

PILEWIND HOISTS PW SERIES



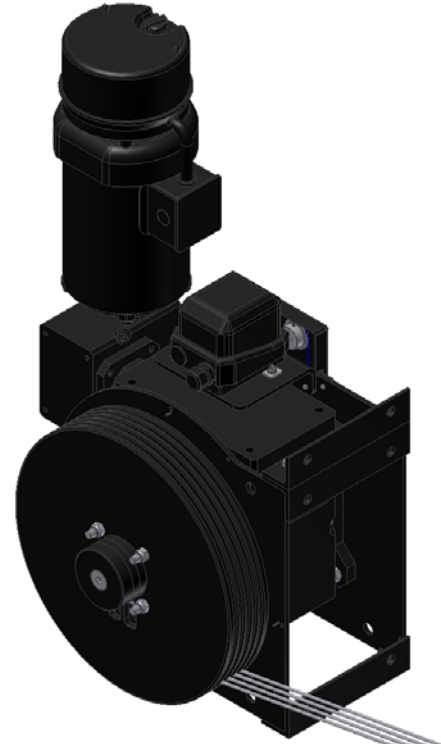
Designed for Multipurpose Theatrical Applications.

Product Features:

- **Three Phase** 208-230/460 volt operation.
- **Double Reduction Worm Gears** provide accurate and durable operation, totally enclosed in a cast iron gear case.
- **Premium Viton Lip Seals** keep oil in and contaminants out.
- **Welded Steel Frame** includes mounting bracket to allow for easy installation in any position.
- **Shaft** turns on bearings to minimize wear and provide smooth operation.
- **Primary Brake** is spring set, electrically released motor mounted disc brake.
- **Secondary Brake** is a redundant spring set, electrically released motor mounted disc brake.
- **4-Position Limit Switch** provides for two operational and two over-travel limit positions.
- **Drum Plates Easily Disassemble** to facilitate attachment of standard nicopress stop sleeves or swaged ball ends which anchor wire rope on the drum.
- **Yo-Yo Drum Winding** maintains consistent cable center lines.
- **Standard Controls** are UL rated and include up/down push buttons, keyed on/off selector switch and e-stop.
- **2-Year Limited Warranty**

Options and Accessories:

- **Control Options** include variable speed controls, fully programmable touchscreen controls, and a wide range of other custom options.
- **Power Options** include additional voltages as required.
- **Drum Guard** helps prevent injuries and adjusts for different orientations.
- **Line Speed Changes** as required.
- **Wire Rope and Fittings** available.



PW Series shown with 5 drums and drum guard option.

NOTES:

1. USE STANDARD STOP SLEEVES OR SWAGED BALL ENDS TO RETAIN FIRST WIRE ROPE LAYER.
2. KEEP FOUR (4) WRAPS OF WIRE ROPE WOUND ON DRUM AT ALL TIMES TO SERVE AS ANCHOR WRAPS. CABLE SHOULD BE MARKED TO IDENTIFY THESE ANCHOR WRAPS.
3. UNLESS SPECIFIED, UNITS ARE SHIPPED FROM THE FACTORY FILLED WITH LUBRICANT BASED ON THE MOUNTING ORIENTATION SHOWN. INSTALL THE SUPPLIED VENT PLUG (SHIPPED LOOSE) AND VERIFY OIL LEVELS AS SPECIFIED BY THE REDUCER MANUFACTURER PRIOR TO INSTALLATION.

DO NOT MIX LUBRICANT TYPES.
4. SPECIAL MOTOR AND BRAKE CONFIGURATIONS MAY REQUIRE A SPECIFIC INPUT SHAFT ORIENTATION. CONTACT FACTORY.
5. CONTACT FACTORY FOR NON-STANDARD REQUIREMENTS.

STANDARD SPECIFICATIONS

MODEL	PW12 SERIES	PW21 SERIES
WORKING LOAD LIMIT	1200 LBS	2100 LBS
MOTOR - 3 ϕ , 208 - 230/460 VAC	1.5 HP	3.0 HP
FULL LOAD AMPS (208 VAC)	5.7	10.2
FULL LOAD AMPS (230/460 VAC)	5.2 / 2.7	9.2 / 4.7
TOTAL GEAR RATIO	250 : 1	250 : 1
NUMBER OF LINES	4 TO 10	6 TO 10
WIRE ROPE SIZE	ϕ 3/16"	ϕ 3/16"
MAXIMUM TRAVEL	51 FT	51 FT
D : d RATIO (MIN, 1st WORKING LAYER)	30	30
AVERAGE LINE SPEED	20 FPM	20 FPM
LIMIT SWITCH	4 POSITION	4 POSITION
REDUNDANT FAIL SAFE BRAKES	STANDARD	STANDARD
DRUM GUARD	OPTIONAL	OPTIONAL
DESIGN FACTOR	8 : 1	8 : 1

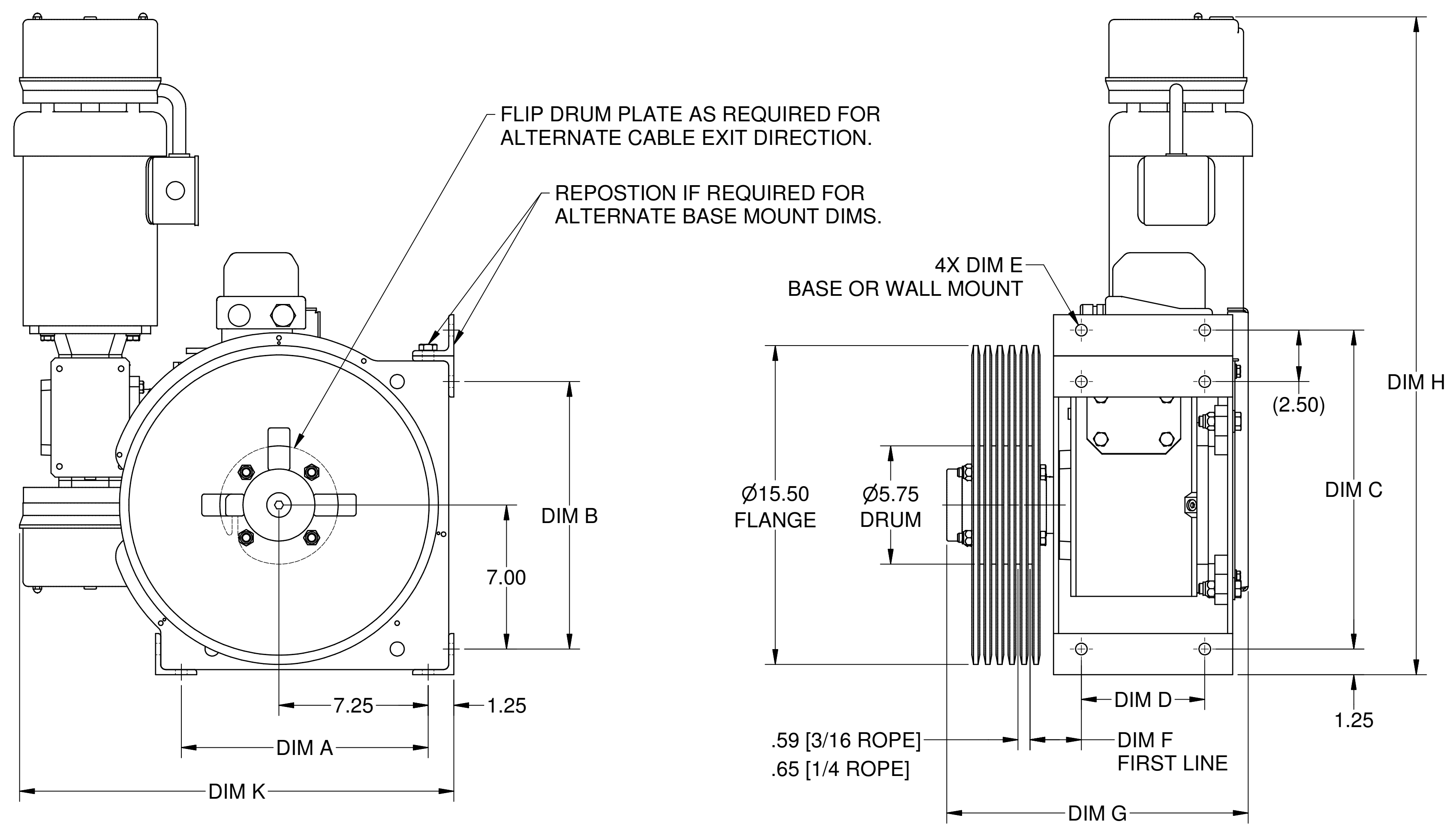
* SPECIFY VOLTAGE

* SPECIFY QUANTITY

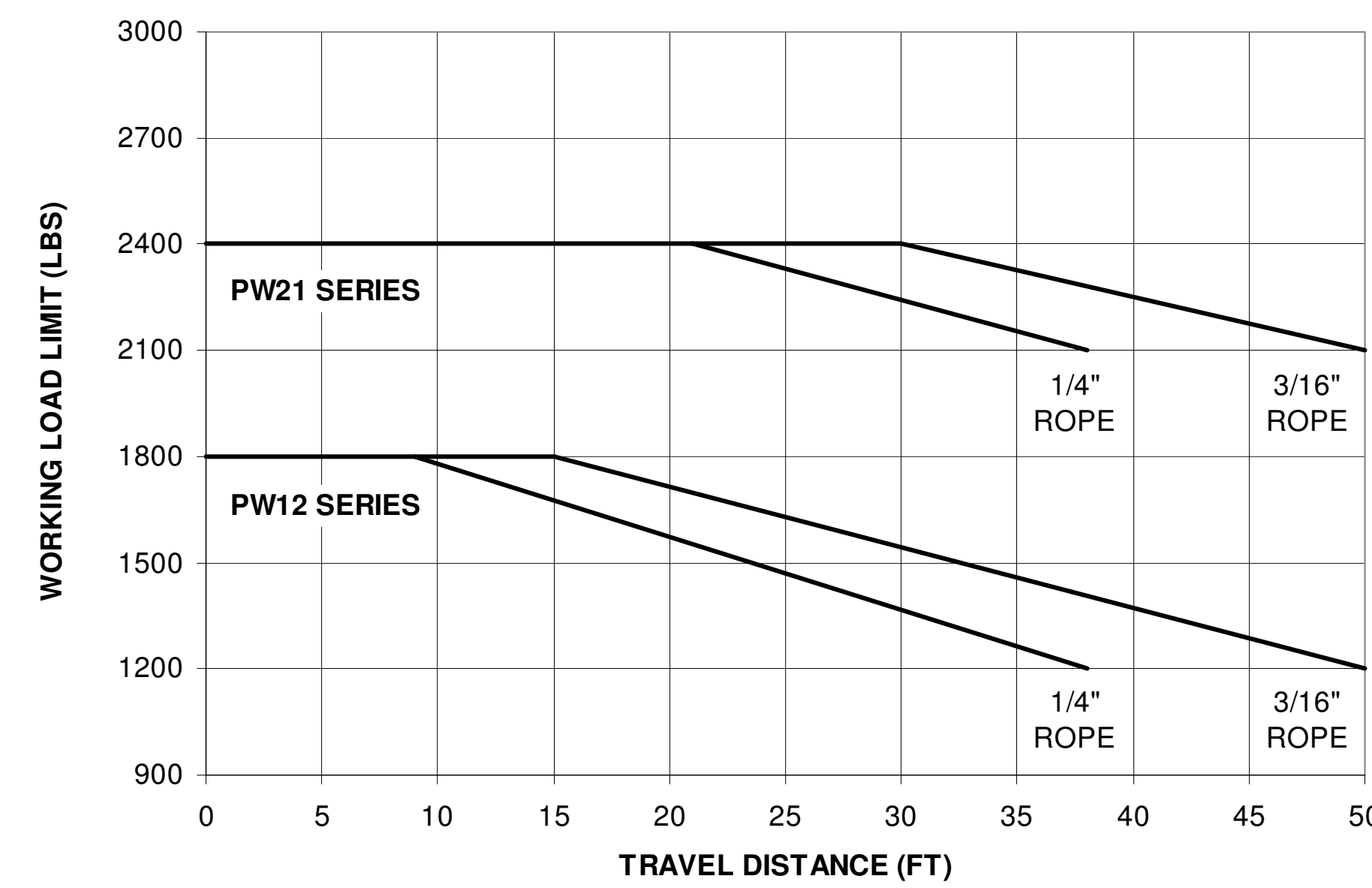
DIM A (INCHES)	12.00	14.00
DIM B	13.00	15.00
DIM C	15.50	17.50
DIM D	6.00	8.00
DIM E	ϕ 9/16	ϕ 11/16
DIM F	2.50	2.70
DIM G - UP THRU 6 LINES	14.88	18.50
DIM G - UP THRU 10 LINES	17.38	20.00
DIM H	32.00	35.62
DIM K	21.44	24.88

WEIGHT (LBS)

LINES	PW12 SERIES	PW21 SERIES
4	393	-
5	412	-
6	431	608
7	455	627
8	474	649
9	493	668
10	512	687



DRUM DIAMETER vs. LOAD CAPACITY
(4 ANCHOR WRAPS, EVENLY DISTRIBUTED LOAD)



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TSE THERN STAGE EQUIPMENT

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TOLERANCES UNLESS SPECIFIED
FRAC. \pm 1" ANGLE \pm 5"
DO NOT SCALE DRAWING

DESCRIPTION POWER PILE WIND		DRAWING NUMBER D3480	
MODEL PW SERIES	SCALE NTS	REVISION	SHEET 1 OF 1
DRAWN BY JCA	DATE 10/1/2009	WEIGHT N/A	