

ENGINEERING INFORMATION

TYPE OF MACHINE TO BE DRIVEN	NON-MOTOR REDUCER (SERVICE FACTORS)		MOTORIZED REDUCER (CLASS OF SERVICE)	
	HRS. PER DAY		HRS. PER DAY	
	3 TO 10	OVER 10	3 TO 10	OVER 10
PAPER MILLS (Cont.)				
Chipper	---	2.00	---	III
Chip Feeder	1.25	1.50	---	---
Coating Rolls - Couch Rolls	1.00	1.25	---	---
Conveyors - Chips - Bark				
- Chemical	1.00	1.25	---	---
Conveyors - Log and Slab	---	2.00	---	---
Cutter	---	2.00	---	---
Cylinder Molds, Dryers				
- Anti-Friction	---	1.25	---	---
Felt Stretcher	1.25	1.50	---	II
Screens - Chip and Rotary	1.25	1.50	---	---
Thickener (AC)	1.25	1.50	---	---
Washer (AC)	1.25	1.50	---	---
Winder - Surface Type	---	1.25	---	II
PLASTICS INDUSTRY				
Intensive Internal Mixers				
Batch Type	---	1.75	---	---
Continuous Type	---	1.50	---	---
Batch Drop Mill - 2 Rolls	---	1.25	---	---
Compounding Mills	---	1.25	---	---
Calendars	---	1.50	---	---
Extruder - Variable Speed	---	1.50	---	---
Extruder - Fixed Speed	---	1.75	---	---
PULLERS				
Barge Haul	---	2.00	---	---
PUMPS				
Centrifugal	---	1.25	---	---
Proportioning	---	1.50	*	*
Reciprocating				
Single Acting, 3 or More Cycles	1.25	1.50	II	III
Double Acting, 2 or More Cycles	1.25	1.50	II	III
Rotary - Gear or Lube	1.00	1.25	I	II
RUBBER INDUSTRY				
Batch Mixers	---	1.75	---	---
Continuous Mixers	---	1.50	---	---
Calendars	---	1.50	---	---

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RUBBER INDUSTRY (Cont.)				
Extruders - Continuous	---	1.50	---	---
Extruders - Intermittent	---	1.75	---	---
Tire Building Machines	---	---	II	II
Tire and Tube Press Operators	---	---	I	I
SEWAGE DISPOSAL EQUIPMENT				
Bar Screens	1.00	1.25	I	II
Chemical Feeders	1.00	1.25	I	II
Collectors	1.00	1.25	I	II
Dewatering Screws	1.25	1.50	II	II
Scum Breakers	1.25	1.50	II	II
Slow or Rapid Mixers	1.25	1.50	II	II
Thickeners	1.25	1.50	II	II
Vacuum Filters	1.25	1.50	II	II
SCREENS				
Air Washing	1.00	1.25	I	II
Rotary - Stone or Gravel	1.25	1.50	II	II
Traveling Water Intake	1.00	1.25	I	II
Skip Hoists	---	---	II	---
Slab Pushers	1.25	1.50	---	---
Stokers	---	1.25	---	II
TEXTILE INDUSTRY				
Batchers or Calendars	1.25	1.50	II	II
Cards	1.25	1.50	I	II
Card Machines	1.75	2.00	III	III
Dry Cans and Dryers	1.25	1.50	II	II
Dyeing Machines	1.25	1.50	II	II
Looms	1.25	1.50	*	*
Mangles, Nappers and Pads	1.25	1.50	II	II
Soapers, Tenner Frames	1.25	1.50	II	II
Spinners, Washers, Winders	1.25	1.50	II	II
Tumbling Barrels	1.75	2.00	III	III
Windlass	1.25	1.50	II	III

*Consult Manufacturer.

This list is not all-inclusive and each application should be checked to determine if any unusual operating conditions will be encountered.

SERVICE FACTOR CHART

AGMA CLASS OF SERVICE	SERVICE FACTOR	OPERATING CONDITIONS
I	1.00	Moderate Shock - not more than 15 minutes in 2 hours. Uniform Load - not more than 10 hours per day.
II	1.25	Moderate Shock - not more than 10 hours per day. Uniform Load - more than 10 hours per day.
	1.50	Heavy Shock - not more than 15 minutes in 2 hours. Moderate Shock - more than 10 hours per day.
III	1.75	Heavy Shock - not more than 10 hours per day.
	2.00	Heavy Shock - more than 10 hours per day.