF FORKLIFT DESIRED. SEE [APPENDIX II, TABLE 1](#) FOR EXAMPLES.
- B:** FROM THE DROPDOWN MENU, SELECT THE ENGINE POWER SOURCE DESIRED. SEE [APPENDIX II, TABLE 2](#) FOR EXAMPLES.
- C:** IN THE SPACE PROVIDED, ENTER THE MAXIMUM WEIGHT TO BE LIFTED. THE INTENDED MAXIMUM WEIGHT TO BE LIFTED WILL BE USED BY THE SUPPLIERS TO OFFER THE BEST POSSIBLE MATCH FOR THE OPERATING ENVIRONMENT AND INTENDED USE. THE MAXIMUM WEIGHT ANY FORKLIFT CAN SAFELY LIFT AND TRANSPORT IS GREATLY INFLUENCED BY A LARGE NUMBER OF FACTORS.
- D:** IN THE SPACE PROVIDED, ENTER THE DIMENSIONS OF THE LARGEST ITEMS TO BE LIFTED. IF THE DIMENSIONS ARE UNKNOWN, INDICATE IF THE ITEMS HAVE LIFTING PROVISIONS FOR FORKLIFTS (SUCH AS FORKLIFT POCKETS).
- E:** FROM THE DROPDOWN MENU, SELECT THE RATED LOAD CENTER OR TYPE IN THE DESIRED SIZE. THE RATED LOAD CENTER IS DEFINED AS THE DISTANCE FROM THE FACE OF THE FORKS TO THE LOAD'S CENTER OF GRAVITY. THE STANDARD RATED LOAD CENTER IS 24" BUT CAN VARY DEPENDING ON MANY FACTORS.
- F:** IN THE SPACE PROVIDED, ENTER THE REQUIRED MAXIMUM LIFT HEIGHT FOR LOADS.
- G:** IN THE SPACE PROVIDED, ENTER THE MAXIMUM WEIGHT CAPACITY REQUIRED TO BE LIFTED BY THE FORKLIFT AND ATTACHMENT(S) AT THE MAXIMUM LIFT HEIGHT. BASE FORKLIFT CAPACITY IS NOT NECESSARILY THE CAPACITY OF LIFT. ATTACHMENTS, LIFT HEIGHTS, ETC CAN REDUCE CAPACITY.
- H:** FROM THE DROPDOWN MENU, SELECT THE DRIVE TYPE REQUIRED.

SECTION 2

[RETURN TO CHECKLIST](#)

- A:** FROM THE DROPDOWN MENU, SELECT THE DESIRED MAXIMUM GRADE THE UNIT MUST BE ABLE TO CLIMB AS A PERCENT. GRADE IS DEFINED AS THE INCLINE/DECLINE FROM LEVEL THE UNIT MUST BE ABLE TO TRANSVERSE STATED AS A PERCENTAGE.
- B:** IN THE SPACE PROVIDED, ENTER THE RIGHT ANGLE STACKING REQUIREMENT LENGTH. THIS REQUIREMENT REFERS TO THE MAXIMUM AISLE WIDTH THAT THE FORKLIFT WILL BE REQUIRED TO OPERATE IN.
- C:** FROM THE DROPDOWN MENU, SELECT THE DESIRED STANDARD FORK LENGTH OR ENTER THE DESIRED REQUIREMENT.
- D:** FROM THE DROPDOWN MENU, SELECT THE DESIRED TYPE OF TIRE. EXAMPLES INCLUDE PNEUMATIC (AIR), SOLID, AND SOLID CUSHION. SEE [APPENDIX II, TABLE 3](#).
- E:** FROM THE DROPDOWN MENU, SELECT THE DESIRED TIRE TREAD PATTERN. TREAD PATTERN IS OFTEN DETERMINED BY THE TYPE OF FORKLIFT CHOSEN AND THE EXPECTED OPERATING ENVIRONMENT. TIRE TREAD PATTERNS INCLUDE SMOOTH, S PATTERN, INDUSTRIAL, OVERSIZE LUG (OFFROAD), AND SEVERE DUTY (LIMITED TIRE TREAD PATTERN). SEE [APPENDIX II, TABLE 4](#).
- F:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR A COLD WEATHER STARTING PACKAGE.
- G:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR A BATTERY CONNECT/DISCONNECT SWITCH.
- H:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR AN AM/FM RADIO.

SECTION 3

[RETURN TO CHECKLIST](#)

- A:** FROM THE DROPDOWN MENU, SELECT THE TYPE OF CAB DESIRED. (IF OPEN CAB OR N/A CHOSEN, PROCEED TO SECTION 4).
- B:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR HEAT AND/OR AC.
- C:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR WINDSHIELD WIPERS.
- D:** FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR AN ADJUSTABLE STEERING COLUMN/STEERING WHEEL.

SECTION 4

[RETURN TO CHECKLIST](#)

- A:** FROM THE DROPDOWN MENU, ENTER THE REQUIREMENT FOR FORK POSITIONERS. FORK POSITIONERS CAN BE MANUAL, HYDRAULICALLY POWERED, OR N/A. FORK POSITIONERS ALLOW THE FORKS TO BE SPREAD APART OR CLOSE TO ACCOMMODATE DIFFERENT SIZE LOAD REQUIREMENTS.
- B:** FROM THE DROPDOWN MENU, ENTER THE SIDE SHIFT REQUIREMENT.
- C:** FROM THE DROPDOWN MENU, ENTER THE DESIRED BRAKE POWER SUPPLY SOURCE.
- D:** FROM THE DROPDOWN MENU, SELECT THE UL SAFETY REQUIREMENTS. SEE [APPENDIX II, TABLE 5](#).

SECTION 5

[RETURN TO CHECKLIST](#)

- A:** PLACE A MARK IN THE SPACE PROVIDED TO THE RIGHT OF THE FEATURE(S) REQUIRED.

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| SECTION 6 | RETURN TO CHECKLIST |
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|-----------|--|
| A: | FROM THE DROPDOWN MENU, ENTER THE BATTERY AND BATTERY CHARGER REQUIREMENT. INDICATE IF A BATTERY, BATTERY CHARGER, BOTH, OR NONE IS REQUIRED. |
| B: | IN THE SPACE PROVIDED, ENTER THE INTENDED SOURCE OF POWER FOR THE BATTERY CHARGER. NOTE THAT 120V PLUG-IN CHARGERS ARE TYPICALLY ONLY ACCEPTABLE UP TO 510 AH AND 24V. SHOULD THIS SOURCE OF POWER NOT BE ADEQUATE OR AVAILABLE, INDICATE THE VOLTAGE AND PHASE(S) TO BE PROVIDED. |
| C: | FROM THE DROPDOWN MENU, SELECT THE REQUIREMENT FOR EXTENDED FORK LENGTH. CHOOSE FROM THE OPTIONS GIVEN OR WRITE IN A REQUIREMENT. |
| D: | FROM THE DROPDOWN MENU, ENTER THE REQUIREMENT FOR THE USE OF DEF. |

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| SECTION 7 | RETURN TO CHECKLIST |
|------------------|-------------------------------------|

| | |
|-----------|--|
| A: | FROM THE DROPDOWN MENU, INDICATE IF THIS FORKLIFT WILL BE USED TO ENTER ENCLOSED TRAILERS. |
| B: | FROM THE DROPDOWN MENU, INDICATE THE INTENDED PRIMARY OPERATING ENVIRONMENT. ENVIRONMENTS INCLUDE INDOOR, OUTDOOR, WAREHOUSE, AND SEVERE DUTY. |
| C: | IN THE SPACE PROVIDED, INDICATE THE LOWEST OVERHEAD CLEARANCE EXPECTED TO BE ENCOUNTERED. |
| D: | FROM THE DROPDOWN MENU, SELECT OR ENTER ANY SPECIAL OPERATING ENVIRONMENTS THIS FORKLIFT WILL BE EXPECTED TO OPERATE IN. SPECIAL ENVIRONMENTS CAN ENCLUDE AIRFIELDS, SHIPBOARD, PIERS, MINES, DEPLOYED AREAS, MUNITION DEPOTS. |

| | |
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| SECTION 8 | RETURN TO CHECKLIST |
|------------------|-------------------------------------|

| | |
|-----------|--|
| A: | IN THE SPACE PROVIDED, ENTER ANY ADDITIONAL USEFUL INFORMATION TO HELP SUPPLIERS PROVIDE A REASONABLE OFFER. |
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APPENDIX II: INFORMATION AND EXAMPLES

TABLE 1: TYPICAL FORKLIFT EXAMPLES

[RETURN TO CHECKLIST](#)



ELECTRIC ORDER PICKER



ROUGH TERRAIN STRAIGHT MAST



ELECTRIC PNEUMATIC



WALKIE/STACKER



ELECTRIC PALLET JACK



STAND UP RIDER ELECTRIC



WALKIE/RIDER PALLET TRUCK



SIT DOWN RIDER ELECTRIC



STAND UP ELECTRIC REACH



TUGGER



FRONT/SIDE LOADER VERY NARROW AISLE



SIT DOWN RIDER CUSHION INTERNAL COMBUSTION



STAND UP COUNTERBALANCED ELECTRIC FORKLIFT



ROUGH TERRAIN TELEHANDLER SHOOTING BOOM



SIT DOWN RIDER PNEUMATIC INTERNAL COMBUSTION

TABLE 2: TYPICAL FORKLIFT ENGINE EXAMPLES

[RETURN TO CHECKLIST](#)



ELECTRIC FORKLIFT ENGINE



DIESEL FORKLIFT ENGINE



GAS FORKLIFT ENGINE



PROPANE FORKLIFT ENGINE



DUAL FUEL FORKLIFT ENGINE



LNG FORKLIFT ENGINE

TABLE 3: TYPICAL FORKLIFT TIRE EXAMPLES

[RETURN TO CHECKLIST](#)



PNEUMATIC FORKLIFT TIRE



SOLID FORKLIFT TIRE



HYBRID CUSHION FORKLIFT TIRE



NON-MARKING SMOOTH CUSHION TIRE



STANDARD BLACK SMOOTH CUSHION TIRE

TABLE 4: TYPICAL FORKLIFT TIRE TREAD PATTERN EXAMPLES

[RETURN TO CHECKLIST](#)

SMOOTH FORKLIFT TIRE TREAD



S PATTERN FORKLIFT TIRE TREAD



INDUSTRIAL FORKLIFT TIRE TREAD



OVERSIZE/OFFROAD FORKLIFT TIRE TREAD



SEVERE DUTY/AGGRESSIVE FORKLIFT TIRE TREAD

TABLE 5: UL SAFETY LIST

[RETURN TO CHECKLIST](#)**(REFER TO THE LATEST REVISION OF OSHA STANDARD 1910.178 FOR COMPLETE DETAILS)**

| | |
|------------|---|
| D | DIESEL ENGINE POWERED. |
| DS | DIESEL ENGINE POWERED WITH ADDITIONAL SAFEGUARDS TO THE EXHAUST, FUEL, AND ELECTRICAL SYSTEMS. |
| DY | DIESEL ENGINE POWERED WITH THE SAFEGUARDS OF DS UNITS AND ADDITIONAL TEMPERATURE LIMITATION FEATURES. UNITS DO NOT HAVE ELECTRICAL EQUIPMENT INCLUDING IGNITION. |
| E | ELECTRICALLY POWERED WITH MINIMUM SAFEGUARDS AGAINST INHERENT FIRE HAZARDS. |
| ES | ELECTRICALLY POWERED WITH ADDITIONAL SAFEGUARDS TO THE ELECTRIC SYSTEM TO PREVENT EMISSION OF SPARKS AND TO LIMIT SURFACE TEMPERATURES. |
| EE | ELECTRICALLY POWERED WITH ELECTRIC MOTORS AND OTHER ELECTRIC EQUIPMENT COMPLETELY ENCLOSED. |
| EX | ELECTRICALLY POWERED WITH THE INTENT OF BEING USED IN CERTAIN ATMOSPHERES CONTAINING FLAMMABLE VAPOR OR DUST. |
| G | GASOLINE POWERED. |
| GS | GASOLINE POWERED WITH ADDITIONAL SAFEGUARDS TO THE EXHAUST, FUEL, AND ELECTRIC SYSTEMS. |
| LP | LIQUIFIED PETROLEUM GAS POWERED. |
| LPS | LIQUIFIED PETROLEUM GAS POWERED WITH ADDITIONAL SAFEGUARDS. |