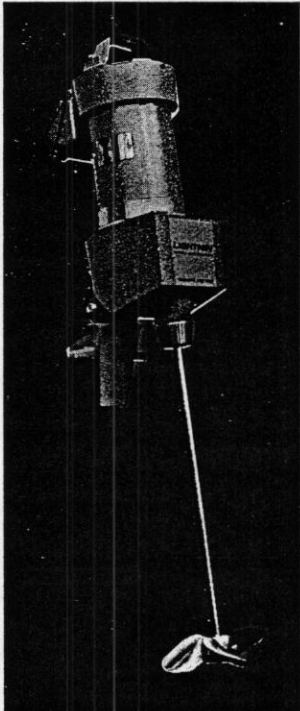
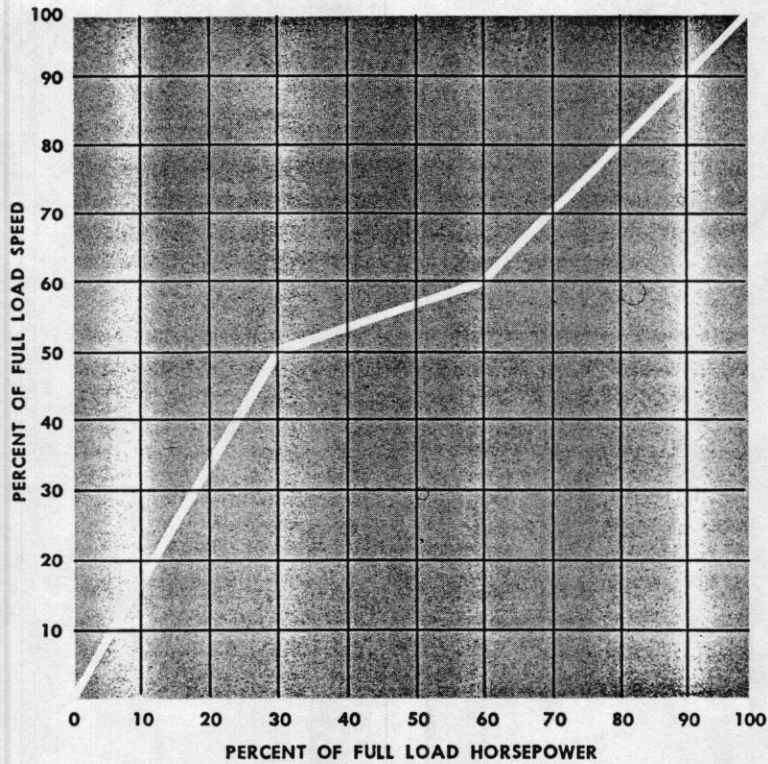


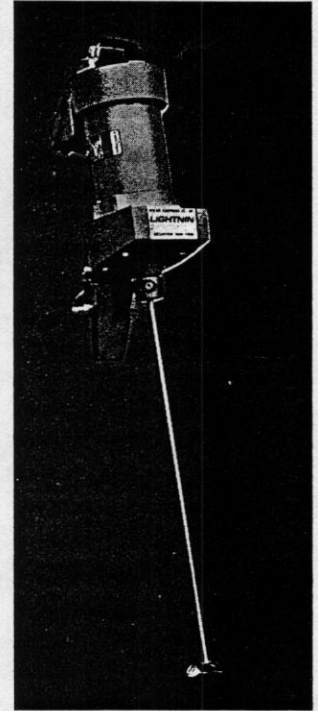
LIGHTNIN® VARI-MIX PORTABLE MIXERS



Gear drive, Vari-Mix unit



Typical rating curve
for Vari-Mix units



Direct drive, Vari-Mix unit

Because no separate control station is needed with the Vari-Mix unit, it can be moved from job to job as easily as any constant speed mixer. Problems associated with mechanical variable speed drives are eliminated with this all electronic, compact unit.

The available speed range is 100 to 1750 RPM in the direct drive units and 20 to 350 RPM in the gear drive units. The mixer is furnished in $\frac{1}{3}$ and $\frac{3}{4}$ HP models for clamp mount and fixed mount mixers.

SPECIFICATIONS

Drive	Model	HP	Current	Shaft Speed
Direct	NS-1-VM	$\frac{1}{3}$	115V, 60 cy, single phase, AC	100-1750 RPM
	NS-3-VM	$\frac{3}{4}$	230V, 60 cy, single phase, AC	100-1750 RPM
Gear	ND-1-VM	$\frac{1}{3}$	115V, 60 cy, single phase, AC	20-350 RPM
	ND-2A-VM	$\frac{3}{4}$	230V, 60 cy, single phase, AC	20-350 RPM

LIGHTNIN®
MIXERS AND AERATORS

B-554-20M-11-69

MIXING EQUIPMENT CO., INC., 129 Mt. Read Blvd., Rochester, New York 14603

Sales Offices in all principal cities

LIGHTNIN plants in Rochester, New York,
Poynton, England; Stanmore, NSW, Australia

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1-847-683-7720

www.bid-on-equipment.com

Variable-Speed Drive for Clamp mount and Fixed mount mixers

Here's a new LIGHTNIN accessory that will solve problems when you have these conditions:

- Changes in viscosity
- Varying liquid levels
- Aeration control
- Pilot plant studies
- Multiple step operations
- Reduced speeds during drainage

This new variable speed drive for clamp mount and fixed mount mixers gives the flexibility you need for all these conditions, and many more. It has infinitely variable speeds up to a five-to-one ratio.

The LIGHTNIN variable speed drive is an integral assembly that requires no auxiliary equipment such as pumps, compressors or electronic controls. Simply set the hand wheel to get just the right speed and power input for every step of your mixing operation.

Variable speed mixers come in sizes from 1 through 3 HP and are available in clamp mounted or fixed mounted models, with direct or gear drives, for open or closed tanks.

In addition to variable speed, these mixers have all the LIGHTNIN Mixer features including positive drive chuck, SuperPitch propeller, position indexing device, internal gearing, and chemical plant motor.

Contact your LIGHTNIN Sales Engineer for details.

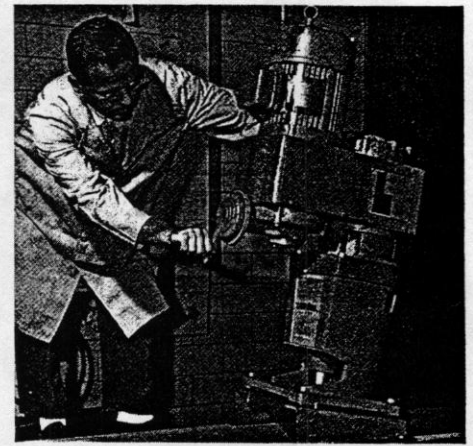


Fig. 57

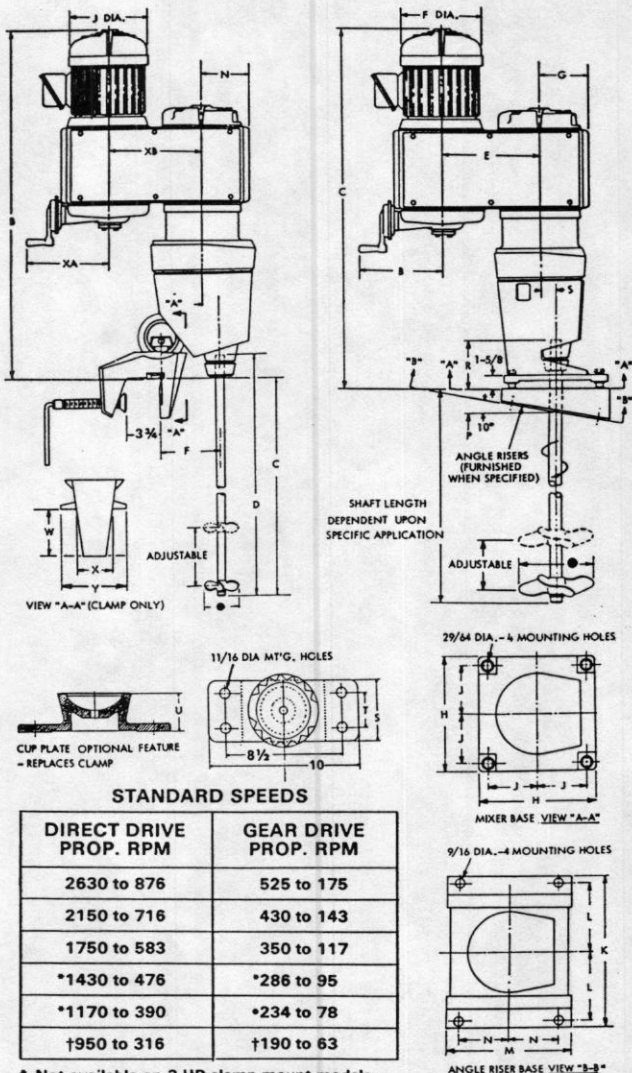
Large speed-setting dial assures infinite, precise speed changes throughout entire range. Large numerals and scribe marks on stainless steel are easy to read.

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PORTABLE MIXERS—CLAMP MOUNT AND FIXED MOUNT WITH MECHANICAL ADJUSTABLE SPEED DRIVE



CLAMP MOUNT—GEAR DRIVE

Model	HP	Mixer Wgt. Lbs.	B	A	C	D	F	J	N	S	T	U	W	X	Y	XA	XB
ND-3V	1	275	36 1/2	55 1/2	60	6 1/2	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
ND-4V	1 1/2	275	36 1/2	55 1/2	60	6 1/2	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
ND-4AV	2	280	36 1/2	55 1/2	60	6 1/2	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
ND-4BV	3	300	36 1/2	55 1/2	60	6 1/2	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	

CLAMP MOUNT—DIRECT DRIVE

Model	HP	Mixer Wgt. Lbs.	B	A	C	D	F	J	N	S	T	U	W	X	Y	XA	XB
NS-4V	1	260	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NS-5V	1 1/2	270	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NS-6V	2	260	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NS-7V	3	280	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NM-1V	1	260	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NM-1AV	1 1/2	260	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NM-2V	2	265	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	
NM-3V	3	270	32 1/2	54	60	5	9	4 1/2	4	2 1/2	2 1/4	4 1/2	3 1/4	6 1/2	8 1/2	9 1/2	

FIXED MOUNT—GEAR DRIVE

Model	HP	Mixer Wgt. Lbs.	B	C	E	F	G	H	J	K	L	M	N	P	R	S
NLDG-100V	1	305	8 1/2	38 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2	1 1/2
NLDG-150V	1 1/2	310	8 1/2	38 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2	1 1/2
NLDG-200V	2	315	8 1/2	38 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2	1 1/2
NLDG-300V	3	315	8 1/2	38 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2	1 1/2

FIXED MOUNT—DIRECT DRIVE

Model	HP	Mixer Wgt. Lbs.	B	C	E	F	G	H	J	K	L	M	N	P	R
NLD-100V	1	278	8 1/2	34 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2
NLD-150V	1 1/2	280	8 1/2	34 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2
NLD-200V	2	285	8 1/2	34 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2
NLD-300V	3	285	8 1/2	34 1/2	9 1/2	9 1/4	4 1/2	13	5 1/2	16 1/2	7 1/2	13 1/2	5 1/2	3	6 1/2

■ Mixer weight is typical—will vary with shaft and propeller selection. Weight includes shaft and dual propellers.
▲ Can vary per order.
● To suit application.
All dimensions are in inches.

- * Not available on 3 HP clamp mount models.
- Not available on any 3 HP models.
- † Not available on 2 or 3 HP models.

Closed tank models are also available, with choice of stuffing box or mechanical seal.

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