

## Load Classification Table

### U - Uniform Load

### M - Moderate Load

### H - Heavy Shock Load

#### AGITATORS

Pure Liquids	U
Liquids and Solids	M
Liquids - Variable Density	M
Semi-liquids Variable Density	M*

#### BLOWER

Centrifugal	U
Lobe	M
Vane	U

#### BREWING and DISTILLING

Bottling Machinery	U
Brew Kettles - Continuous Duty	U
Cookers - Continuous Duty	U
Mash Tubs - Continuous Duty	U
Scale Hopper Frequent Starts	M

#### CAN FILLING MACHINES

CANE KNIVES	M
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#### CAR DUMPERS

CAR PULLERS - Intermittent Duty	U
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CLARIFIERS	U
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CLASSIFIERS	M
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#### CLAY WORKING MACHINERY

Brick Press	H
Briquette Machine	H
Clay Working Machinery	M
Pug Mill	M

#### COMPRESSORS

Centrifugal	
Lobe	
Reciprocating	
Multi-Cylinder	M*
Single Cylinder	H*

#### CONVEYORS - UNIFORMLY

##### LOADED OR FED

Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	U
Flight	U
Oven	U

#### CONVEYORS - HEAVY DUTY NOT UNIFORMLY FED

Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live Roll (Package)	M
Oven	M
Reciprocating	H
Screw	M
Shaker	H

#### CRANES and HOISTS

Main Hoists	
Heavy Duty	H
Medium Duty	M
Reversing	M
Skip Hoists	M
Trolley Drive	M*
Bridge Drive	M*

#### CRUSHERS

Ore	H
Stone	H

#### DREDGES

Cable Reels	M
Conveyors	M
Cutter Head Drives	H
Jig Drives	H
Maneuvering Winches	M
Pumps	M
Screen Drive	H
Stackers	M
Utility Winches	M

#### ELEVATORS

Bucket - Uniform load	U
Bucket - Heavy load	M
Bucket - Continuous	U
Centrifugal Discharge	U
Escalators	U
Freight	M
Gravity Discharge	U
Man Lifts	**
Passenger	**
Service - Hand Lift	H

#### FANS

Centrifugal	M
Cooling Towers	**
Induced Draft	M
Forced Draft	**
Induced Draft	M
Large (Mine, etc.)	M*
Large Industrial	M*
Light (Small Diameter)	U

#### FEEDERS

Apron	M
Belt	U
Disc	U
Reciprocating	H
Screw	M

#### FOOD INDUSTRY

Beet Slicer	M
Cereal Cooker	U
Dough Mixer	M
Meat Grinders	M

#### GENERATORS - (Not Welding)

#### HAMMER MILLS

#### LAUNDRY WASHERS

Reversing	M
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#### LAUNDRY TUMBLERS

#### LINE SHAFTS

Heavy Shock Load	H
Moderate Shock Load	M
Uniform Load	U

#### LUMBER INDUSTRY

Barker - Hydraulic - Mechanical	M
Burner Conveyor	M
Chain Saw and Drag Saw	H
Chain Transfer	H
Craneway Transfer	H
De-Barking Drum	H
Edger Feed	M
Gang Feed	M
Green Chain	M
Live Rolls	H
Log Deck	H
Log Haul - Incline	H
Log Haul - Well Type	H
Log Turning Device	H
Main Log Conveyor	H
Off Bearing Rolls	M
Planer Feed Chains	M
Planer Floor Chains	M
Planer Tilting Hoist	M
Re-saw Merry-Go-Round	
Conveyor	M
Roll Cases	H
Slab Conveyor	H
Small Waste Conveyor - Belt	U
Small Waste Conveyor - Chain	M
Log Turning Device	H
Sorting Table	M
Tipple Hoist Conveyor	M
Tipple Hoist Drive	M
Transfer Conveyor	H
Transfer Rolls	H
Tray Drive	M
Trimmer Feed	M
Waste Conveyor	M

#### MACHINE TOOLS

Bending Roll	M
Notching Press - Belt Driven	*
Plate Planer	H
Punch Press - Gear Driven	H
Tapping Machines	H
Other Machine Tools	
Main Drives	M
Auxiliary Drives	U

#### METAL MILLS

Draw Bench - Carriage	H
Draw Bench - Main Drive	M
Forming Machines	H
Pinch Dryer & Scrubber Rolls,	
Reversing	*
Slitters	M*
Table Conveyors	
Non-reversing	M
Reversing	H
Wire Drawing & Flattening	
Machine	M
Wire Winding Machine	M

#### MILLS, ROTARY TYPE

Ball	H
Cement Kilns	**
Dryers & Coolers	M
Kilns	M
Pebble	H
Rod	H
Tumbling Barrels	H

#### MIXERS

Concrete Mixers, Continuous	M
Concrete Mixers, Intermittent	U
Constant Density	U
Variable Density	M

#### OIL INDUSTRY

Chillers	M
Oil Well Pumping	**
Paraffin Filter Press	M
Rotary Kilns	M

#### PAPER MILLS

Agitators (Mixers)	M
Barker Auxiliaries, Hydraulic	M
Barker, Mechanical	M
Barking Drum	H
Beater & Pulper	M
Bleacher U	U
Calendars	M
Calendars - Super	H
Converting Machines,	
except Cutters, Platers	M
Conveyors	U
Couch	M
Cutters, Platers	H
Cylinders	M
Dryers	M
Felt Stretcher	M
Felt Whipper	H
Jordans	H
Log Haul	H
Presses	U
Pulp Machines	M
Reel	M
Stock Chests	M
Suction Roll	U
Washers & Thickeners	M
Winders	U

#### PRINTING PRESSES U

#### PULLERS

Barge Haul	M
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#### PUMPS

Centrifugal	H
Proportioning	M*
Reciprocating	
Single Acting	
3 or more Cylinders	M
Double Acting	
2 or more Cylinders	*
Single Acting 1 or 2 Cylinders	*
Double Acting	*
Single Cylinder	*
Rotary - Gear Type	H
Rotary - Lobe, Vane	H

#### RUBBER INDUSTRY

Mixer	H
Rubber Calendar	M
Rubber Mill (2 or more)	M*
Sheeter	M*
Tire Building Machines	**
Tire & Tube Press Openers	**
Tubers & Strainers	M

#### SEWAGE DISPOSAL EQUIPMENT

Bar Screens	H
Chemical Feeders	H
Collectors, Circuline or	
Straight Line	H
Dewatering Screens	M
Grit Collectors	H
Scum Breakers	M
Slow or Rapid Mixers	M
Sludge Collectors	U
Thickeners	M
Vacuum Filters	M

#### SCREENS

Air Washing	U
Rotary - Stone or Gravel	M
Traveling Water Intake	U

#### SLABPUSHERS

#### STEERING GEAR

#### STOKERS

#### TEXTILE INDUSTRY

Batchers	M
Calendars	M
Card Machines	M*
Cloth Finishing Machines,	
(washers, pads, tenters, dryers,	
calendars, etc.)	M
Dry Cans	M
Dryers	M
Dyeing Machinery	M
Knitting Machines (looms, etc.)	*
Looms	M
Mangles	M
Nappers	M
Pads	M
Range Drives	*
Slashers	M
Soapers	M
Spinners	M
Tenter Frames	M
Washers	M
Winders (Other than Batchers)	M
Yarn Preparatory Machines(Cards,	
Spinners, Slashers, etc.)	M

#### WINDLASS

\* In view of varying load conditions, it is suggested that these applications be carefully reviewed before a final selection is made.

\*\*Check safety codes and refer to SHIMPO Drives Customer Service.