COLUMBIA
WINCHES & HOISTS
Manufactured by Allied Power Products, Inc.

Application Worksheet

Proposal number:

Submitted By:

Submitted on: / / **Response requested by:** / /

Distributor:

Customer: Contact:

Address:

City: State: Zip Code: Country:

Phone: Fax:

Project Name / ID: **Project time frame:**

☐ **New Application** ☐ **Replace existing (make / model):**

Project time frame: **Quote required by:** / /

Description of application:

1 HOIST FOR LIFTING (or pulling applications requiring a brake for lowering)

First layer line pull (lbs.):

Top layer line pull (lbs.):

2 WINCH FOR PULLING (in one direction)

First layer line pull (lbs.):

Top layer line pull (lbs.):

If line pull is to be estimated, provide a full description of what is being pulled:

Describe how the load is pulled and what it is being pulled on:

Additional requirements:

3 LINE SPEED PERFORMANCE REQUIREMENTS

First layer line speed (fpm): ☐ Approximate ☐ Exact

Top layer line speed (fpm): ☐ Approximate ☐ Exact

☐ Variable speed: From fpm to fpm ☐ Approximate ☐ Exact

Additional requirements:

4 LINE AND TRAVEL SPECIFICATIONS

Travel distance: ☐ Check if single layer

Line capacity on drum: feet of diameter ☐ Wire rope ☐ Synthetic rope ☐ Strap

Diameter of Flange (in.): Diameter of Core (in.): Length of Drum (in.):

Minimum D:d (drum diameter to wire rope diameter ratio):

Continued page 2 →

COLUMBIA WINCHES AND HOISTS
Manufactured by Allied Power Products, Inc.
6590 SW Fallbrook Place, Beaverton OR 97008
Phone 503.626.0654 • FAX 503.646.1996
info@alliedpower.com • www.alliedpower.com

REP CONTACT:

Application Worksheet **Proposal number:**

5 POWER SOURCE

☐ Electric ☐ AC ☐ DC Volts: Amps: Phase: Cycle: Hp Input:

☐ Hydraulic Pressure (psi): Flow (gpm): Hp Input:

☐ Pneumatic (air) Pressure (psi): Flow (cfm): Hp Input:

Self-contained / Mobile with input from: ☐ Gasoline engine ☐ Diesel Engine ☐ Electric motor

6 INSTALLATION ENVELOPE

Max. Length: Max. Width: Max. Height: Max. Weight:

☐ Base mount ☐ Wall mount ☐ Ceiling mount Distance to first sheave:

7 ENVIRONMENT

☐ Indoor ☐ Outdoor ☐ Marine Temp. Range: ☐ ºF ☐ ºC

☐ Hazardous Class: Division: Group(s): ☐ Corrosive (describe):

Additional requirements:

8 ASME HOIST DUTY CLASSIFICATION

DUTY CLASS	TYPICAL AREAS OF APPLICATION	UNIFORMLY DISTRIBUTED WORK PERIODS		INFREQUENT WORK PERIODS	
		MAX ON TIME MIN/HOUR	MAX NO. STARTS/HOUR	MAX ON TIME FROM COLD START	MAX NUMBER OF STARTS
☐ **H1**	Loads frequently approach capacity and idle for long periods between use.	7.5 minutes	75	15 minutes	100
☐ **H2**	Loads and utilization randomly distributed; rated loads infrequently handled.	7.5 minutes	75	15 minutes	100
☐ **H3**	Loads and utilization randomly distributed.	15 minutes	150	30 minutes	200
☐ **H4**	High volume handling of heavy loads, frequently near rated load.	30 minutes	300	30 minutes	300
☐ **H5**	Duty cycles approaching continuous operation are frequently necessary.	60 minutes	600	Not Applicable	

9 OPTIONS AND MODIFICATIONS

☐ Brake ☐ Limit Switch ☐ Freespool ☐ Freefall ☐ Controls

☐ Roller-Fairlead ☐ Slack line detection ☐ Torque limiting ☐ Grooved Drum ☐ Manual Override

☐ Cable Tensioning ☐ AutoAdvance Line Spooler ☐ Trolley

☐ Other:

10 ADDITIONAL INFORMATION

Please attach other pertinent information, and application details not covered by this form.

COLUMBIA WINCHES AND HOISTS
Manufactured by Allied Power Products, Inc.
6590 SW Fallbrook Place, Beaverton OR 97008
Phone 503.626.0654 • FAX 503.646.1996
info@alliedpower.com • www.alliedpower.com

REP CONTACT: