MOTODRIVE

ALL TORQUE
INDUSTRIAL POWER TRANSMISSION SPECIALISTS

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measures up in ABILITY

There are as many reasons to choose a Reeves Motodrive as there are Motodrive features. Along with its traditional proven design, the Reeves Motodrive incorporates the materials, design and rigid construction demanded by today's needs. The result is dependable power in every size and useful life in return for every dollar you invest in dependable mechanical Variable Speed.

Compare Reeves Motodrive to other types of Drives in these Important ways.

COMPLETELY SELF CONTAINED

Variable Speed belt case, motor and gear reducer are perfectly matched and supplied as one integral unit. This eliminates unnecessary problems and wasted time in matching up individual loose supplied components.

REEVES EXCLUSIVE FEATURES

All Reeves Motodrives are suitable for Bi-directional operation with full power being delivered in either direction. Cast iron belt case ensures rigid and lasting alignment of all internal components. Heat and oil resistant static conducting belt. Stock standard metric flange motor to Australian Standards. Versatility of assembly range – vertical, horizontal or wall mounting. Right angled or parallel output shaft. Standard options include electric or pneumatic remote controls; mechanical or electric speed indicators – ventilated or totally enclosed belt case.

DEPENDABLE VARIABLE SPEED

Because Reeves Motodrive is mechanical, there are no mysteries for your production and maintenance personnel. Low cost replacement components are readily available through an Australia wide network of distributors. Operating cost is low too, since Motodrive is as practical and dependable as an A.C. Motor driving a vee belt.

SIMPLE FAST MAINTENANCE

Just apply periodic lubrication. It's that simple and sensible. The cast iron enclosure is corrosion resistant, and in the Hygiene Drive the Motodrive can be hosed or steam cleaned in place, the same way as the food machinery it powers.

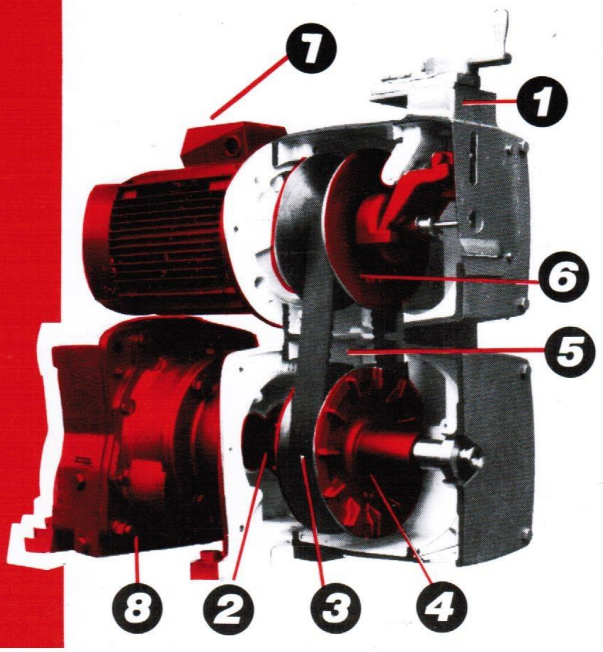
PROVEN DEPENDABLE DESIGN

The classic combination of Drive motor, Variable Speed belt case and gear reducer turns your production machines into profit makers. The Reeves Motodrive has undergone fifteen years of improvements with no change to its basic dependable principle.

MOTOVATE WITH MOTODRIVE!

measures up in CONSTRUCTION

1. The Motodrive handwheel has built-in 'Posi-stop' location for prevention of drift from set speed. Also, handwheel can be re-positioned by simply rotating the control cover.
2. Calibrated spring ensures correct belt tension at all speeds. For Motodrives above 2 H.P. capacity, a self-contained spring assembly prevents spring 'escape' during disassembly.
3. Sure-gripping variable speed belt may be quickly and easily replaced by simply removing 8 bolts. Built-in pulley alignment provides ease of service even in the field.
4. Patented 'close-grooving' lubrication distributes lubricant smoothly and evenly over all sliding contact areas.
5. One-piece cast iron belt case provides maximum strength and protection whilst ensuring rigid and lasting alignment of all internal components.
6. Constant speed variable pitch pulley is located next to the motor bearing for minimum overhung load condition.
7. Stock standard metric motors with flange sizes to AS1360 part 10-1975 facilitates replacement in the field.
8. Heavy duty gearboxes are designed to meet requirements of AGMA or BS436 (Depending on Model) for continuous maximum rated load carrying capacity.



INTRODUCTION TO VARIABLE SPEED

The variable speed drive has two broad functions in industry.

1. To provide a complete range of speeds to enable optimum operation of individual machines or equipment.
2. To permit accurate control of production flow through related machinery and plant, so that plant efficiency may be optimised.

Operating speeds have a vital effect on cost and quality of production. Speeds that are too fast or too slow are inadequate, wasteful and cannot be tolerated in efficient manufacturing. Correct speeds must be used and they are dependent on variable conditions which are factors in every phase of industrial production.

Variable speed drives make it possible to secure the correct speed for almost every manufacturing operation. Only through infinitely variable speed control can the full utilisation of many machines be realised.

The specific advantages of **REEVES VARISPEED MOTODRIVES** are readily understood when the following conditions are examined, some or all of which are factors in every phase of industrial production:

1. Processing different sizes, shapes, quantities or grades of product on the same machine.

   REEVES MOTODRIVES enable single machines to produce more output than is possible at fixed speeds, by increasing the operating range. Thus reducing unit costs.

2. Changes in composition, molecular construction, density or character of material during processing.

   REEVES MOTODRIVES permit accurate manual or automatic control of speed to compensate for changes in consistency, density, viscosity, etc. during processing.

3. Variance in temperature or atmospheric conditions.

   REEVES MOTODRIVES offer flexibility of operation in heating, baking, drying, cooking, cooling or chilling operations by enabling compensation for fluctuations and variations in temperature, humidity, moisture content and atmospheric conditions.

4. Changes in production schedule.

   REEVES MOTODRIVES make conveyor speeds readily adjustable. They provide the desired speed without interrupting production flow. Delays, congestion, over or under-supply at critical points on production lines are reduced. They also provide flexibility to meet changes in operation caused by new designs or new sequences of processing.

5. Changing peripheral speed during manufacturing operation.

   REEVES MOTODRIVES using automatic speed control can maintain uniform peripheral speed on increasing or decreasing diameters. This ensures uniform cutting speeds on rotary veneer lathes, uniform loading of cable strands on reels and even tension on wind up rolls.

6. Synchronising machine speeds.

   REEVES MOTODRIVES allow continuous flow of material from one item of equipment to the next. Thus eliminating material waste and ensuring high quality and uniformity of product.

7. Variance in number or skill of machine operators.
   REEVES MOTODRIVES allow for differences in capability of men and machines by providing the flexibility needed to speed up or slow down to meet changes in number of operators or match differences in skill between operators.

Machine constructors and manufacturers in every line of industry now realise that the investment for adequate variable speed control equipment is repayed many times over in greater machine flexibility and utilisation, increased capacity, and lower production costs.

Other important benefits of **REEVES MOTODRIVES** are:

1. They are **AUSTRALIAN** made so spare parts are readily available and drives can be modified to suit the clients's specifications.
2. Full speed range operation can be achieved without derating, fitting blowers for motor cooling or oversizing the motor.
3. Being a simple belt variator, they can be easily maintained and serviced by the plant fitter. This eliminates costly service engineer calls.
4. Ambient temperatures up to 40°C without derating unit.
5. A wide range of options are available.

General Information
MECHANICAL VARI—SPEED POWER

COMPLETELY SELF CONTAINED
Motodrive combines a Variable Speed Beltcase, Motor and Gear Reducer in a matched combination. There are no tricky alignment problems; no guessing at compatability.

LOW-COST VARIABLE SPEED
Mechanical dependability saves you equipment dollars, not only through low initial cost, but through low-cost components that are readily available and quickly replaced if ever necessary. Operating cost is low, too, since the Reeves Vari-Speed Motodrive is as practical, and dependable as an A-C Motor.

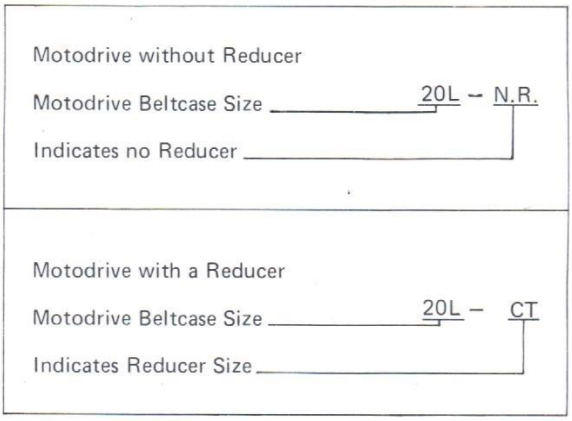
SIMPLE, FAST MAINTENANCE
Just give it occasional lubrication. It's that simple, that sensible. The cast-iron enclosure is corrosion resistant. And in "Hygiene" Motodrive is cleaned in place the same way as the machine it powers.

SAFETY IN DESIGN
Completely self contained construction means no guards or enclosures are needed for components. Permanently sealed spring cartridge (on all models in excess of 1.5kW) provides safer field maintenance.

A-C MOTORS
Reeves Vari-Speed Motodrive utilizes a standard flange mounting TEFC Motor to AS1359 and AS1360 standards. Should motor replacement ever be necessary, the standard flange mounting makes it fast and easy without alignment problems.

PRINCIPLE AND ARRANGEMENT
Heavy-Duty tensile cord belt construction together with prealigned Vee Pulleys accurately machined from close grained cast iron assures long life and less power loss even in arduous applications. Cog type belt construction reduces operating temperature and combines grip with maximum flexibility. Reducers offer a variety of gear ratios from 2:1 to 140:1. Gears are manufactured from high tensile steel, case hardened or hardened and tempered.
Gears are profile ground and are rated according to AGMA Standards for strength and durability.
Bearings and Shafts are generously proportioned for long life at maximum loads. Patented 'Close-Grooving' lubrication assures positive lubrication of the Pulley Shafts.

NOMENCLATURE



MOTOR AND CURRENT
Reeves Vari-Speed Motodrives are equipped with standard flange mounting motors of T.E.F.C. squirrel cage construction.
Motors are suitable for 415 volt, 3 phase, 50 hertz supply. Under normal conditions the Motodrive i suitable for direct-on-line starting. Where unusual or severe starting conditions exist the application should be referred to a Reliance Sales Office.

MOUNTING
The Motodrive is normally supplied in the floor mounting arrangement, Wall, ceiling and flange mounting arrangements are also available upon request.

LUBRICATION ACCESS
When mounting the Motodrive, provision should be made for normal maintenance of lubrication points including reducer oil level, fill and drain plugs.

TEMPERATURE RATING
The ambient operating temperature should not exceed 40°C under normal conditions. Where the ambient temperature normally exceeds 40°C refer details of the application to your Reliance Sales Office.

SPECIAL MOTORS
Motors such as D.I.P., flameproof, hoseproof etc. can be supplied.
Non-standard voltage and frequency motors can be provided to suit customer requirements.
Customer supplied motors can also be fitted.

CONTENTS

MOTODRIVE — GENERAL DESCRIPTION

There are as many reasons to choose a REEVES MOTODRIVE as there are Motodrive features. Along with its traditional proven design, the REEVES MOTODRIVE offers the materials, design and rigid construction demanded by todays needs.

Check these Features:

1. The Motodrive handwheel has built in 'Posi-stop' location which prevents drift from the set speed. The hand-wheel can be repositioned simply by rotating the control cover in most models.

2. Calibrated spring pressure ensures correct belt tension at all speeds. Motodrives above 1.5kW rating have a self contained spring assembly which prevents spring 'escape' during disassembly.

3. Sure-gripping variable speed belt is quickly and easily replaced simply by removing 8 bolts. Built-in pulley alignment provides ease of service even in the field.

4. Patented 'close grooving' lubrication distributes lubricant smoothly and evenly over all sliding contact areas. This prevents any metal to metal contact and virtually eliminates fretting corrosion. Excess grease escapes from the back of the pulley.

5. One piece case iron belt case provides maximum strength and rigidity and provides lasting alignment of all internal components.

6. Constant speed variable pitch pulley is located next to the motor bearing for minimum overhung load.

7. Stock standard metric motors with flange sizes to AS1360 part 10-1975 facilitates replacement in the field.

8. Heavy duty gearboxes are designed to meet requirements of the AGMA.

All REEVES MOTODRIVES are suitable for bidirectional rotation with full output power being delivered in either direction.

The REEVES MOTODRIVE has undergone thirty years of development and improvement with no change to its basic dependable principle.

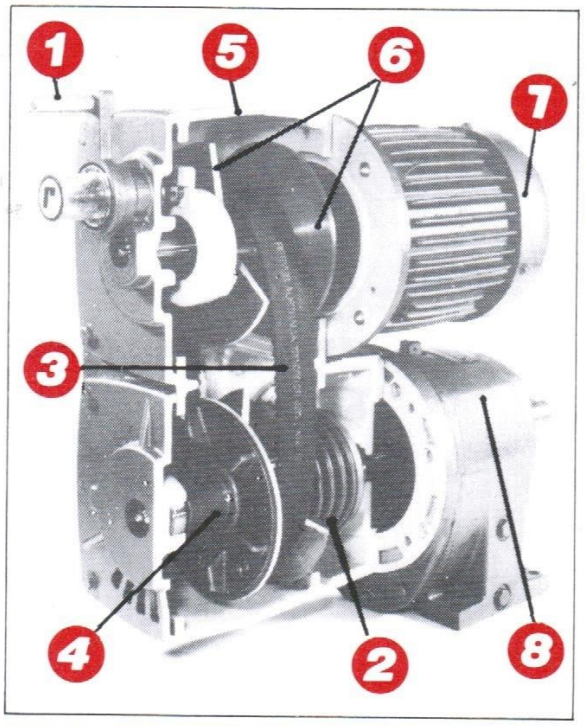
Because Reliance Automation manufactures REEVES MOTODRIVES in Australia, we are able to offer the following benefits to our customers:

(a) Special Motodrives of many types & description
(b) Motodrives to clients specification
(c) Quick delivery
(d) Ready availability of parts. (Parts can be supplied for drives up to 30 years old).
(e) Proven reliability
(f) Repair service by the manufacturers
(g) Technical backup and application advice

The following options are available:

Electric Remote Speed Change
High/Low speed limits for Electric Remote Speed Change
Mechanical Dial Speed Indicator
Electric Speed Indicator
Air Controller
Electric Disc Brake
Electronic Speed Control
High Speed Shaft (in lieu of motor)
Wall Mounting
Special Output Shafts
Special Enclosures (including weather & hose resisting & hygiene units)
Weather proof, Tropic proof & flameproof motors
Corrosion resistant materials
Flange Mounting Output

For full details see Motodrive - Options

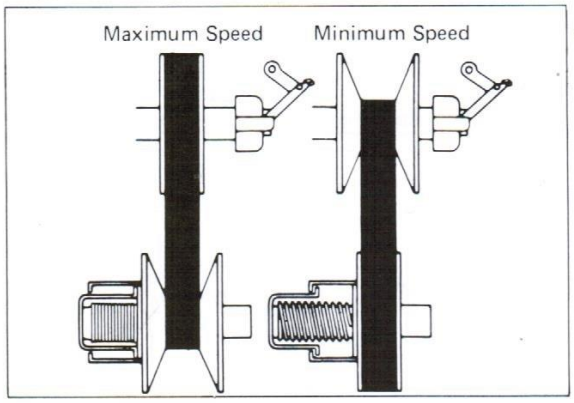


MOTODRIVE — SELECTION & OPERATION

Engineering Data

Principle of Operation

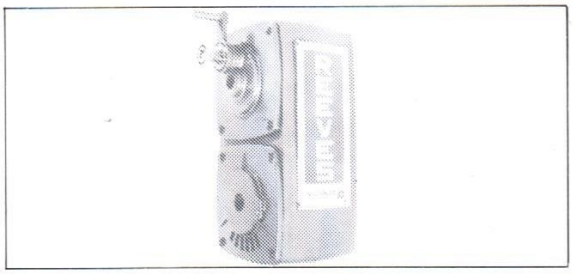
The Reeves Vari-speed Motodrive is a mechanical variable speed drive unit consisting of motor, variable vee belt drive and gearbox where required. Speed variation is obtained by simultaneous adjustment of both driving and driven pulley diameters. The cog belt is wider than a normal vee belt to allow for variation of Pitch Circle Diameter of the pulleys and thicker to withstand the lateral pressure which is applied to it.



Construction

Beltcase

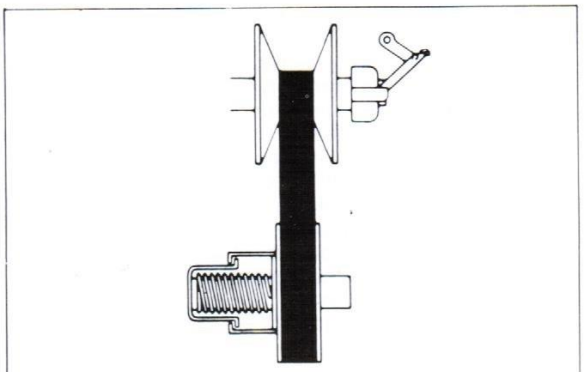
The variable speed belt and pulley drive is contained in a cast iron beltcase with shafts at fixed centres. The casing has an inspection cover on each side. Shaft end covers have vents for belt, pulley and bearing ventilation. These are placed in such a position as to make the unit splash resistant.



Pulleys

Driving and driven pulleys are constructed of separate pulley halves. The driving pulley fixed half is mounted on the motor shaft whilst the other half slides on the fixed half and is controlled by a yoke through a screw and handwheel.

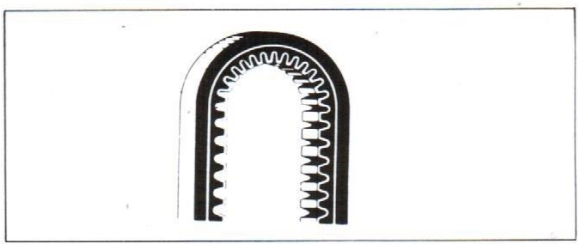
The driven pulley halves are mounted on the variable speed shaft, the fixed half is diagonally opposite the constant speed fixed half to maintain the belt alignment. The sliding half is pressed against the belt by a helical compression spring. This means that the drive is correctly adjusted at all times and automatically compensates for wear.



Shafts are hard chrome plated, to prevent fretting corrosion

Belt

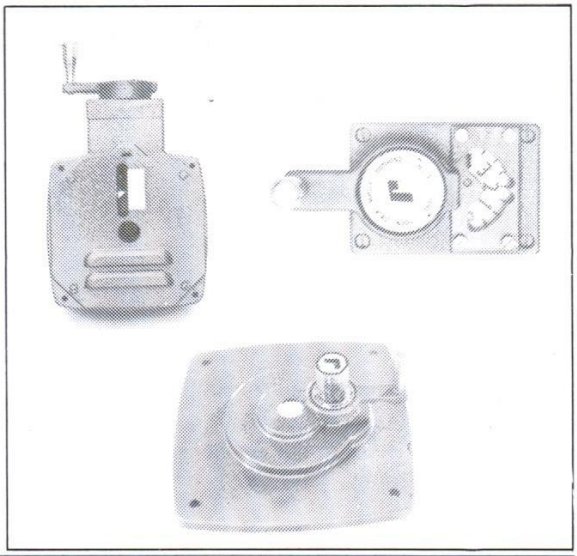
The heavy duty cog belt, specially manufactured for Reliance is constructed from heat & oil resistant neoprene. The underside of the belt is notched to permit easier flexing around pulleys to increase the belt life.



Speed Indicator

The standard speed control is by handwheel and on models 20A, 30 & 40 a sliding pointer scale is provided on the face of the control. The 20L & 30L use a graduated barrel.

A dial indicator is standard on the Model 600 and optional on 20L & 30L models.



Drive Selection

Drive Information

For economical, correct Motodrive selection the following details should be ascertained.

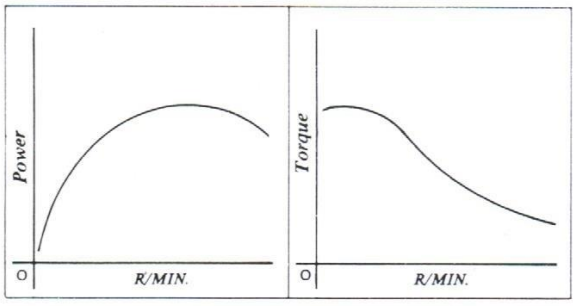
1) Load type & torque requirements
2) Output speed range & power requirements
3) Environmental conditions
4) Applicable codes
5) How load is to be connected to output shaft
6) Mounting Position (floor, wall, etc.)
7) Power supply details (volts, hertz, single or three phase)
8) Control type (Handwheel, Electric Remote Control, Airtrol, Electronic)
9) Control Position
10) If other than normal duty, add —
    Size and frequency of load
    Hours of operation per day or week
    Frequency of stops and starts
    Inertia load (WK2)
    Frequency of reversal of rotation
11) Tachometer calibrations if required.

Ratings

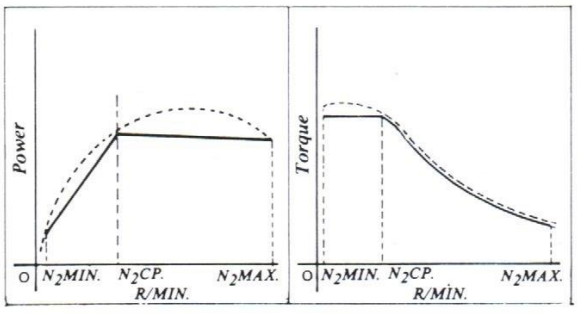
Power/Torque Characteristics

The true characteristic of the variable speed belt drive is neither constant torque nor constant power.

It is a combination of both and can be illustrated thus:



To simplify tabulation of the ratings the curves have been modified and are illustrated thus:



These ratings therefore are slightly conservative.

In all cases the drive should be selected such that the maximum speed is above the speed N_2cp as maximum power is only delivered above this speed.

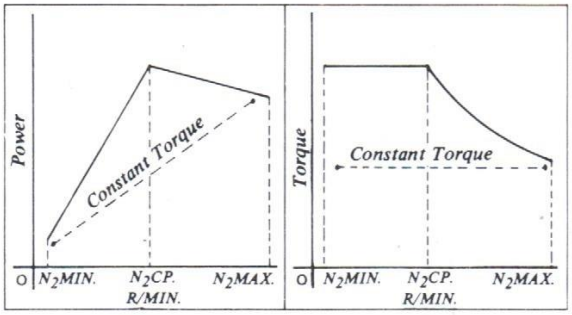
Selections

To make the most economical selection it is necessary to determine the **actual torque** or **power** requirement and the **speed range** over which it is to be used.

Characteristics of the torque or power should be established. i.e. drive is:

(a) Constant torque
(b) Constant power
(c) Combination of (a) and (b)
(d) Power varies with some function of speed.

(a) Constant Torque Application

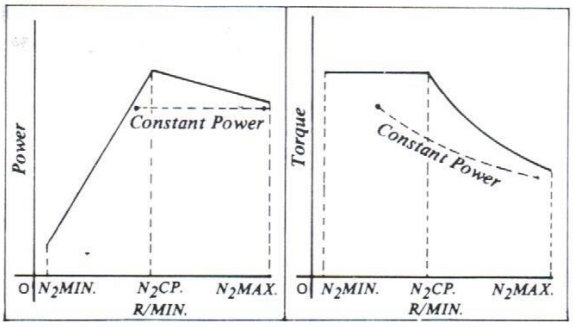


The diagrams illustrate typical power and torque curves for Motodrive and/or Motodrive/reducer combinations. The constant torque line has been plotted on these curves. The torque plot MUST be below the curve for the drive.

The torque should be calculated from the formula

$$\text{Torque (N.m)} = \frac{\text{Power (kW)} \times 9550}{\text{r/min. max.}}$$

(b) Constant Power Application



Again the power requirement must be below the plot for the drive.

Types (c) and (d) should be referred to the nearest Reliance Automation office or distributor, quoting details as under drive information.

Using the Tables

Terminology

N_2 is the speed of the low speed shaft in r/min.

N_2min and N_2 max show the actual speed range available in r/min.

$n_2$cp is the speed at which the drive ceases to be constant power and becomes constant torque.

Power at N_2 max is the actual power available at maximum speed and power at $n_2$cp is the actual power available at the constant power point.

Torque between $n_2$cp and N_2 MIN is constant.

Examples

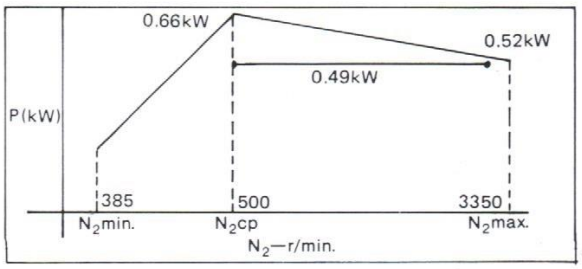
The main spindle of a small wood turning lathe is to be driven at infinitely variable speeds between 500 and 3200 r/min. The actual power requirements is taken as being constant over the range and is 0.49kW. Select a suitable *Reeves Motodrive.*

Nearest speed range is 385 to 3350 rpm and the "constant power" range is 500 r/min (0.66kW) to 3350 r/min (052kW).

So the power available is in excess of that required at both speeds.

So a 0.75kW Model 20L NR would be the selection. Choose assembly and options from the relevant sections.

Graphically this is shown



A sand conveyor is to operate over a speed range 13-100 r/min. The torque is constant at 165N.m throughout this range. Select a suitable motodrive.

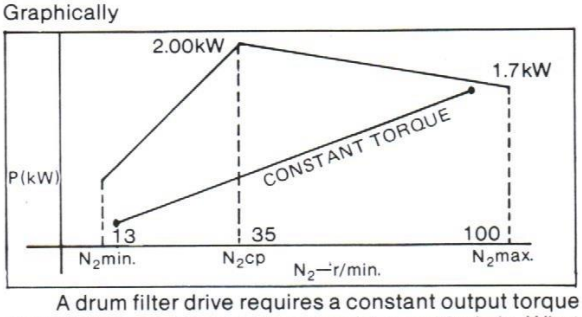
$$\text{Power (kW)} = \frac{\text{Torque x r/min (max)}}{9550}$$

$$= \frac{165 \times 100}{9550}$$

$$= 1.73\text{kW}$$

Choose 2.2kW Model 30L-44 with an actual speed range of 13-100 r/min. So the Motodrive has ample capacity.

Graphically



A drum filter drive requires a constant output torque of 1500 N.m over a speed range of 1.8 to 10 r/min. What size drive is required?

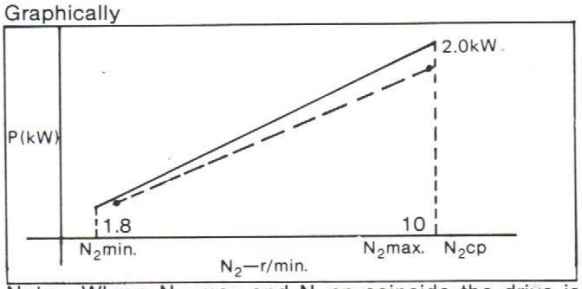
$$\text{Power (kW)} = \frac{\text{Torque x r/min (max)}}{9550}$$

$$= \frac{1500 \times 10}{9550}$$

$$= 1.57\text{kW}$$

A 2.2kW Model 30L-25 would be the selection.

Graphically



Note - Where N_2 max and N_2cp coincide the drive is purely a constant torque drive.

Having selected the *Reeves* drive, the next thing to do is examine the method of coupling the output shaft of the *Reeves* to the drum machine.

The best method is by direct coupling using a flexible connection. This way overhung loads on the output shaft and bearing are avoided. If chain or belt drives are used then the resulting overhung loads must be examined.

Refer following page for details.

Overloads

The variable output characteristics of *Reeves Motodrives* means that normal motor overload protection devices do not protect the drive against overloads.

Protection against overloads can only be provided by fitting a torque limiting device to the output shaft.

OVERHUNG LOADS

Overhung Loads

There are some situations which require a chain or belt drive to be fitted to the Motodrive output shaft.

When this occurs an overhung load or bending moment is applied to the shaft which exerts extra load on the motodrive output shaft bearings.

Allowance must be made for this & the following formulae can be used to calculate the overhung load:

$$\text{Overhung Load} = \frac{2000 \times T \times F}{\text{Diameter}}$$

or

$$\text{Overhung Load} = \frac{KW \times F \times 191 \times 10^5}{\text{Diameter} \times \text{r/min.}}$$

Where T = Torque (N.m)

Diameter = Pitch diameter of vee belt sheave, sprocket or pinion & outside of flat belt pulley in mm.

F = Factor from table 1.

r/min = r/min. (max)

Example

A 4kW 30L-44 Motodrive, speed range 9-50 r/min is to have a chain drive (tight 1 side) mounted on the output shaft. The sprocket on the output shaft is 250mm pitch diameter. Calculate the overhung load and check it against the value shown in Table 2.

From Page 5 Section 3 the power available at n_2 max. is 3.56kW and Factor (F) table 1 = 1

$$\text{Overhung load} = \frac{Kw \times F \times 191 \times 10^5}{\text{Diameter} \times \text{r/min}}$$

$$= \frac{3.56 \times 1 \times 191 \times 10^5}{250 \times 50}$$

$$= 5440 \text{ N}$$

This is within the capacity of the 44 reducer of 5800 N.

TABLE 1

TYPE OF DRIVE	FACTOR (F)
Chain drive (tight one side)	1
Chain drive (tight both sides)	1.25
Pinion	1.25
Vee belt drive (1:1 ratio)	1.5
Vee belt drive (other ratios)	1.5 to 2
Flat belt drive	2.5

The figures obtained must then be compared with the values shown in Table 2. (Output Shaft Capacity)

TABLE 2

ALLOWABLE OVERHUNG LOAD (Newtons)			
Reducer Size	At Centre of Output Shaft	Reducer Size	At Centre of Output Shaft
12	1600	CT	5260
13	2700	D	7760
15	4600	DT	7740
42	3000	25	10,400
43	5400	26	19,100
44	5800	27	20,200
C	5760	61	6670

Overhung load ratings vary with ratio. Figures in table 2 are minimum values. For exact values refer to Reliance Automation.

Note: Use the largest practicable pulley or sprocket diameter as increasing the diameters reduces the overhung load.

REEVES

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PARALLEL SHAFT SELECTION DATA
0.75kW — MODEL 20L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	385	3850 3350 2860	0.50 0.52 0.54	500	0.66	12.7	20L-NR	31
Standard	385	2360 1870 1375 880	0.57 0.60 0.62 0.63	500	0.66	12.7	20L-NR	31
Extended	165	1650 1440 1230	0.48 0.50 0.52	215	0.64	28	20L-12	32
Standard	165	1010 800 590 380	0.55 0.57 0.59 0.60	215	0.64	28	20L-12	32
Extended	80	800 700 590	0.48 0.50 0.52	105	0.64	59	20L-12	32
Standard	80	490 390 285 185	0.55 0.57 0.59 0.60	105	0.64	59	20L-12	32
Extended	53	530 460 390	0.54 0.55 0.58	105	0.64	59	20L-12/6	32
Standard	53	325 260 190 120	0.60 0.60 0.61 0.62	105	0.64	59	20L-12/6	32
Extended	28	280 245 210	0.47 0.49 0.51	37	0.64	164	20L-42	34
Standard	28	170 135 100 65	0.55 0.57 0.58 0.59	37	0.64	164	20L-42	34
Extended	15	145 125 110	0.47 0.48 0.51	33	0.60	174	20L-42	34
Standard	15	90 70 50 33	0.53 0.56 0.58 0.60	33	0.60	174	20L-42	34
Extended	10	93 80 70	0.47 0.49 0.51	33	0.58	168	20L-42	34
Standard	10	60 46 33	0.54 0.56 0.58	33	0.58	168	20L-42	34

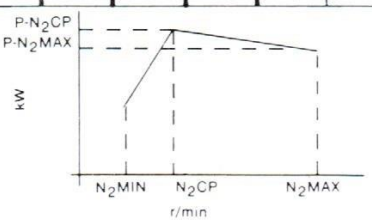
N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
7	62 55 46	0.54 0.54 0.56	33	0.58	168	20L42/6	34
7	33	0.58	33	0.58	168	20L-42/6	34
4.5	44 38 33	0.51 0.53 0.55	15	0.60	382	20L-43/6	34 37
4.5	27 21 15	0.56 0.58 0.60	15	0.60	382	20L-43/6	34 37
3.6	36 31 27	0.46 0.47 0.49	10	0.59	563	20L-CT	37
3.6	22 18 14 10	0.53 0.55 0.56 0.59	10	0.59	563	20L-CT	37
2.7	26.7 24 21	0.46 0.47 0.49	11	0.56	486	20L-CT	37
2.7	18 15 11	0.51 0.53 0.56	11	0.56	486	20L-CT	37
1.8	17.9 16 14	0.52 0.53 0.54	11	0.56	486	20L-CT/6	37
1.8	11	0.56	11	0.56	486	20L-CT/6	37

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
INDUSTRIAL POWER TRANSMISSION SPECIALISTS

www.alltorque.com.au
www.alltorquetransmissions.com

PARALLEL SHAFT SELECTION DATA
1.1kW — MODEL 20L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	385	3850 3350 2860	0.90 0.91 0.94	850	1.02	11.5	20L-NR	31
Standard	385	2360 1870 1375 880	0.96 0.98 1.00 1.02	850	1.02	11.5	20L-NR	31
Extended	165	1650 1440 1230	0.85 0.88 0.91	365	0.98	25.7	20L-12	32
Standard	165	1010 800 590 380	0.92 0.96 0.96 0.98	365	0.98	25.7	20L-12	32
Extended	80	800 700 590	0.85 0.88 0.90	180	1.00	53.0	20L-12	32
Standard	80	490 390 285 185	0.92 0.95 0.96 0.98	180	1.00	53.0	20L-12	32
Extended	53	530 460 390	0.92 0.94 0.95	180	1.00	53.0	20L-12/6	32
Standard	53	325 260 190	0.97 0.97 0.98	180	1.00	53.0	20L-12/6	32
Extended	28	280 245 210	0.83 0.86 0.88	62	0.96	148	20L-42	34
Standard	28	170 135 100 62	0.91 0.93 0.94 0.96	62	0.96	148	20L-42	34
Extended	15	145 125 110	0.83 0.85 0.87	53	0.92	166	20L-42	34
Standard	15	90 70 53	0.90 0.90 0.92	53	0.92	166	20L-42	34
Extended	10	93 80 70	0.83 0.84 0.87	52	0.89	164	20L-42	34
Standard	10	60 52	0.88 0.89	52	0.89	164	20L-42	34

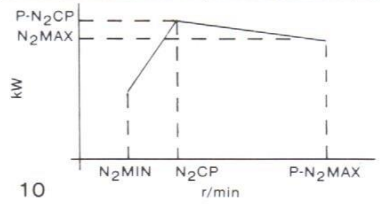
N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
7	62 52	0.88 0.89	52	0.89	164	20L-42/6	34
4.5	44 38 33	0.88 0.89 0.90	24	0.92	366	20L-43/6	34 37
4.5	28 24	0.91 0.92	24	0.92	366	20L-43/6	34 37
3.6	36 31 27	0.82 0.83 0.86	16	0.91	543	20L-CT	37
3.6	24 20 16	0.88 0.90 0.91	16	0.91	543	20L-CT	37
2.7	26.7 24 21	0.82 0.83 0.85	18	0.88	467	20L-CT	37
2.7	18	0.88	18	0.88	467	20L-CT	37
1.85	18.5 16 14	0.88 0.90 0.91	9.5	0.92	925	20L-DT/6	37
1.85	11 9.5	0.92 0.92	9.5	0.92	925	20L-DT/6	37

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT SELECTION DATA
1.5kW — MODEL 20L

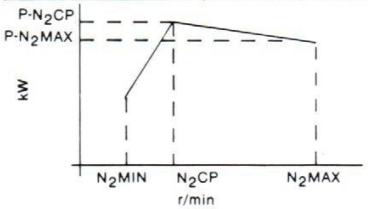
SPEED RANGE	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	385	3850 3350 2860	1.25 1.26 1.29	1200	1.38	11.0	20L-NR	31	10	93 79 70	1.17 1.19 1.20	70	1.20	164	20L-42	34
Standard	385	2360 1870 1375 1200	1.33 1.37 1.37 1.38	1200	1.38	11.0	20L-NR	31								
Extended	165	1650 1440 1230	1.20 1.23 1.25	520	1.34	24.6	20L-12	32	7	66 60 50	1.16 1.17 1.20	32.5	1.23	360	20L-43	34 37
Standard	165	1010 800 590 520	1.28 1.31 1.32 1.34	520	1.34	24.6	20L-12	32	7	40 32.5	1.22 1.23	32.5	1.23	360	20L-43	34 37
Extended	80	800 700 590	1.20 1.22 1.26	250	1.33	50	20L-12	32	3.6	36 29 22	1.17 1.20 1.22	22	1.22	529	20L-CT	37
Standard	80	490 390 285 250	1.28 1.28 1.31 1.33	250	1.33	50	20L-12	32								
Extended	49	485 430 370	1.19 1.22 1.23	151	1.30	82	20L-42	34	2.7	26.7 24.4	1.17 1.17	24	1.17	465	20L-CT	37
Standard	49	320 260 200 151	1.25 1.26 1.28 1.30	151	1.30	82	20L-42	34								
Extended	36	360 320 275	1.19 1.22 1.23	113	1.30	110	20L-42	34	2.8	28 24 21	1.17 1.17 1.20	12.5	1.24	947	20L-DT	37
Standard	36	240 195 160 113	1.25 1.26 1.28 1.30	113	1.30	110	20L-42	34	2.8	17 12.5	1.22 1.24	12.5	1.24	947	20L-DT	37
Extended	28	280 245 210	1.20 1.22 1.25	87	1.32	145	20L-42	34								
Standard	28	170 135 100 87	1.29 1.30 1.31 1.32	87	1.32	145	20L-42	34								
Extended	15	145 125 110	1.17 1.19 1.21	72	1.25	165	20L-42	34								
Standard	15	90 72	1.23 1.25	72	1.25	165	20L-42	34								

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n_2cp — TORQUE IS CONSTANT BELOW n_2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
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PARALLEL SHAFT SELECTION DATA
2.2kW — MODEL 30L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	350	3500 3050 2600	1.74 1.98 2.04	950	2.17	21.8	30L-NR	31
Standard	350	2150 1700 1250 950	2.11 2.17 2.17 2.17	950	2.17	21.8	30L-NR	31
Extended	165	1650 1440 1225	1.63 1.85 1.97	450	2.10	44.6	30L-13	32
Standard	165	1015 800 590 450	2.02 2.09 2.10 2.10	450	2.10	44.6	20L-13	32
Extended	72	720 625 535	1.66 1.84 1.97	195	2.08	102	30L-13	32
Standard	72	440 350 260 195	2.03 2.08 2.08 2.08	195	2.08	102	30L-13	32
Extended	48	480 350	2.01 2.08	195	2.08	102	30L-13/6	32
Standard	48	260 195	2.08 2.08	195	2.08	102	30L-13/6	32
Extended	37.8	378 330 290	1.64 1.81 1.91	103	2.04	189	30L-43	34
Standard	37.8	250 200 160 103	1.98 2.02 2.03 2.04	103	2.04	189	30L-43	34
Extended	24.4	244 215 190	1.64 1.81 1.91	67	2.03	290	30L-43	34
Standard	24.4	160 130 105 67	1.98 2.02 2.03 2.03	67	2.03	290	30L-43	34
Extended	13	130 115 100	1.60 1.78 1.88	35	2.00	546	30L-44	38
Standard	13	85 70 50 35	1.95 1.98 2.00 2.00	35	2.00	546	30L-44	38

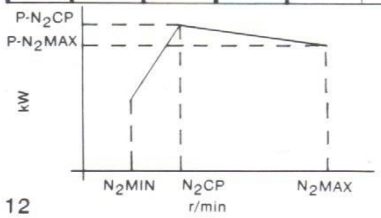
N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
8.4	84 74 65	1.60 1.78 1.88	23	2.00	830	30L-44	38
8.4	55 45 35 23	1.94 1.98 2.00 2.00	23	2.00	830	30L-44	38
3.7	36.6 30 25	1.61 1.84 1.92	20	1.98	945	30L-DT	38
3.7	20	1.98	20	1.98	945	30L-DT	38
2.5	24.4 21 18	1.60 1.82 1.88	10	2.00	1910	30L-25	37
2.5	15 12 10	1.95 2.00 2.00	10	2.00	1910	30L-25	37
1.63	16.3 14 12	1.94 1.96 2.00	10	2.00	1910	30L-25/6	37
1.63	10	2.00	10	2.00	1910	30L-25/6	37

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT
SELECTION DATA
2.2kW — MODEL 20K

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Standard	500	3000	1.96	1750	2.03	11.1	20K-NR	31
		2750	1.97					
		2500	1.98					
		2250	2.00					
		2000	2.02					
		1750	2.03					
Standard	238	1428	1.88	833	1.95	22.3	20K-12	32
		1310	1.89					
		1190	1.90					
		1071	1.92					
		952	1.94					
		833	1.95					
Standard	215	1285	1.88	750	1.95	24.8	20K-12	32
		1180	1.89					
		1070	1.90					
		960	1.92					
		860	1.94					
		750	1.95					
Standard	104	623	1.88	364	1.95	51	20K-12	32
		570	1.89					
		520	1.90					
		470	1.92					
		415	1.94					
		364	1.95					
Standard	70	419	1.84	245	1.91	74	20K-22	32
		385	1.85					
		350	1.86					
		315	1.88					
		280	1.90					
		245	1.91					
Standard	48	288	1.84	168	1.91	108	20K-22	32
		265	1.85					
		240	1.86					
		215	1.88					
		190	1.90					
		168	1.91					
Standard	38	223	1.84	130	1.91	140	20K-22	32
		205	1.85					
		185	1.86					
		167	1.88					
		149	1.90					
		130	1.91					

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
19	112	1.84	66	1.91	276	20K-22	32
	103	1.85					
	94	1.86					
	84	1.88					
	75	1.90					
	66	1.91					
12	72	1.80	51	1.85	346	20K-43	34
	66	1.81					37
	60	1.82					
	55	1.84					
	51	1.85					
8.1	48.5	1.80	32.8	1.84	535	20K-CT	37
	44.4	1.81					
	40.4	1.82					
	36.4	1.84					
	32.8	1.84					
5.3	31.4	1.80	18.6	1.86	955	20K-DT	37
	28.7	1.81					
	26.1	1.82					
	23.5	1.84					
	20.9	1.85					
	18.6	1.86					
3.6	21.4	1.80	18.0	1.82	965	20K-DT	37
	19.6	1.81					
	18.0	1.82					

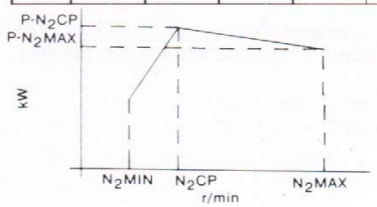
STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES

*** CHECK WITH FACTORY**



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT
SELECTION DATA
4.0kW — MODEL 30L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	350	3500 3050 2600	3.45 3.60 3.78	1750	3.90	21.3	30L-NR	31
Standard	350	2150 1750	3.87 3.90	1750	3.90	21.3	30L-NR	31
Standard	165	1650 1440 1225	3.31 3.46 3.63	830	3.74	43.0	30L-13	32
Extended	165	1015 830	3.72 3.74	830	3.74	43.0	30L-13	32
Extended	72	720 625 535	3.31 3.46 3.63	360	3.74	99	30L-13	32
Standard	72	440 360	3.72 3.74	360	3.74	99	30L-13	32
Standard	44.4	444 387 330	3.24 3.39 3.55	222	3.66	157	30L-43	34
Standard	44.4	273 222	3.64 3.66	222	3.66	157	30L-43	34
Extended	38	378 330 280	3.24 3.39 3.55	190	3.66	185	30L-43	34
Standard	38	230 190	3.64 3.66	190	3.66	185	30L-43	34
Extended	24.4	244 220 200	3.24 3.38 3.48	122	3.67	287	30L-43	34
Standard	24.4	180 155 122	3.55 3.62 3.67	122	3.67	287	30L-43	34
Extended	13	130 115 100	3.17 3.31 3.45	66	3.61	522	30L-44	38
Standard	13	80 66	3.55 3.61	66	3.61	522	30L-44	38

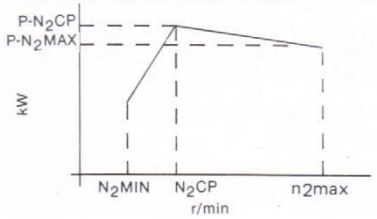
N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
8.4	84 73 63	3.17 3.31 3.45	42	3.61	821	30L-44	38
8.4	51.5 42	3.55 3.61	42	3.61	821	30L-44	38
3.4	34 30 25	3.17 3.31 3.48	17	3.59	2016	30L-25	37
3.4	22 17	3.56 3.59	17	3.59	2016	30L-25	37
2.5	24.4 21.0 17.5	3.17 3.36 3.50	17.5	3.50	1910	30L-25	37

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n2cp — TORQUE IS CONSTANT BELOW n2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT
SELECTION DATA
5.5kW — MODEL 30K

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	470	2800 2600 2400	5.09 5.20 5.23	1750	5.39	29.4	30K-NR	30
Standard	470	2150 2000 1750	5.33 5.34 5.39	1750	5.39	29.4	30K-NR	30
Extended	220	1315 1220 1125	4.89 4.99 5.02	820	5.17	60	30K-13	33
Standard	220	1010 940 820	5.11 5.12 5.17	820	5.17	60	30K-13	33
Extended	95	575 530 490	4.89 4.99 5.02	360	5.17	137	30K-13	33
Standard	95	440 410 360	5.11 5.12 5.17	360	5.17	137	30K-13	33
Extended	50	300 280 260	4.78 4.89 4.91	190	5.06	256	30K-43	36
Standard	50	230 215 190	5.00 5.02 5.06	190	5.06	256	30K-43	36
Extended	32	195 180 165	4.78 4.89 4.91	120	5.06	400	30K-44	36
Standard	32	150 140 120	5.00 5.01 5.06	120	5.06	400	30K-44	36
Extended	17.5	105 97 90	4.68 4.78 4.81	65	4.95	723	30K-44	36
Standard	17.5	80 75 65	4.09 4.91 4.95	65	4.95	723	30K-44	36
Extended	11.3	67 60 56	4.68 4.78 4.81	47	4.90	995	30K-44	36
Standard	11.3	50 47	4.90 4.90	47	4.90	995	30K-44	36

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
4.5	27 25.5 23.5	4.68 4.78 4.81	17.0	4.95	2763	30K-25	35
4.5	21.0 19.6 17.0	4.90 4.91 4.95	17.0	4.95	2763	30K-25	35
3.2	19 17.7 16.4	4.68 4.78 4.81	12.0	4.95	3965	30K-26	35
3.2	14.7 13.6 12.0	4.90 4.91 4.95	12.0	4.95	3965	30K-26	35

STANDARD FEATURES:

- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

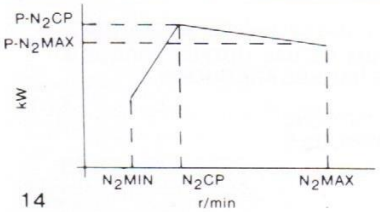
OPTIONS:

CONTROLS:

- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:

- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n2cp — TORQUE IS CONSTANT BELOW n2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
INDUSTRIAL POWER TRANSMISSION SPECIALISTS

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PARALLEL SHAFT
SELECTION DATA
5.5kW — MODEL 40

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	410	3280 2870	4.40 4.66	1250	5.26	40.0	40-NR	30
Standard	410	2460 2050 1640 1250	4.95 5.15 5.20 5.26	1250	5.26	40.0	40-NR	30
Extended	195	1560 1365	4.21 4.55	596	5.06	81	40-15	33
Standard	195	1170 975 780 596	4.76 4.93 5.00 5.06	596	5.06	81	40-15	33
Extended	95	760 660	4.21 4.55	290	5.06	166	40-15	33
Standard	95	570 470 380 290	4.76 4.93 5.00 5.06	290	5.06	166	40-15	33
Extended	65	515 450	4.23 4.51	195	5.05	247	40-15	33
Standard	65	385 320 206 195	4.75 4.93 5.01 5.05	195	5.05	247	40-15	33
Extended	42	334 290	4.23 4.52	127	5.05	380	40-D	36
Standard	42	250 210 170 127	4.74 4.93 5.03 5.05	127	5.05	380	40-D	36
Extended	26	205 180	4.12 4.46	78	4.95	606	40-D	36
Standard	26	153 128 102 78	4.66 4.83 4.90 4.95	78	4.95	606	40-D	36
Extended	15	123 107	4.05 4.29	47	4.84	983	40-DT	36
Standard	15	92 77 61 47	4.56 4.72 4.79 4.84	47	4.84	983	40-DT	36

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
10	80 70	4.05 4.29	47	4.75	964	40-DT	36
10	60 50 47	4.56 4.72 4.75	47	4.75	964	40-DT	36
6	45 40	4.05 4.29	24.5	4.77	1860	*40-25	36
6	34 28 24.5	4.56 4.72 4.77	24.5	4.77	1860	*40-25	36
4	32 28	4.05 4.29	15.5	4.78	2945	*40-25	36
4	24 20 15.5	4.56 4.72 4.78	15.5	4.78	2945	*40-25	36
2.8	22.4 19.5	4.05 4.29	12	4.77	3796	40-26	35 36
2.8	16.8 14 12	4.56 4.72 4.77	12	4.77	3796	40-26	35 36

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

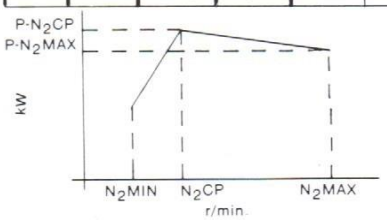
OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES

CHECK WITH FACTORY FOR DELIVERY

*'C' FLOW ONLY



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
INDUSTRIAL POWER TRANSMISSION SPECIALISTS

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PARALLEL SHAFT
SELECTION DATA
7.5kW — MODEL 40

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	410	3280 2870	6.46 6.76	1700	7.17	40.3	40-NR	30
Standard	410	2460 2050 1700	6.96 7.08 7.17	1700	7.17	40.3	40-NR	30
Extended	195	1560 1365	6.20 6.50	810	6.88	81	40-15	33
Standard	195	1170 975 810	6.71 6.82 6.88	810	6.88	81	40-15	33
Extended	95	760 665	6.20 6.50	394	6.88	167	40-15	33
Standard	95	570 475 394	6.74 6.78 6.88	394	6.88	167	40-15	33
Extended	65	515 450	6.20 6.50	266	6.88	247	40-15	33
Standard	65	385 320 266	6.74 6.78 6.88	266	6.88	247	40-15	33
Extended	42	334 290	6.04 6.40	173	6.74	372	40-D	36
Standard	42	250 210 173	6.50 6.70 6.74	173	6.74	372	40-D	36
Extended	26	205 180	6.07 6.36	106	6.74	607	40-D	36
Standard	26	155 128 106	6.60 6.64 6.74	106	6.74	607	40-D	36
Extended	15	120 111	5.94 6.16	67	6.54	932	40-DT	36
Standard	15	92 77 67	6.40 6.50 6.54	67	6.54	932	40-DT	36

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
10	80 72	5.94 6.16	65	6.31	927	40-DT	36
10	65	6.31	65	6.31	927	40-DT	36
6	45 40 34	5.94 6.23 6.40	34	6.40	1797	*40-25	36
4	32 26	5.94 6.31	21	6.48	2948	*40-25	36
4	21	6.48	21	6.48	2948	*40-25	36
2.8	22.4 19.5	5.94 6.22	16	6.44	3843	40-26	35 36
2.8	16.8 16	6.40 6.44	16	6.44	3843	40-26	35 36

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

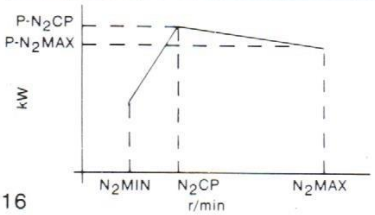
OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES

CHECK WITH FACTORY FOR DELIVERY

***'C' FLOW ONLY**



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT
SELECTION DATA
11.0kW — MODEL 40

SPEED RANGE	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	410	3000 2630	9.90 10.19	2000	10.68	51	40-NR	30
Standard	410	2260 2000	10.65 10.68	2000	10.68	51	40-NR	30
Extended	195	1430 1255	9.50 9.79	950	10.21	102	40-15	33
Standard	195	1080 950	10.13 10.21	950	10.21	102	40-15	33
Extended	95	694 610	9.50 9.79	463	10.21	210	40-15	33
Standard	95	525 463	10.13 10.21	463	10.21	210	40-15	33
Extended	65	470 410	9.50 9.79	310	10.21	314	40-15	33
Standard	65	355 310	10.14 10.21	310	10.21	314	40-15	33
Extended	42	305 270	9.29 9.53	200	10.04	480	40-D	36
Standard	42	230 200	10.00 10.04	200	10.04	480	40-D	36
Extended	31	223 195	9.29 9.53	150	10.04	640	40-D	36
Standard	31	168 150	10.00 10.04	150	10.04	640	40-D	36
Extended	18	130 115	9.10 9.37	86	9.83	1090	40-25	35 36
Standard	18	100 86	9.80 9.83	86	9.83	1090	40-25	35 36

N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
10	74 65	9.10 9.37	48	9.83	1956	40-25	35 36
10	56 48	9.80 9.83	48	9.83	1956	40-25	35 36
6	42 37.2	9.10 9.37	28	9.83	3353	40-26	35 36
6	32.3 28	9.80 9.83	28	9.83	3353	40-26	35 36
5	33.5 30	9.00 9.33	22	9.83	4267	40-27	35
5	26 22	9.75 9.83	22	9.83	4267	40-27	35

STANDARD FEATURES:

- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

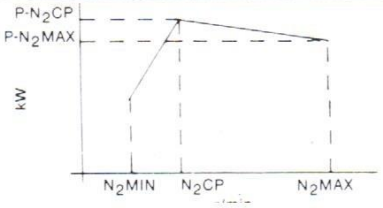
CONTROLS:

- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:

- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES

CHECK WITH FACTORY FOR DELIVERY



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n_2cp — TORQUE IS CONSTANT BELOW n_2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT SELECTION DATA
15.0kW — MODEL 40k

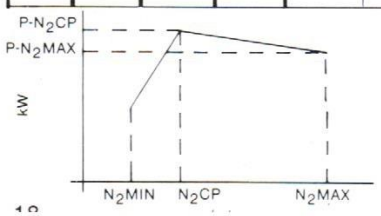
SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Standard	450	2500 2210 2000	14.20 14.35 14.50	2000	14.50	69	40K-NR	30
Standard	215	1200 1060 950	13.63 13.78 13.92	950	13.92	139	40K-15	33
Standard	104	580 520 463	13.63 13.78 13.92	463	13.92	288	40K-15	33
Standard	48	264 237 210	13.35 13.49 13.63	210	13.63	619	40K-25	35 36
Standard	28	156 140 125	13.35 13.49 13.63	125	13.63	1040	40K-25	35 36
Standard	21	115 105 93	13.06 13.20 13.34	93	13.34	1369	40K-26	35
Standard	10	57 50 46	13.06 13.20 13.34	46	13.34	2769	40K-27	35

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

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PARALLEL SHAFT SELECTION DATA
22.0kW — MODEL 600

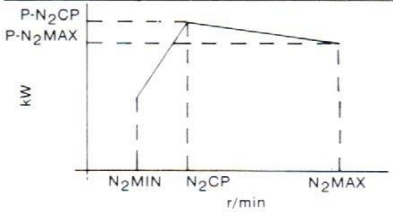
SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Standard	540	3240 2850 2470 2160 1850	19.43 19.77 19.91 20.10 20.50	1850	20.50	105	600-NR	28
Standard	263	1580 1440 1200 1050 900	18.64 18.97 19.11 19.30 19.47	900	19.47	206	661	29
Standard	150	900 790 685 600 520	18.65 19.00 19.11 19.30 19.47	520	19.47	357	661	29
Standard	65	390 343 298 260 233	18.27 18.58 18.72 18.90 19.27	223	19.27	825	600-27	35 36
Standard	41	244 215 190 165 140	18.27 18.58 18.72 18.92 19.27	140	19.27	1314	600-27	35 36
Standard	31	180 160 145 125 105	18.30 18.60 18.72 18.92 19.27	105	19.27	1752	600-27	35 36
Standard	20	120 106 94 80 69	17.88 18.18 18.32 18.59 18.86	69	18.86	2610		35 36
	13.3	80 70 62 54 46	17.88 18.18 18.32 18.52 18.86	46	18.86	3915	600-27	35 36

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
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PARALLEL SHAFT SELECTION DATA
30.0kW — MODEL 600

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Standard	540	3240 2850 2500	26.84 27.22 27.59	2500	27.59	105	600-NR	28
Standard	263	1580 1390 1220	25.77 26.13 26.49	1220	26.49	207	661	29
Standard	150	900 800 700	25.77 26.13 26.49	700	26.49	361	661	29
Standard	65	390 343 300	25.23 25.59 25.94	300	25.94	826	600-27	35 36
Standard	41	244 215 190	25.23 25.59 25.94	190	25.94	1303	600-27	35 36
Standard	31	180 160 140	25.23 25.59 25.94	140	25.94	1769	600-27	35 36
Standard	20	120 106 93	24.69 25.05 25.34	93	25.39	2607	600-27	35 36

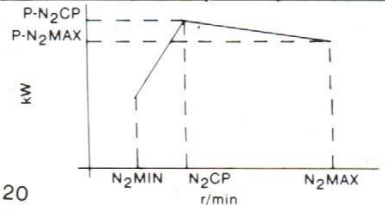
N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
13.3	80 71 62	24.69 25.05 25.38	62	25.38	3910	600-27	35 36

STANDARD FEATURES:
- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

OPTIONS:

CONTROLS:
- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:
- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

PARALLEL SHAFT SELECTION DATA
37.0kW — MODEL 600

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Standard	540	3240 3000 2800	34.00 34.25 34.50	2800	34.5	117.5	600-NR	28
Standard	263	1580	32.56	1580	32.56	197	661	29
Standard	150	900	32.40	900	32.40	343	661	29
Standard	65	390 360 337	31.89 32.35 32.40	337	32.40	918	600-27	35 36
Standard	41	244 225 211	31.89 32.35 32.40	211	32.40	1466	600-27	35 36
Standard	31	180 170 158	31.98 32.20 32.34	158	32.34	1954	600-27	35 36
Standard	20	120 110	31.89 32.35	110	32.35	2808	600-27	35 36

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
13.3	80 75	31.28 31.50	75	31.50	4010	600-27	35 36

STANDARD FEATURES:

- VENTILATED BELT CASE
- CHOICE OF ASSEMBLIES
- STANDARD METRIC FRAME MOTORS T.E.F.C. 40°C AMBIENT - 3 PHASE 415 V-50 Hz

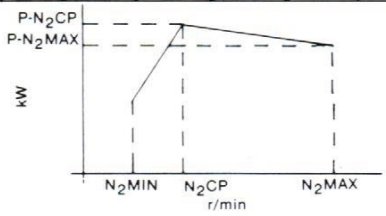
OPTIONS:

CONTROLS:

- PNEUMATIC
- ELECTRIC
- ELECTRONIC

OTHERS:

- FLANGE MOUNTING
- WALL MOUNTING
- RIGHT ANGLE REDUCERS
- HOLLOW SHAFT REDUCERS
- FLAMEPROOF MOTORS
- TROPIC PROOF MOTORS
- DUAL SPEED MOTORS
- HYGIENE DRIVES
- SHAFT INPUT
- BELTCASE ENCLOSURES
- ELECTRIC SPEED INDICATOR
- OTHER SPEED RANGES



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

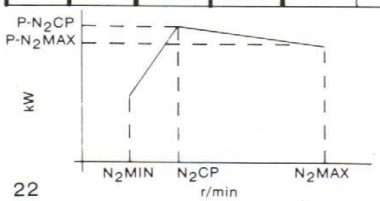
OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

RIGHT ANGLE SHAFT SELECTION DATA
0.75kW — MODEL 20L

SPEED RANGE	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	39.0	39.0 312	0.46 0.49	51	0.61	115	20L-HW60	39 40
Standard	39.0	234 156 78 51	0.52 0.56 0.59 0.51	51	0.61	115	20L-HW60	39 40
Extended	27.6	275 221	0.45 0.48	35.8	0.61	162	20L-HW60	39 40
Standard	27.6	166 110 55 35.8	0.52 0.55 0.58 0.61	35.8	0.61	162	20L-HW60	39 40
Extended	21.0	210 168	0.45 0.48	27.3	0.59	206	20L-HW60	39 40
Standard	21.0	126 84 42 27.3	0.51 0.55 0.58 0.59	27.3	0.59	206	20L-HW60	39 40
Extended	17.1	170 136	0.44 0.47	22.2	0.58	249	20L-HW60	39 40
Standard	17.1	102 68 34 22.2	0.50 0.54 0.56 0.58	22.2	0.58	249	20L-HW60	39 40
Extended	13.0	130 104	0.44 0.46	16.9	0.57	322	20L-HW60	39 40
Standard	13.0	78 52 26 16.9	0.50 0.53 0.56 0.57	16.9	0.57	322	20L-HW60	39 40
Extended	10.0	100 80	0.43 0.46	13.0	0.57	418	20L-HW60	39 40
Standard	10.0	60 40 20 13.0	0.49 0.52 0.55 0.57	13.0	0.57	418	20L-HW60	39 40
Extended	7.8	77.4 62	0.41 0.43	10.1	0.54	512	20L-HW60	39 40
Standard	7.8	46 31 16 10.1	0.47 0.50 0.52 0.54	10.1	0.54	512	20L-HW60	39 40

N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
6.1	60.7 49	0.40 0.42	9.1	0.52	545	20L-HW60	39 40
6.1	36 24 12 9.1	0.46 0.49 0.51 0.52	9.1	0.52	545	20L-HW60	39 40
4.8	48.2 39	0.40 0.42	8.6	0.51	570	20L-HW60	39 40
4.8	30 19 9.7 8.6	0.45 0.48 0.50 0.51	8.6	0.51	570	20L-HW60	39 40
4.1	41.2 33	0.35 0.37	7.4	0.44	570	20L-HW60	39 40
4.1	25 16 8.3 7.4	0.39 0.42 0.44 0.44	7.4	0.44	570	20L-HW60	39 40
3.1	30.8 24	0.34 0.36	6.9	0.43	595	20L-HW60	39 40
3.1	18 12 9.2 6.9	0.38 0.41 0.42 0.43	6.9	0.43	595	20L-HW60	39 40
2.42	24.1 19	0.33 0.34	6.5	0.41	605	20L-HW60	39 40
2.42	14 9.6 6.5	0.37 0.40 0.41	6.5	0.41	605	20L-HW60	39 40
1.92	19.2 14	0.32 0.33	6.1	0.39	615	20L-HW60	39 40
1.92	12 9.6 6.1	0.36 0.37 0.39	6.1	0.39	615	20L-HW60	39 40
1.70	16.9 14	0.32 0.33	6.1	0.39	620	20L-HW60	39 40
1.70	10 6.1	0.36 0.39	6.1	0.39	620	20L-HW60	39 40



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n_2cp — TORQUE IS CONSTANT BELOW n_2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

ALL TORQUE
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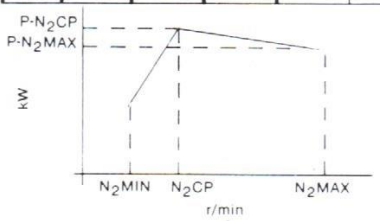
RIGHT ANGLE SHAFT SELECTION DATA
1.1kW — MODEL 20L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	39.0	390 312	0.83 0.85	86	0.94	104	20L-HW60	39 40
Standard	39.0	234 195 156 86	0.88 0.89 0.91 0.94	86	0.94	104	20L-HW60	39 40
Extended	27.6	275 220	0.82 0.84	61	0.93	145	20L-HW60	39 40
Standard	27.6	165 138 110 61	0.87 0.88 0.90 0.93	61	0.93	145	20L-HW60	39 40
Extended	21.0	210 168	0.81 0.83	46.4	0.92	189	20L-HW60	39 40
Standard	21.0	126 105 84 46.4	0.86 0.87 0.89 0.92	46.4	0.92	189	20L-HW60	39 40
Extended	17.1	170 136	0.79 0.81	37.7	0.90	227	20L-HW60	39 40
Standard	17.1	102 85 68 37.7	0.84 0.85 0.87 0.90	37.7	0.90	227	20L-HW60	39 40
Extended	13.0	130 104	0.78 0.80	28.8	0.89	295	20L-HW60	39 40
Standard	13.0	78 65 52 28.8	0.84 0.84 0.86 0.89	28.8	0.89	295	20L-HW60	39 40
Extended	10.0	100 80	0.77 0.79	22.1	0.88	379	20L-HW60	39 40
Standard	10.0	60 50 40 22.1	0.83 0.83 0.85 0.88	22.1	0.88	379	20L-HW60	39 40
Extended	7.8	77.4 62	0.74 0.75	17.1	0.84	467	20L-HW60	39 40
Standard	7.8	46 39 31 17.1	0.79 0.80 0.81 0.84	17.1	0.84	467	20L-HW60	39 40

N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
6.1	60.7 49	0.72 0.74	14.3	0.81	545	20L-HW60	39 40
6.1	36 30 24 14.3	0.77 0.78 0.79 0.81	14.3	0.81	545	20L-HW60	39 40
4.8	48.2 39	0.71 0.73	13.4	0.80	570	20L-HW60	39 40
4.8	30 24 19 13.4	0.76 0.77 0.78 0.80	13.4	0.80	570	20L-HW60	39 40
4.1	41.2 33	0.62 0.63	11.7	0.70	570	20L-HW60	39 40
4.1	25 21 16 11.7	0.66 0.67 0.68 0.70	11.7	0.70	570	20L-HW60	39 40
3.1	30.8 24	0.60 0.62	10.8	0.67	595	20L-HW60	39 40
3.1	18 15 12 10.8	0.64 0.65 0.66 0.67	10.8	0.67	595	20L-HW60	39 40
2.42	24.1 19	0.59 0.60	10.2	0.65	605	20L-HW60	39 40
2.42	14 10.2	0.62 0.65	10.2	0.65	605	20L-HW60	39 40
1.92	19.2 15	0.57 0.58	9.6	0.62	615	20L-HW60	39 40
1.92	12 9.6	0.60 0.62	9.6	0.62	615	20L-HW60	39
1.70	16.9 14	0.57 0.58	9.5	0.62	620	20L-HW60	39 40
1.70	10 9.5	0.60 0.62	9.5	0.62	620	20L-HW60	39 40



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

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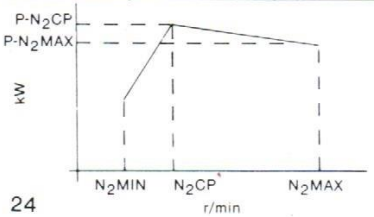
RIGHT ANGLE SHAFT SELECTION DATA 1.5kW — MODEL 20L

SPEED RANGE	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	39.0	390 312	1.15 1.17	122	1.27	99	20L-HW60	39 40
Standard	39.0	234 195 156 122	1.22 1.25 1.26 1.27	122	1.27	99	20L-HW60	39 40
Extended	27.6	275 221	1.14 1.16	86	1.26	139	20L-HW60	39 40
Standard	27.6	166 138 110 86	1.21 1.24 1.25 1.26	86	1.26	139	20L-HW60	39 40
Extended	21.0	210 168	1.13 1.14	66	1.24	181	20L-HW60	39 40
Standard	21.0	126 105 84 66	1.20 1.22 1.23 1.24	66	1.24	181	20L-HW60	39 40
Extended	17.1	170 136	1.10 1.12	53.2	1.21	217	20L-HW60	39 40
Standard	17.1	102 85 68 53.2	1.17 1.20 1.21 1.21	53.2	1.21	217	20L-HW60	39 40
Extended	13.0	130 104	1.09 1.10	40.6	1.20	282	20L-HW60	39 40
Standard	13.0	78 65 52 40.6	1.16 1.18 1.19 1.20	40.6	1.20	282	20L-HW60	39 40
Extended	10.0	100 80	1.08 1.10	31.2	1.19	363	20L-HW60	39 40
Standard	10.0	60 50 40 31.2	1.16 1.18 1.19 1.19	31.2	1.19	363	20L-HW60	39 40
Extended	7.8	77.4 62	1.03 1.04	24.2	1.13	447	20L-HW60	39 40
Standard	7.8	46 39 31 24.2	1.09 1.12 1.12 1.13	24.2	1.13	447	20L-HW60	39 40

N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
6.1	60.7 49	1.00 1.02	19.3	1.10	545	20L-HW60	39 40
6.1	36 30 24 19.3	1.06 1.09 1.10 1.10	19.3	1.10	545	20L-HW60	39 40
4.8	48.2 39	0.99 1.00	18.4	1.10	570	20L-HW60	39 40
4.8	30 24 18.4	1.05 1.07 1.10	18.4	1.10	570	20L-HW60	39 40
4.1	41.2 33	0.86 0.88	15.8	0.94	570	20L-HW60	39 40
4.1	25 21 15.8	0.92 0.94 0.94	15.8	0.94	570	20L-HW60	39 40
3.1	30.8 24	0.84 0.85	14.8	0.92	595	20L-HW60	39 40
3.1	18 14.8	0.89 0.92	14.8	0.92	595	20L-HW60	39 40
2.42	24.1 19	0.81 0.83	13.9	0.88	605	20L-HW60	39 40
2.42	13.9	0.88	13.9	0.88	605	20L-HW60	39 40
1.92	19.2 14 12.6	0.74 0.79 0.83	12.9	0.83	615	20L-HW60	39 40
1.70	16.9 14 12.6	0.74 0.79 0.82	12.6	0.82	620	20L-HW60	39 40



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n_2cp — TORQUE IS CONSTANT BELOW n_2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

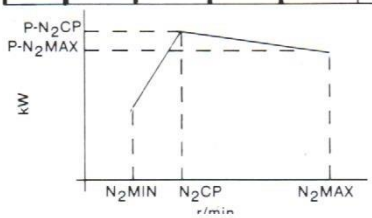
OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

RIGHT ANGLE SHAFT SELECTION DATA
2.2kW — MODEL 30L

SPEED RANGE	N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
Extended	34.0	339 272	1.60 1.84	92	2.00	206	30L-HW80	39 40
Standard	34.0	204 170 136 92	1.94 2.00 2.00 2.00	92	2.00	206	30L-HW80	39 40
Extended	24.4	244 195	1.58 1.82	66	1.97	284	30L-HW80	39 40
Standard	24.4	146 122 98 66	1.92 1.97 1.97 1.97	66	1.97	284	30L-HW80	39 40
Extended	18.3	182 146	1.57 1.80	49.5	1.95	376	30L-HW80	39 40
Standard	18.3	110 92 73 49.5	1.90 1.95 1.95 1.95	49.5	1.95	376	30L-HW80	39 40
Extended	15.1	151 121	1.53 1.76	41.0	1.91	445	30L-HW80	39 40
Standard	15.1	91 76 60 41.0	1.86 1.91 1.91 1.91	41.0	1.91	445	30L-HW80	39 40
Extended	11.3	112 90	1.53 1.76	30.6	1.91	595	30L-HW80	39 40
Standard	11.3	68 57 45 30.6	1.86 1.91 1.91 1.91	30.6	1.91	595	30L-HW80	39 40
Extended	8.9	89 71	1.50 1.72	24.2	1.87	736	30L-HW80	39 40
Standard	8.9	53 45 36 24.2	1.81 1.87 1.87 1.87	24.2	1.87	736	30L-HW80	39 40
Extended	6.9	69 55	1.44 1.66	18.7	1.80	918	30L-HW80	39 40
Standard	6.9	41 35 28 18.7	1.75 1.80 1.80 1.80	18.7	1.80	918	30L-HW80	39 40

N2MIN R/MIN	N2MAX R/MIN	POWER (kW) N2MAX	n2cp r/min	Power (kW) n2cp	Torque (N.m) n2cp	MODEL NO.	Dimen. Page
5.2	51.7 42	1.41 1.62	17.0	1.76	985	30L-HW80	39 40
5.2	31 26 21 17.0	1.71 1.76 1.76 1.76	17.0	1.76	985	30L-HW80	39 40
4.1	41.1 33	1.39 1.60	16.1	1.74	1030	30L-HW80	39 40
4.1	25 21 16.1	1.69 1.74 1.74	16.1	1.74	1030	30L-HW80	39 40
3.2	32.2 26	1.22 1.40	13.4	1.52	1080	30L-HW80	39 40
3.2	19 16.1 13.4	1.48 1.52 1.52	13.4	1.52	1080	30L-HW80	39 40
2.4	24.0 20	1.18 1.36	12.5	1.45	1110	30L-HW80	39 40
2.4	15 12.5	1.43 1.45	12.5	1.45	1110	30L-HW80	39 40
1.9	19.0 15.0	1.15 1.32	11.7	1.39	1135	30L-HW80	39 40
1.9	11.7	1.39		1.39	1135	30L-HW80	39 40
1.5	14.8 10.8	1.11 1.32	10.8	1.32	1165	30L-HW80	39 40
1.36	13.6 10.6	1.11 1.30	10.6	1.30	1175	30L-HW80	39 40



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & n_2cp — TORQUE IS CONSTANT BELOW n_2cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

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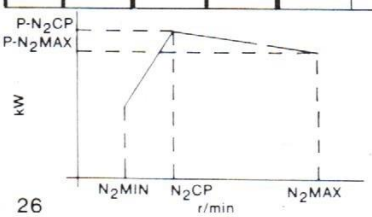
RIGHT ANGLE SHAFT SELECTION DATA
4.0kW — MODEL 30L

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	34.0	339 272	3.17 3.39	170	3.59	201	30L-HW80	40	5.2	51.7 42	2.79 2.99	30.5	3.15	985	30L-HW80	40
Standard	34.0	204 170	3.56 3.59	170	3.59	201	30L-HW80	40	5.2	30.5	3.15	30.5	3.15	985	30L-HW80	40
Extended	24.4	244 195	3.14 3.36	122	3.55	277	30L-HW80	40	4.1	41.1 33	2.76 2.95	28.5	3.07	1030	30L-HW80	40
Standard	24.4	146 122	3.52 3.55	122	3.55	277	30L-HW80	40	4.1	28.5	3.07	28.5	3.07	1030	30L-HW80	40
Extended	18.3	182 146	3.11 3.32	91	3.51	367	30L-HW80	40	3.22	32.2 26	2.42 2.58	23.5	2.66	1080	30L-HW80	40
Standard	18.3	110 91	3.48 3.51	91	3.51	367	30L-HW80	40	3.22	23.5	2.66	23.5	2.66	1080	30L-HW80	40
Extended	15.1	151 121	3.04 3.25	76	3.43	434	30L-HW80	40	2.41	24.0 21.0	2.35 2.44	21.0	2.44	1110	30L-HW80	40
Standard	15.1	91 76	3.41 3.43	76	3.43	434	30L-HW80	40								
Extended	11.3	112 90	3.04 3.25	57	3.43	735	30L-HW80	40	1.74	17.3 14.0	2.35 2.47	12.0	2.58	2050	30L- HW101	40
Standard	11.3	68 57	3.41 3.43	57	3.43	735	30L-HW80	40	1.74	12.0	2.58	12.0	2.58	2050	30L- HW101	40
Extended	8.9	89 71	2.97 3.17	44.6	3.35	718	30L-HW80	40	1.39	13.8 11.1	2.24 2.44	11.2	2.44	2080	30L- HW101	40
Standard	8.9	54 44.6	3.33 3.35		3.35	718	30L-HW80	40								
Extended	6.9	69 55	2.86 3.06	34.5	3.24	896	30L-HW80	40	1.24	12.3 10.5	2.21 2.31	10.5	2.31	2100	30L- HW101	40
Standard	6.9	41 34.5	3.21 3.24	34.5	3.24	896	30L-HW80	40								



MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

REEVES

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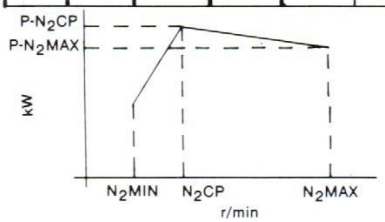
RIGHT ANGLE SHAFT SELECTION DATA
5.5kW — MODEL 30k

SPEED RANGE	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page	N_2MIN R/MIN	N_2MAX R/MIN	POWER (kW) N_2MAX	$n_2$cp r/min	Power (kW) $n_2$cp	Torque (N.m) $n_2$cp	MODEL NO.	Dimen. Page
Extended	45.6	272 252	4.68 4.78	170	4.95	278	30K-HW80	40	6.6	39.3 36.5	4.17 4.26	24.6	4.42	1716	30K-HW101	40
Standard	45.6	233 209 194	4.81 4.90	170	4.95	278	30K-HW80	40	6.6	33.7 30.2 24.6	4.29 4.37 4.42	24.6	4.42	1716	30K-HW101	40
Extended	32.8	195 181	4.63 4.73	122	4.90	383	30K-HW80	40	5.2	30.7 28.5	4.12 4.21	22.0	4.32	1880	30K-HW101	40
Standard	32.8	167 150 139	4.76 4.85 4.90	122	4.90	383	30K-HW80	40	5.2	26.3 23.6 22.0	4.24 4.31 4.32	22.0	4.32	1880	30K-HW101	40
Extended	24.5	146 135	4.58 4.68	91	4.85	507	30K-HW80	40	4.2	24.6 22.9	4.07 4.16	20.8	4.19	1930	30K-HW101	40
Standard	24.5	125 112 104	4.71 4.79	91	4.85	507	30K-HW80	40	4.2	20.8	4.19	20.8	4.19	1930	30K-HW101	40
Extended	20.3	120 112	4.48 4.58	76	4.74	599	30K-HW80	40	3.6	21.4 19.9	3.56 3.64	17.9	3.67	1970	30K-HW101	40
Standard	20.3	103 93 76	4.60 4.69 4.74	76	4.74	599	30K-HW80	40	3.6	17.9	3.67	17.9	3.67	1970	30K-HW101	40
Extended	15.2	91 84	4.48 4.58	56.4	4.74	802	30K-HW80	40								
Standard	15.2	77 69 56.4	4.60 4.69 4.74	56.4	4.74	802	30K-HW80	40								
Extended	12.0	72 66 61	4.38 4.47	49.7	4.61	885	30K-HW80	40								
Standard	12.0	55 64 49.7	4.50 4.55 4.61	49.7	4.61	885	30K-HW80	40								
Extended	9.3	55.2 51.2	4.22 4.32	44.8	4.38	935	30K-HW80	40								
Standard	9.3	47.3 44.8	4.35 4.38	44.8	4.38	935	30K-HW80	40								



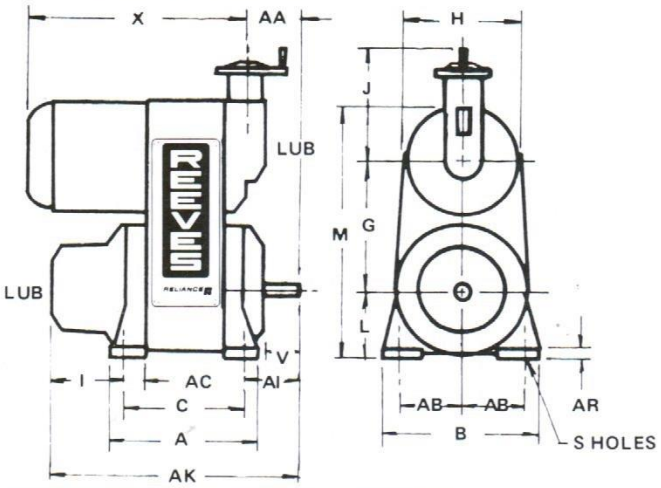
MAXIMUM POWER IS ONLY AVAILABLE BETWEEN N_2MAX & $n_2$cp — TORQUE IS CONSTANT BELOW $n_2$cp.

DUTY RATING 24 HRS/DAY 40°C AMBIENT
MAXIMUM ACTUAL OUTPUT TORQUE & POWER RATINGS ARE SHOWN.

OPTIONS — SEE MOTODRIVE - OPTIONS
OTHER SPEED RANGES ARE AVAILABLE

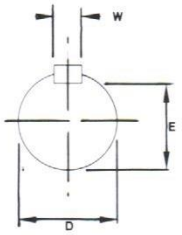
DIMENSIONAL DATA & ASSEMBLIES

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
600-NR	60.325	15.875	51.33
	60.300	15.824	51.03

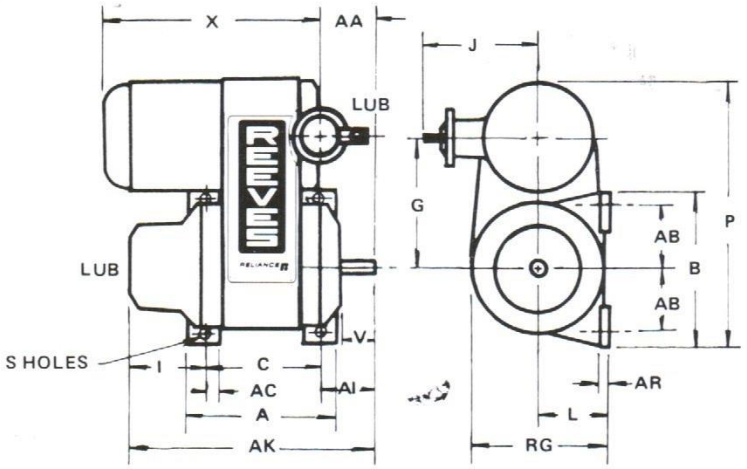


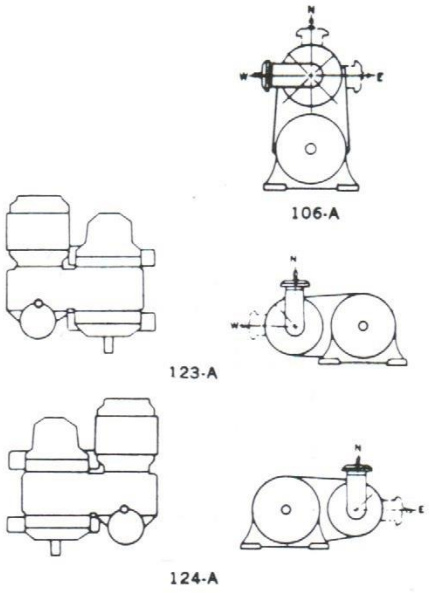
OUTPUT SHAFT

Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AC	AI	AK	AR	RG	
600-NR	553	604	451	527	483	366	270	1026	1058	24	178	225	222	80	251	985	39	520	

Motor kW		15	22	30	37
X		905	970	1000	1100

HORIZONTAL MOTODRIVE





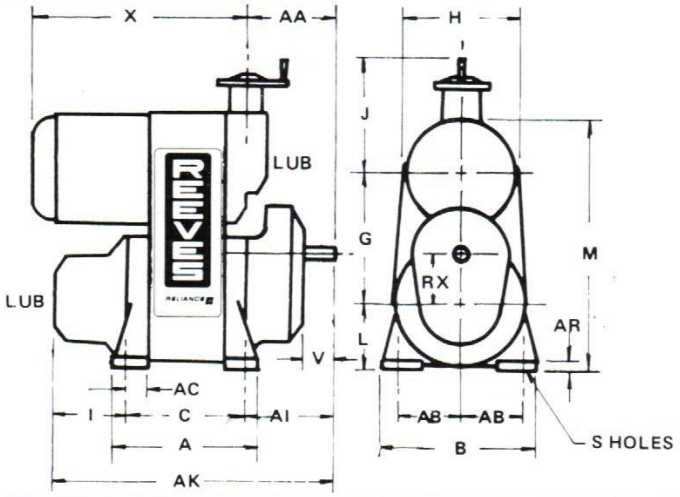
AVAILABLE ASSEMBLIES

Note: Motor terminal box not illustrated.
CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

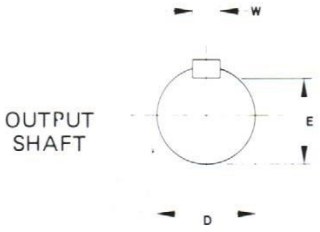
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

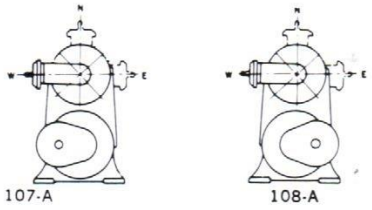
MODEL	D	W	E
661	47.625	12.700	42.80
	47.610	12.660	42.60

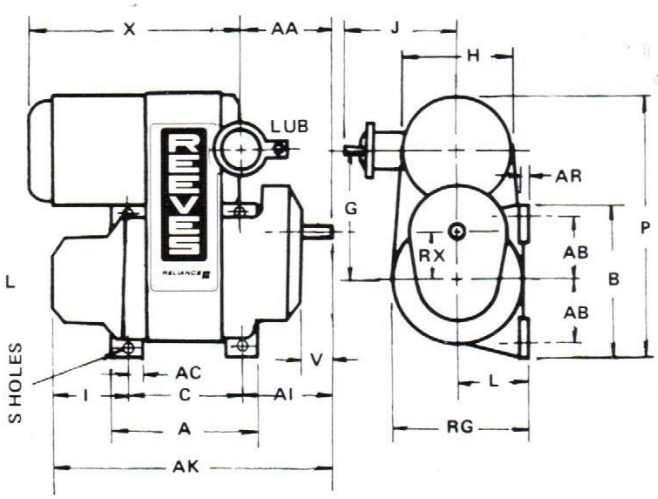


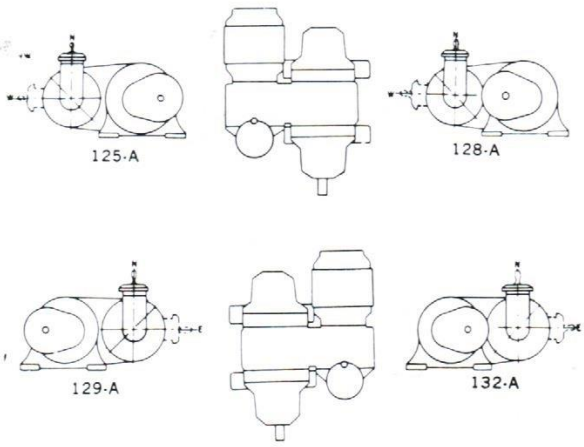
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AC	AI	AK	AR	RG	RX
661	553	604	451	527	483	366	270	1026	1058	24	102	382	222	80	396	1132	39	520	143

Motor kW		15	22	30	37
X		905	970	1000	1100

HORIZONTAL MOTODRIVE







AVAILABLE ASSEMBLIES

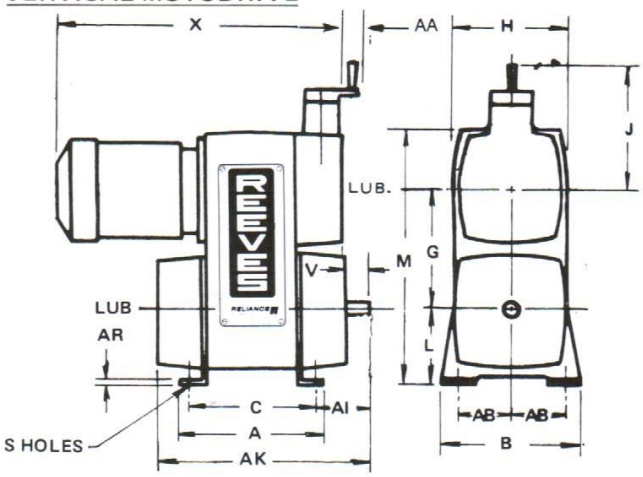
Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

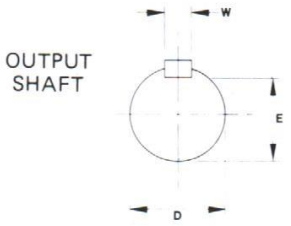
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
30K-NR	28.009	8.000	24.00
	27.996	7.964	23.80
40-NR	38.018	10.00	33.00
	38.002	9.964	32.80
40K-NR	42.018	12.000	37.00
	42.002	11.957	36.80

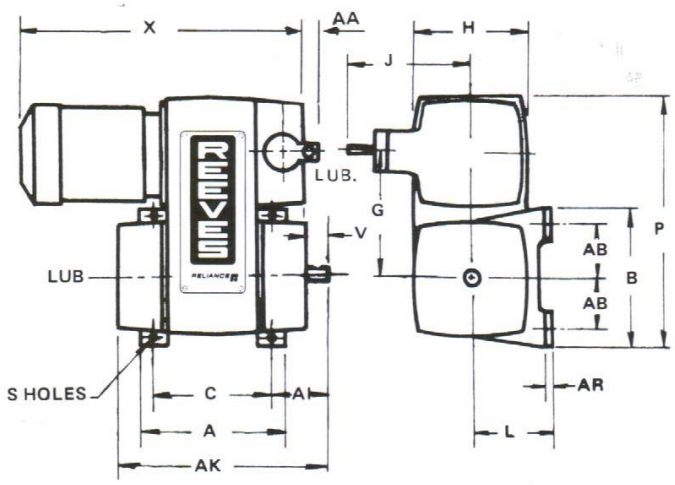


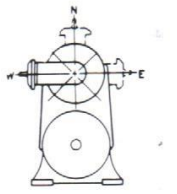
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AI	AK	AR
30K - NR	350	320	300	280	280	252	150	560	565	15	60	40	140	102	440	22
40 - NR	455	410	400	350	355	286	200	707	712	17	80	80	185	125	572	29
40K - NR	455	410	400	350	355	286	200	707	712	17	110	80	185	155	602	29

Motor kW	5.5	7.5	11	15
X	710	810	900	945

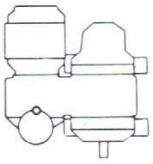
30K NOTE: For horizontal assembly it is advisable to use packers under the mounting feet to ensure that motor is clear of mounting surface. Details are available on request.

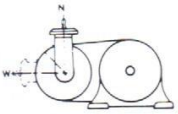
HORIZONTAL MOTODRIVE



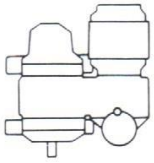


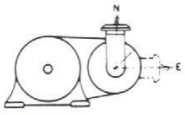
106-A





123-A





124-A

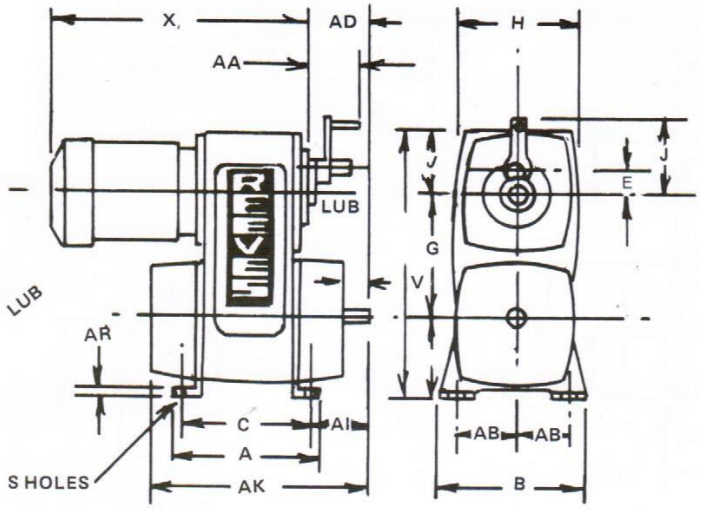
AVAILABLE ASSEMBLIES

Note: Motor terminal box not illustrated.
CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

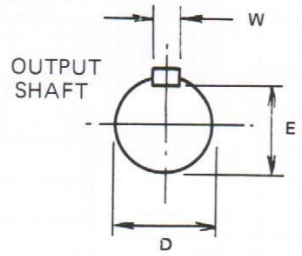
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

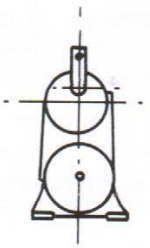
MODEL	D	W	E
20L-NR & 20K-NR	24.009	8.000	20.00
	23.996	7.964	19.80
30L-NR	28.009	8.000	24.00
	27.996	7.964	23.80



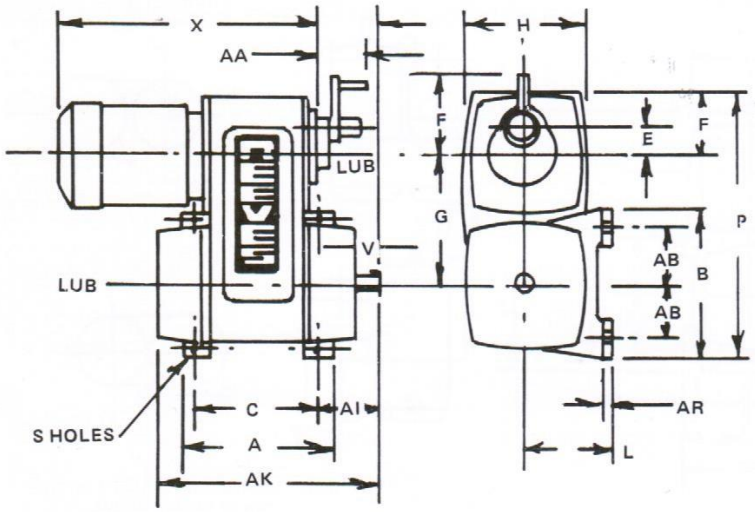
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AI	AK	AR	AD	E	F
20L—NR	241	240	215	203	210	115	120	430	430	15	50	85	101	102	370	6.5	113	40	105
20K—NR	241	240	215	203	210	115	120	430	430	15	50	85	101	102	370	6.5	113	40	105
30L—NR	350	320	300	280	280	120	150	560	565	15	60	80	140	102	440	22	138	45	130

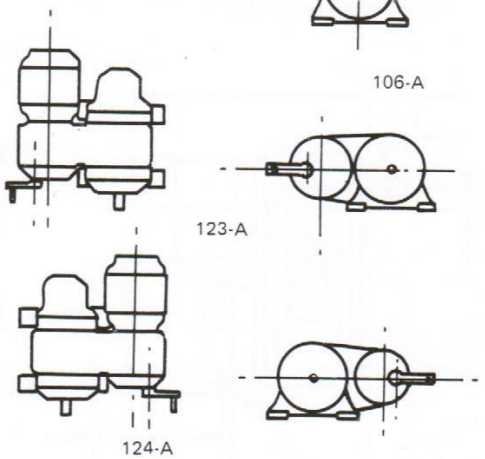
Model kW	.75	1.1	1.5	2.2 (20K)	2.2 (30L)	4.0
X	392	406	426	507	532	582

20K NOTE: For horizontal assembly, it is advisable to use packers under the mounting feet to ensure that the motor is clear of the mounting surface. Details are available on request.



HORIZONTAL MOTODRIVE





Note: Handwheel Position Available Only as Shown Above

AVAILABLE ASSEMBLIES

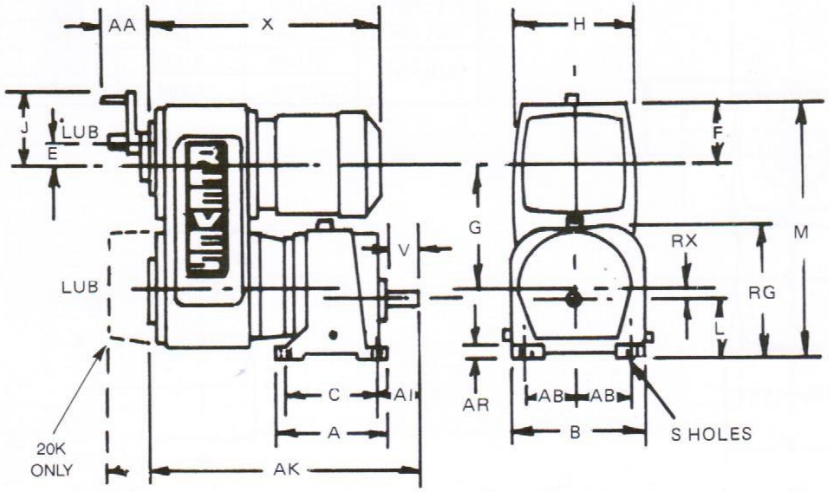
Note: Motor terminal box not illustrated

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST

Data subject to change without notice.

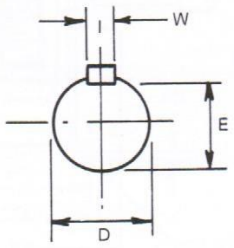
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

Model No.	D	W	E
12	24.009	9.000	20.00
	23.995	7.964	19.80
13	38.018	10.000	33.00
	38.002	9.964	32.80
22	35.000	10.00	30.00
	34.988	9.96	29.2

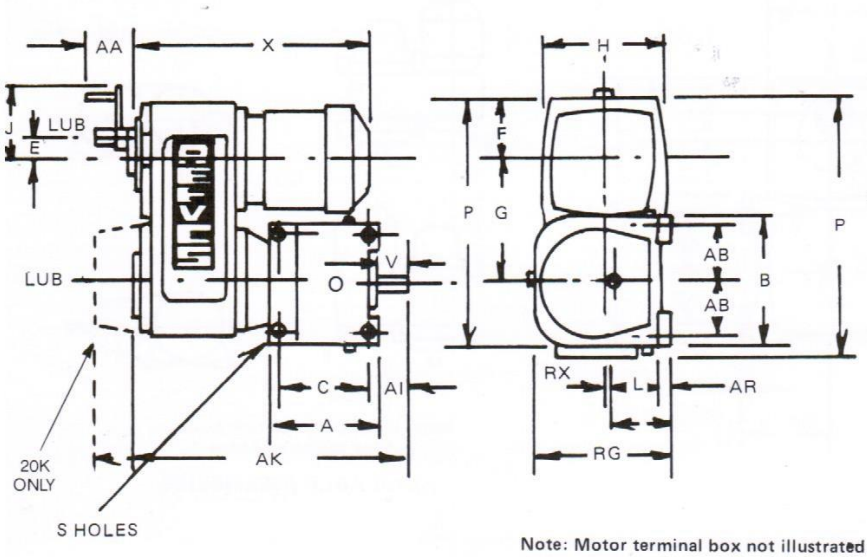


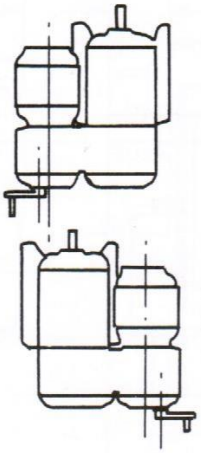
OUTPUT SHAFT

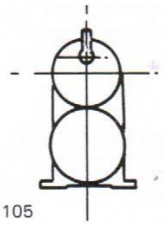
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AI	AK	AR	RG	RX	E	F	P
20L—12	160	190	130	203	210	115	75	444	403	12	50	85	80	67	415	16	240	61	40	105	—
20K—12	160	190	130	203	210	115	75	444	403	12	50	85	80	67	520	16	240	61	40	105	413
20K—22	140	181	111	203	210	115	140	448	400	11	80	85	76	100	608	16	240	—	40	105	413
30L—13	220	240	180	280	280	120	105	604	530	14	80	80	100	105	530	22	340	89	45	130	

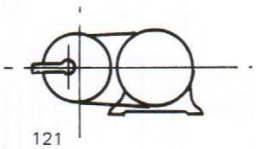
Model kW	.75	1.1	1.5	2.2 (20K)	2.2 (30L)	4.0
X	392	406	426	507	532	582

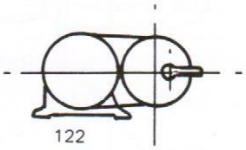
HORIZONTAL MOTODRIVE











Note: Handwheel Position Available Only as Shown Above.

AVAILABLE ASSEMBLIES

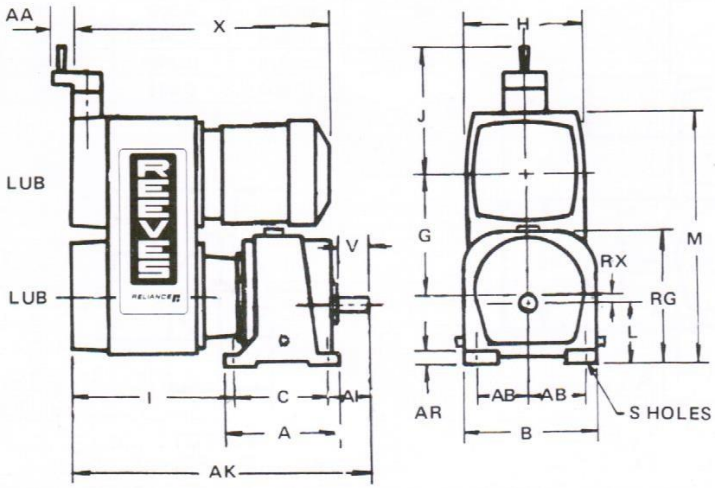
Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

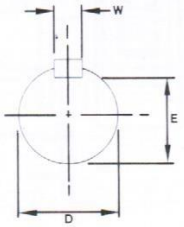
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

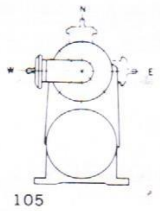
MODEL	D	W	E
13	38.018	10.000	33.00
	38.002	9.964	32.80
15	45.018	14.000	39.50
	45.002	13.957	39.30



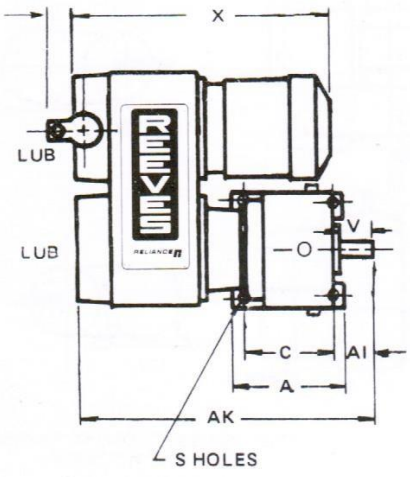
OUTPUT SHAFT

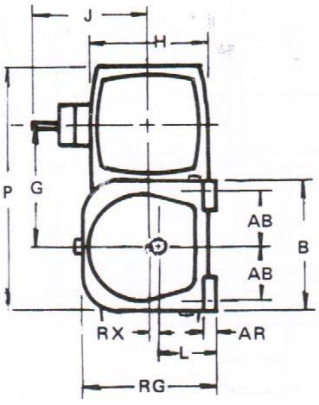
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AI	AK	AR	RG	RX
30K - 13	220	240	180	280	280	252	105	604	530	14	80	40	100	105	630	22	340	89
40 - 15	310	350	270	350	353	286	150	790	685	14	110	80	150	135	861	28	432	130
40K - 15	310	350	270	350	353	286	150	790	685	14	110	80	150	135	888	28	458	130

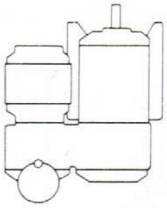
Motor kW	5.5	7.5	11	15
X	710	810	900	945

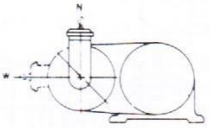


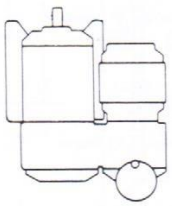
HORIZONTAL MOTODRIVE

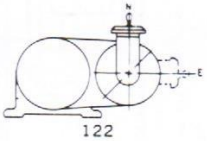












Note: Handwheel Position Available Only as Shown Above

AVAILABLE ASSEMBLIES

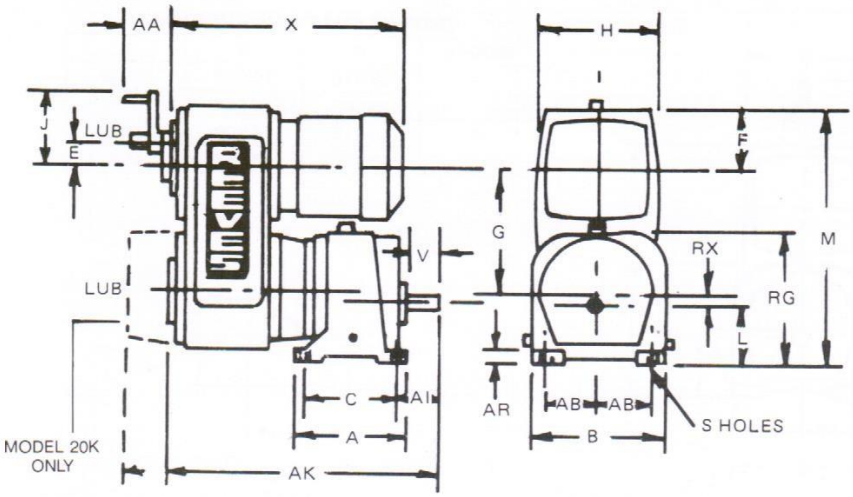
Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

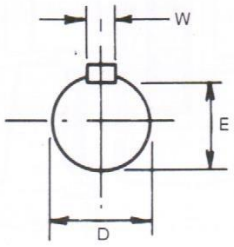
MOTODRIVE DIMENSION

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
42	25.015	8.000	21.00
	25.002	7.964	20.80
43	32.018	10.000	27.00
	32.002	9.964	26.80



OUTPUT SHAFT

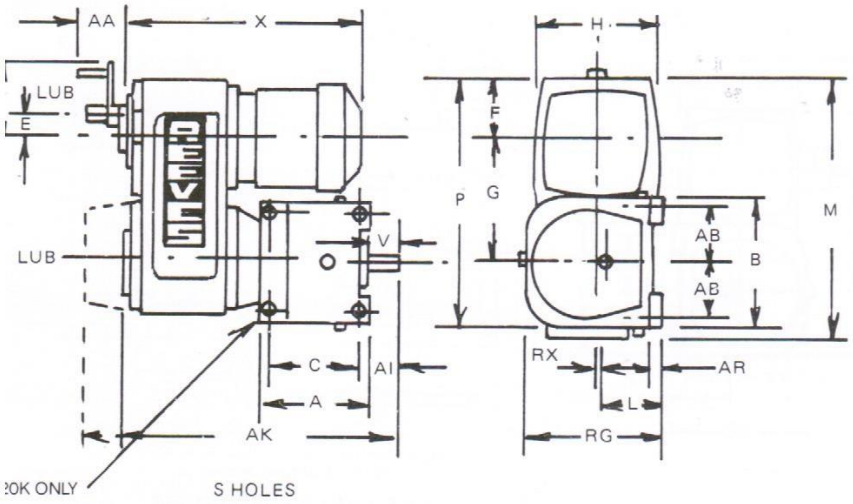
Model No.	A	B	C	G	H	J	L	M	P	P'	S	V	AA	AB	AI	AK	AR	RG	RX	E	F
20L—42	160	220	130	203	210	115	120	432	389	414	11	50	85	95	81	431	20	223	3.4	40	105
*20L—43	246	250	200	203	210	115	160	484	434	—	12	80	85	100	104	510	20	275	15.2	40	105
*20K—43	246	250	200	203	210	115	160	484	—	—	12	80	85	100	104	615	20	275	15.2	40	105
30L—43	246	250	200	280	280	120	160	595	535	547	12	80	80	100	104	590	20	275	25.0	45	130

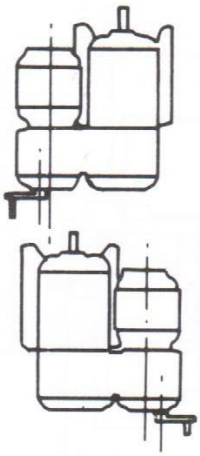
*Not Available in "C" flow horizontal on 1.1, 1.5 kW 20L & 2.2 kW 20K units.

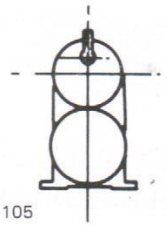
Model kW	.75	1.1	1.5	2.2 (20K)	2.2 (30L)	4.0
X (4 Pole)	392	406	426	204	532	582
X (6 Pole)	406	426	N/A		582	643

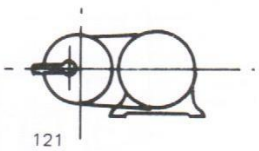
NOTE: "F" exceeds "J" on Model 30L—43.

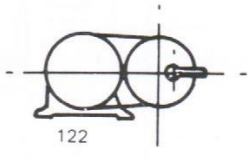
HORIZONTAL MOTODRIVE











Note: Handwheel Position Available Only as Shown Above.

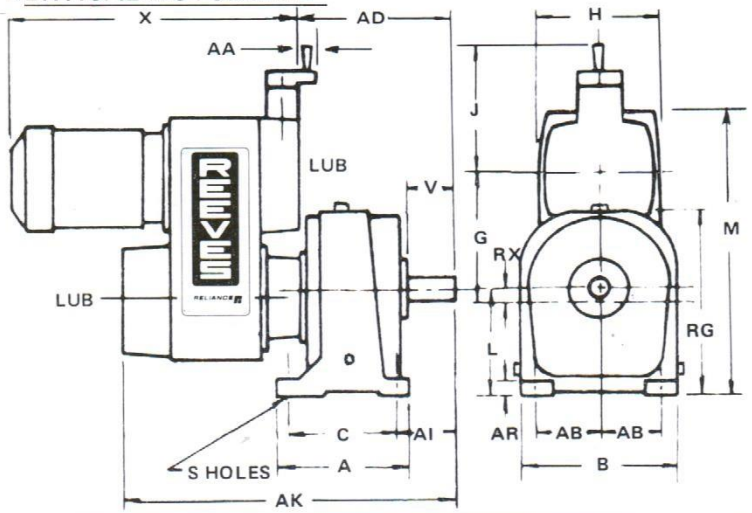
AVAILABLE ASSEMBLIES

Note: Motor terminal box not illustrated.

Data subject to change without notice.

MOTODRIVE DIMENSIONS

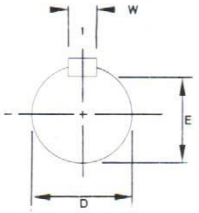
VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
25	57.150	15.926	50.55
	57.140	15.875	50.39
26	73.025	19.05	65.43
	73.012	19.10	65.28
27	80.000	22.00	71.00
	79.987	21.95	70.80

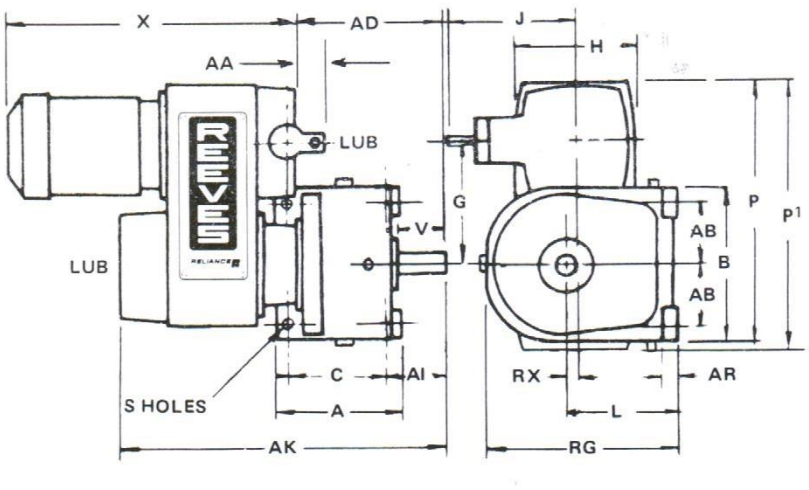
OUTPUT SHAFT

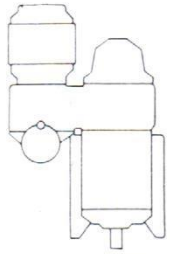


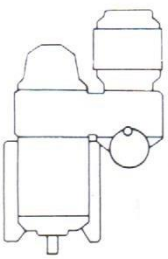
Model No.	A	B	C	G	H	J	L	M	P	P1	S	V	AA	AB	AD	AI	AK	AR	RG	RX
30-25 & 30K-25	333	360	254	280	280	252	279	646	590	—	17.5	108	40	140	424	157	801	38	432	44
30-26 & 30K-26	370	400	305	280	280	252	330	671	611	—	20.5	127	40	165	458	189	838	38	530	69.3
40-25	333	360	254	350	335	286	279	743	689	—	17.5	108	80	140	445	157	936	38	432	44
40-26	370	400	305	350	335	286	330	769	710	—	20.5	127	80	165	481	189	973	38	530	69.3
40-27	370	400	305	350	335	286	330	770	710	—	20.5	140	80	165	540	202	1031	38	530	69.3
40K-25	333	360	254	350	335	286	279	743	689	—	17.5	108	80	140	463	157	955	38	432	44
40K-26	370	400	305	350	335	286	330	769	710	—	20.5	127	80	165	500	189	991	38	530	69.3
40K-27	370	400	305	350	335	286	330	770	710	—	20.5	140	80	165	540	202	1031	38	530	69.3
600-27	370	400	305	527	521	366	330	1012	951	998	20.5	140	123	165	471	202	1200	38	530	69.3

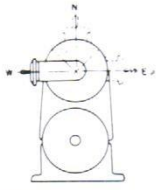
Motor kW	2.2	4	5.5	7.5	11	15	22	30	37
X	582	582	710	810	900	945	1045	1105	1180

HORIZONTAL MOTODRIVE

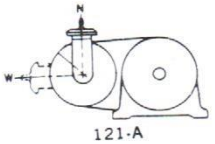




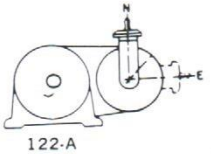




105-A



121-A



122-A

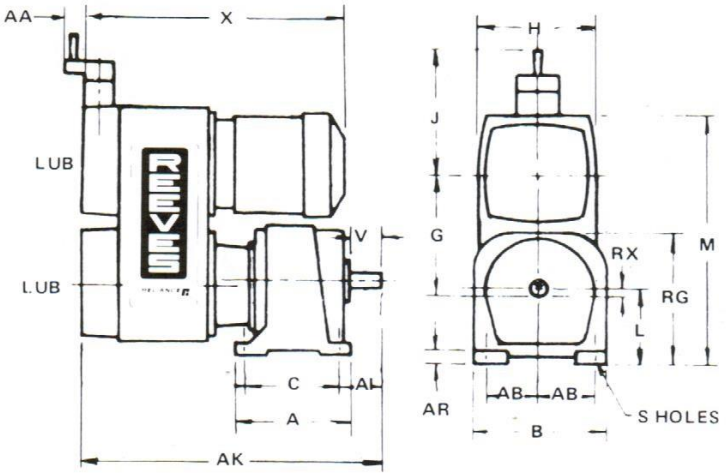
AVAILABLE ASSEMBLIES

Note: Motor terminal box not illustrated.

Data subject to change without notice.

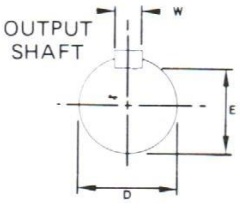
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

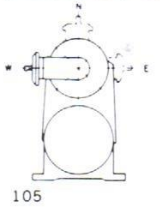
MODEL	D	W	E
43	32.018	10.000	27.00
	32.002	9.964	26.80
44	38.018	10.00	33.00
	38.002	9.964	32.80
D & DT	44.450	11.176	38.00
	44.437	11.125	38.15
25	57.150	15.926	50.55
	57.140	15.875	50.39
26	73.025	19.050	65.43
	73.012	19.100	65.28
27	80.000	22.00	71.00
	79.987	21.95	70.80



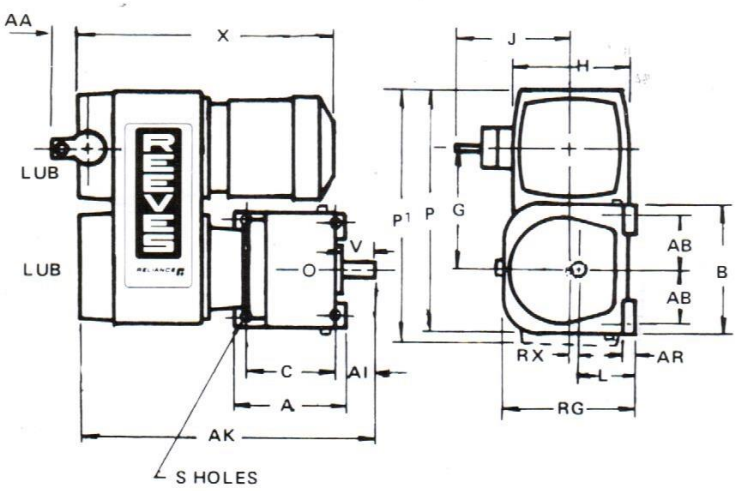
Model No.	A	B	C	G	H	J	L	M	P	P¹	S	V	AA	AB	AI	AK	AR	RG	RX
30K - 43	246	250	200	280	280	252	160	595	535	547	12	80	40	100	100	590	20	275	25
30K - 44	270	280	230	280	280	252	185	590	550	—	14	80	40	115	100	740	23	304	6.6
40-D & DT	445	300	389	350	335	286	222	686	659	681	17.5	76	80	124	68	878	18	352	43.5
*40 - 25	333	360	254	350	335	286	279	743	689	—	17.5	108	80	140	158	936	38	432	44
*40K - 25	333	360	254	350	335	286	279	743	689	—	17.5	0108	80	140	158	955	38	432	44
600 - 26	370	400	305	527	521	366	330	1012	951	998	20.5	127	123	165	189	1160	38	530	69.3
600 - 27	370	400	305	527	521	366	330	1012	951	998	20.5	140	123	165	202	1200	38	530	69.3

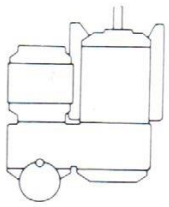
*Not available in "C" flow vertical on 11kW & 15kW units.

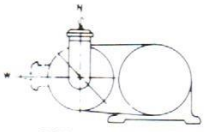
Motor kW	5.5	7.5	11	15	22	30	37
X	710	810	900	945	1045	1105	1180

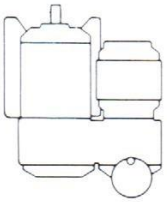


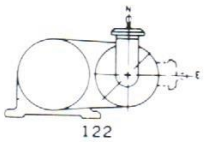
HORIZONTAL MOTODRIVE











AVAILABLE ASSEMBLIES

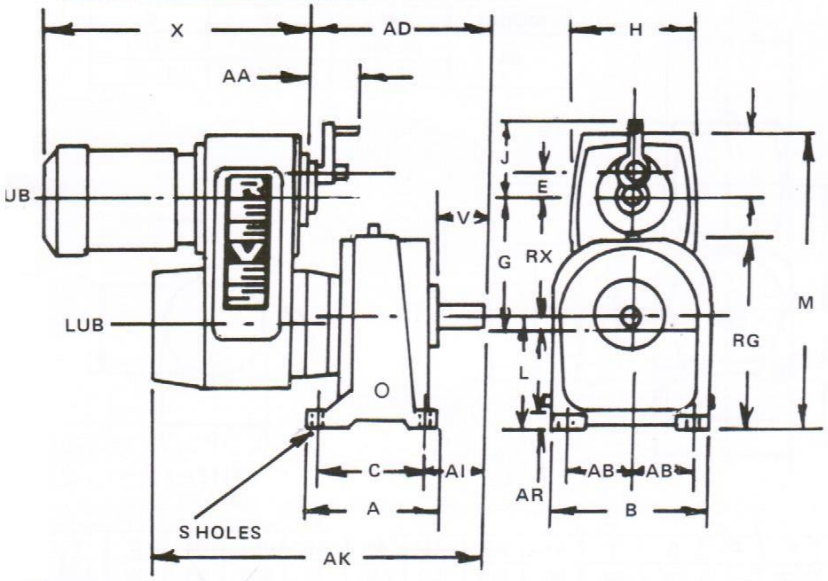
Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

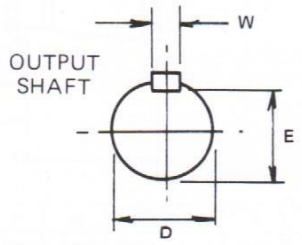
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
43	32.018	10.000	27.00
	32.002	9.964	26.80
C & CT	34.925	9.576	31.12
	34.912	9.525	30.96
D & DT	44.450	11.176	38.00
	44.437	11.125	38.15
25	57.150	22.00	50.55
	57.140	21.95	50.39

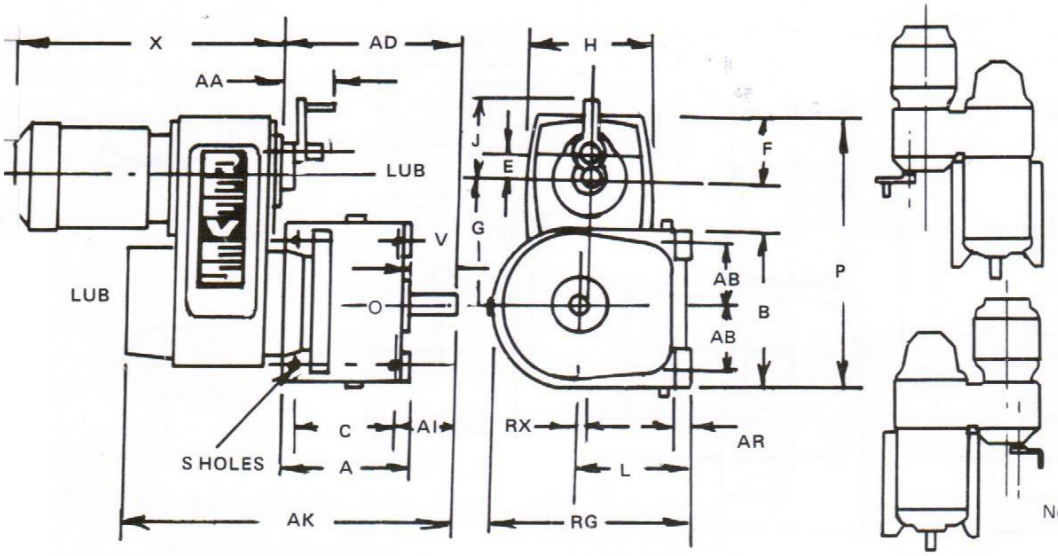


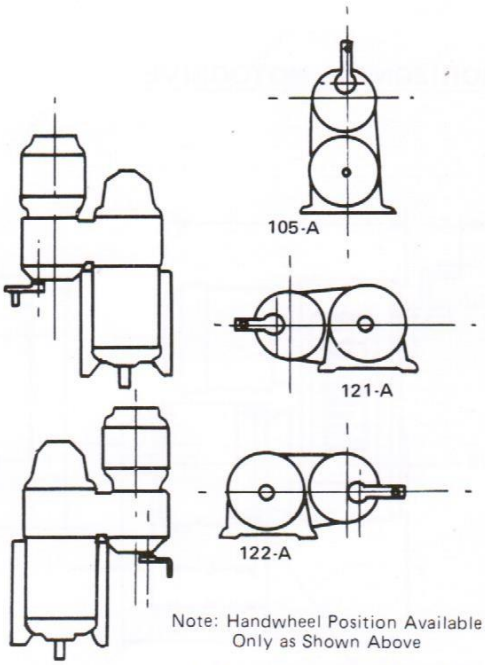
Model No.	A	B	C	G	H	J	L	M	P	S	V	AA	AB	AD	AI	AK	AR	RG	RX	E	F
20L—43	246	250	200	203	210	115	160	484	434	12	80	85	100	316	104	566	20	275	15.2	40	105
20L—C & CT	197	265	162	203	210	115	162	440	441	17.5	57	85	105	292	75	544	18	267	30.7	40	105
20L—D & DT	246	300	211	203	210	115	203	468	457	17.5	76	85	124	358	68	607	18	340	43.5	40	130
20K—43	246	250	200	203	210	115	160	484	434	12	80	85	100	365	104	613	20	275	15.2	40	105
20K—C & CT	197	265	162	203	210	115	162	440	441	17.5	57	85	105	343	75	596	18	267	30.7	40	105
20K—D & DT	246	300	211	203	210	115	203	468	457	17.5	76	85	124	407	68	660	18	340	43.5	40	130
30L—25	333	360	254	280	280	120	279	646	590	17.5	108	80	140	452	157	801	38	432	44	45	130

Note: 'F' exceeds 'J' on Model 30L-25.

Model kW	.75	1.1	1.5	2.2 (20K)	2.2 (30L)	4.0
X (4 Pole)	392	406	426	507	532	582
X (6 Pole)	406	426	N/A		582	643

HORIZONTAL MOTODRIVE





Note: Handwheel Position Available Only as Shown Above

AVAILABLE ASSEMBLIES

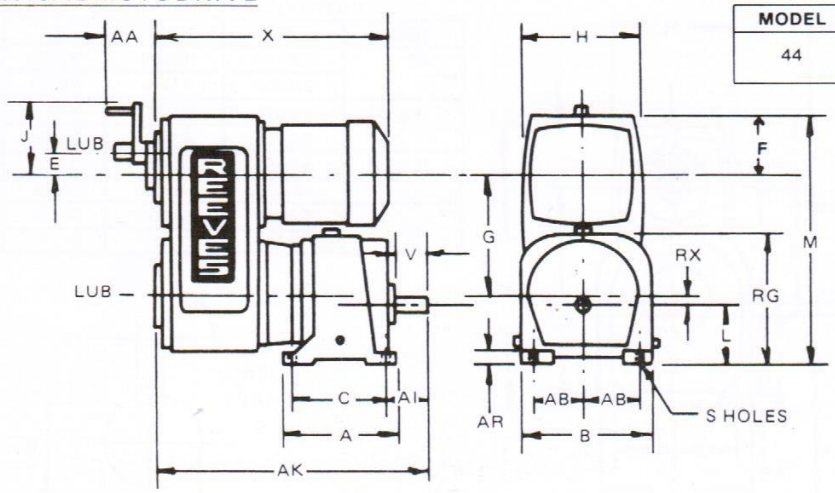
Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

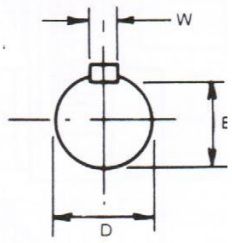
MOTODRIVE DIMENSIONS

VERTICAL MOTODRIVE



OUTPUT SHAFT DIMENSIONS

MODEL	D	W	E
44	38.018	10.000	33.00
	38.002	9.964	32.80



OUTPUT SHAFT

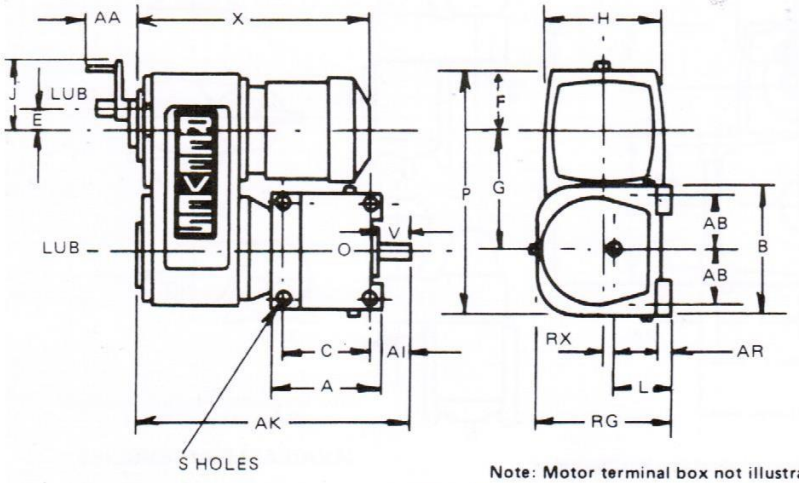
Model No.	A	B	C	G	H	J	L	M	P	P'	S	V	AA	AB	AI	AK	AR	RH	RX	E	F
30L-44	270	280	230	280	280	120	185	590	550	—	14	80	80	115	100	640	23	304	6.6	45	130
30L-DT	246	300	211	280	280	120	203	570	560	—	17.5	76	80	124	68	635	17	340	43.5*	45	130

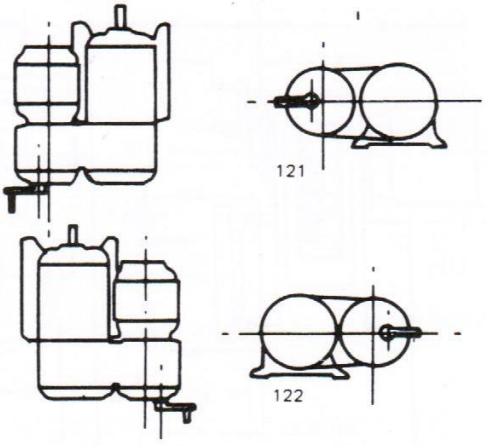
Motor kW	2.2	4.0
X (4 Pole)	532	582
X (6 Pole)	582	643

NOTE: "F" exceeds "J" on Models 30L-44

* OUTPUT SHAFT IS ABOVE CENTRE LINE ON 30L-DT

HORIZONTAL MOTODRIVE





Note: Handwheel Position Available Only as Shown Above.

AVAILABLE ASSEMBLIES

Note: Motor terminal box not illustrated.

CERTIFIED DRAWINGS AVAILABLE UPON REQUEST.

Data subject to change without notice.

REEVES

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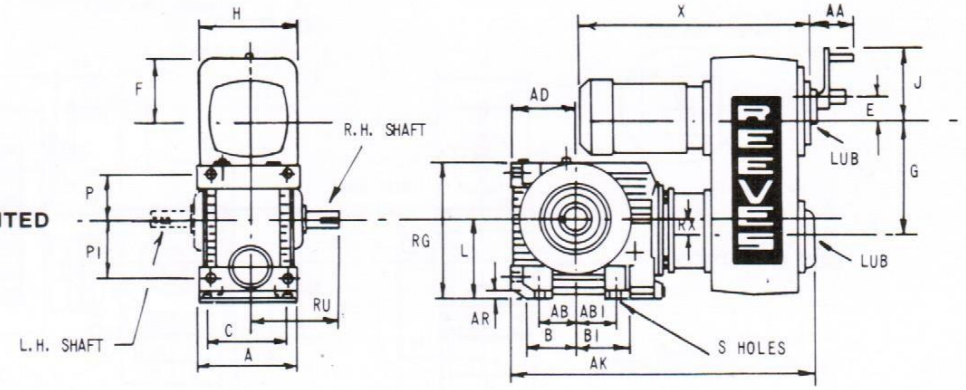
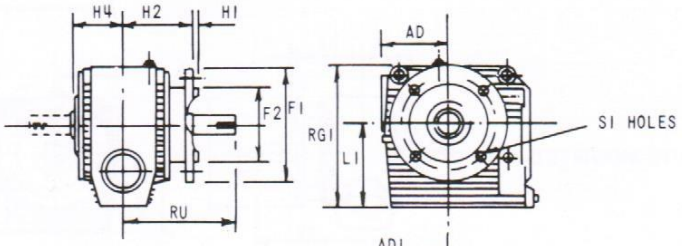
MOTODRIVE DIMENSIONS

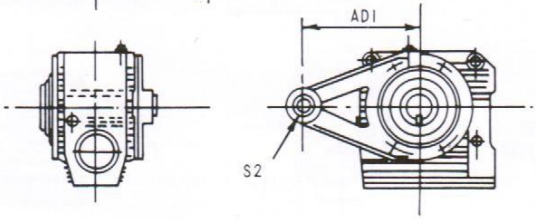
FOOT MOUNTED



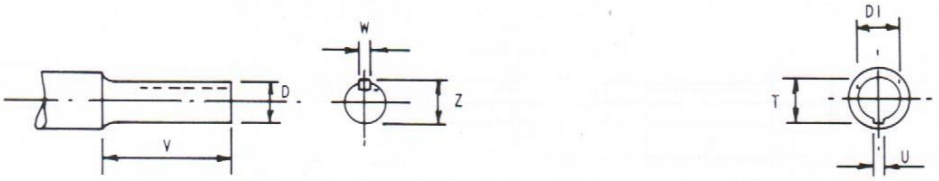
FLANGE MOUNTED



SHAFT MOUNTED
WITH TORQUE ARM



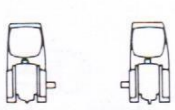
FOR DIMENSIONS REFER TO
R.A. FOR CERTIFIED DRAWINGS.

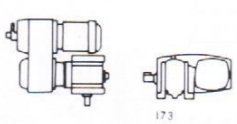


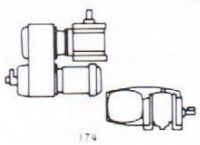
Model No.	A	B	B1	C	D	D1	E	F	F1	F2	G	H	H1	H2	H4	J	L	L1	P
20L - HW60	160	85	95	130	38	45 / 40	40	105	200	130	203	210	3.5	120	85	115	140	144	80
30L - HW80	185	105	90	150	48	60 / 50	45	130	250	180	280	280	4	138	100	120	180	177	97
30L - HW101	250	125	130	200	60	70 / 60	45	130	350	250	280	280	5	160	131	120	225	224	120

Model No.	P1	S	S1	S2	V	W	AA	AB	AB1	AD	AD1	AK	AR	RG	RG1	RU	RX	T	U	Z
20L - HW60	100	14	11.0	20	70	10	85	60	70	106	200	505	15	247	258	190	18.0	48.8 / 43.3	14 / 12	41
30L - HW60	110	18	13.5	25	90	14	80	75	60	125	250	615	17	304	314	228	25.5	64.4 / 53.8	18 / 14	51.5
30L - HW101	143	22	17.5	25	120	18	80	92	88	150	310	700	20	380	384	280	30	74.9 / 64.4	20 / 18	64

Motor kW	.75	1.1	1.5	2.2
X	392	406	426	532

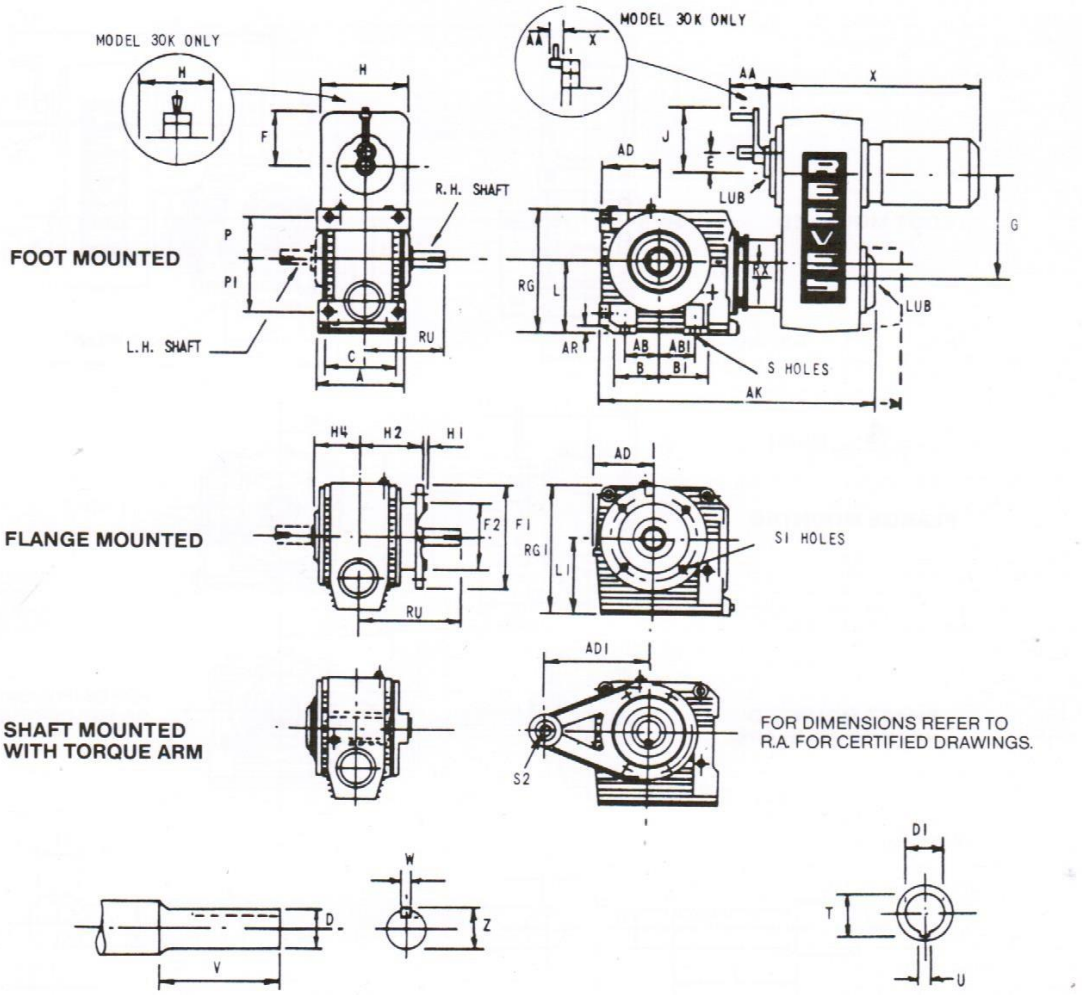






AVAILABLE ASSEMBLIES

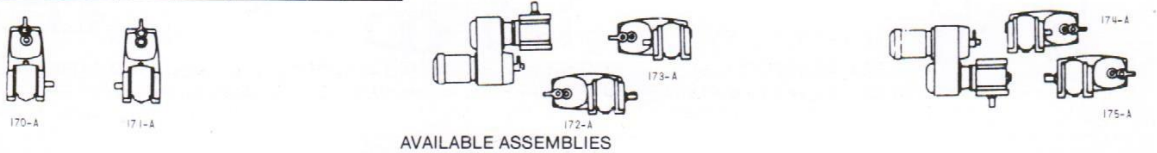
MOTODRIVE DIMENSIONS



Model No.	A	B	B1	C	D	DI	E	F	F1	F2	G	H	H1	H2	H4	J	L	L1	P
20L—HW60	160	85	95	130	38	45/40	40	105	200	130	203	210	3.5	120	85	115	140	144	80
20K-HW60	160	85	95	130	38	45/40	40	105	200	130	203	210	3.5	120	85	115	140	144	80
30L—HW80	185	105	90	150	48	60/50	45	130	250	180	280	280	4.0	138	100	120	180	177	97
30L—HW101	250	125	130	200	60	70/60	45	130	350	250	280	280	5.0	160	110	120	225	224	120
30K—HW80	185	105	90	150	48	60/50	N/A	130	250	180	280	280	4.0	138	100	252	120	177	97
30K—HW101	250	125	130	200	60	70/60	N/A	130	350	250	280	280	5.0	160	110	252	120	224	120

Model No.	P1	S	S1	S2	V	W	AA	AB	AB1	AD	AD1	AK	AR	RG	RG1	RU	RX	T	U	Z
20L—HW60	100	14	11.0	20	70	10	70	60	70	106	200	570	15	247	258	190	18.0	48.8/43.3	14/12	41.0
20K—HW60	100	14	11.0	20	70	10	70	60	70	106	200	617	15	247	258	190	18.0	48.8/43.3	14/12	41.0
30L—HW80	110	18	13.5	25	90	14	70	75	60	125	250	723	17	304	314	228	25.5	64.4/53.8	18/14	51.5
30L—HW101	143	22	17.5	25	120	18	70	92	88	150	310	805	20	380	384	280	30.0	74.9/64.4	20/18	64.0
30K—HW80	110	18	13.5	25	90	14	40	75	60	125	250	688	17	304	314	228	25.5	64.4/53.8	18/14	51.5
30K—HW101	143	22	17.5	25	120	18	40	92	88	150	310	770	20	380	384	280	30	74.9/64.4	20/18	64.0

Model kW	.75	1.1	1.5	2.2 (20K)	2.2 (30L)	4.0	5.5
X	420	475	500	507	545	605	710



AVAILABLE ASSEMBLIES

MOTODRIVE WEIGHTS

.75 kW	
Model	Wt. Kg.
20L - NR	52
20L - 12	58
20L - 42	65
20L - 43	74
20L - CT	79
- -	- -

1.1 kW	
Model	Wt. Kg.
20L - NR	60
20L - 12	66
20L - 42	73
20L - 43	82
20L - CT	87
20L - DT	114

1.5 kW	
Model	Wt. Kg.
20L - NR	65
20L - 12	71
20L - 43	87
20L - CT	92
20L - DT	119
- -	- -

2.2 kW	
Model	Wt. Kg.
30L - NR	90
30L - 13	113
30L - 43	109
30L - 44	152
30L - 25	226
- -	- -

4 kW	
Model	Wt. Kg.
30L - NR	97
30L - 13	120
30L - 43	116
30L - 44	144
30L - 25	233
- -	- -
- -	- -

5.5 kW	
Model	Wt. Kg.
30K - NR	134
30K - 13	157
30K - 43	153
30K - 44	169
30K - 25	270
30K - 26	331
- -	- -

5.5 kW	
Model	Wt. Kg.
40 - NR	163
40 - 15	209
40 - D	225
40 - DT	227
40 - 25	274
40 - 25	279
40 - 26	340

7.5 kW	
Model	Wt. Kg.
40 - NR	172
40 - 15	218
40 - D	234
40 - DT	236
40 - 25	288
40 - 26	349
- -	- -

11 kW	
Model	Wt. Kg.
40 - NR	231
40 - 15	277
40 - D	295
40 - 25	347
40 - 26	408
40 - 27	432

15 kW	
Model	Wt. Kg.
40K - NR	258
40K - 15	311
40K - 25	376
40K - 26	442
40K - 27	466
- -	- -

22 kW	
Model	Wt. Kg.
600 - NR	642
661	694
600 - 27	828
- -	- -
- -	- -
- -	- -

30 kW	
Model	Wt. Kg.
600 - NR	692
661	744
600 - 27	878
- -	- -
- -	- -
- -	- -

37 kW	
Model	Wt. Kg.
600 - NR	773
661	825
600 - 27	970

THE ABOVE ARE NETT WEIGHTS. WHEN SHIPPED DRIVES ARE NORMALLY MOUNTED ON A PALLET.
A FULL PALLET WEIGHS APPROX. 40 Kg. WITH E.R.C. ADD ... 12 Kg.

MOTODRIVE – OPTIONS

ELECTRIC REMOTE SPEED CHANGE

TYPE 'E' FOR MODELS 20L 20K 30L & 30K

This Electric Remote Control consists of a 0.06 kW T.E.F.C. three phase 240/415 Volt motor driving through a worm reducer and coupling to the motodrive control screw.

The coupling incorporates a spring loaded safety clutch which allows over run of the control without damage to either the control or the motodrive.

The motor frame and worm reducer housing are aluminium. The clutch housing is cast iron.

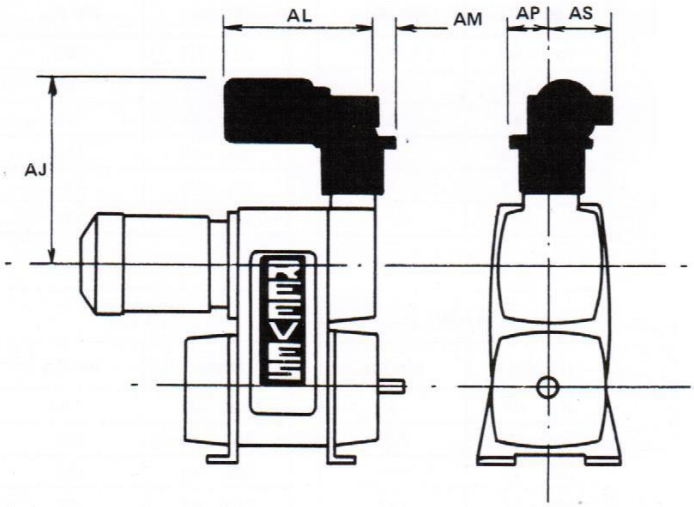
Apart from periodic attention to the clutch facings the control is maintenance free, requires no lubrication and can be mounted in any attitude.

The control should be electrically interlocked with the main drive motor to prevent operation without starting main motor and should be operated by a spring return to 'off' pushbutton or switch.

The control has been designed for an average number of speed changes per hour as follows:—

Model	Speed Changes Per Hour
20L & 20K	15
30L	15
30K	6

Model	AJ	AL	AM	AP	AS
20L & 20K	315	241	30	65	107
30L & 30K	333	241	30	65	107



Optional Mounting Positions Available.

ELECTRIC REMOTE SPEED CHANGE

STANDARD DUTY MODEL 40 40K & 600
HEAVY DUTY MODEL 20L 20K 30L & 30K

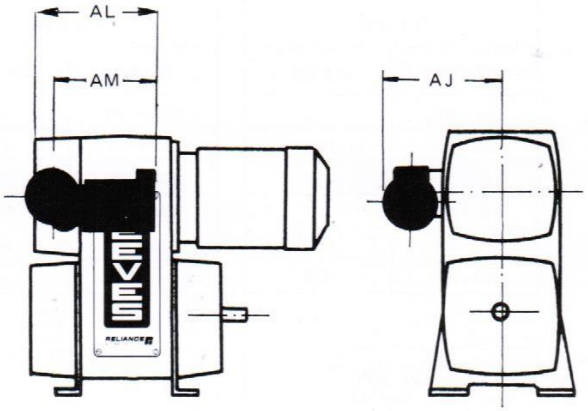
This Electric Remote Control consists of a 0.1 kW totally enclosed three phase motor driving through a worm reduction to a final spur gear mounted on the control screw of the motodrive. The gear incorporates a spring loaded safety clutch which allows over run of the control without damage to either the control or the motodrive.

The control motor has an intermittent rating of three minutes on and ten minutes off. The control has been designed for an average number of speed changes per hour as follows —

Model	Speed Changes Per Hour
20L & 20K	15
30L & 30K	15
40 & 40K	6
600	6

The control should be electrically interlocked with the main motor to prevent operation without starting the main motor.

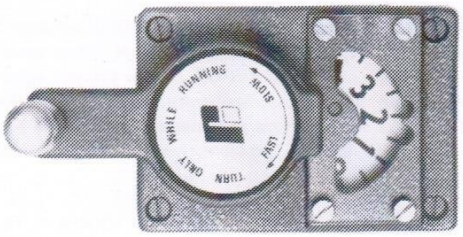
To maintain the correct oil level in the worm reduction, the control is mounted with the control motor and control screw parallel to the floor, i.e. the control must not be mounted on the top of a motodrive.



Model	AJ	AL	AM
20L & 20K	282	280	240
30L & 30K	302	280	240
40 & 40K	348	300	240
600	390	285	240

DIAL TYPE INDICATOR

20L 20K 30L & 30K SERIES MOTODRIVES

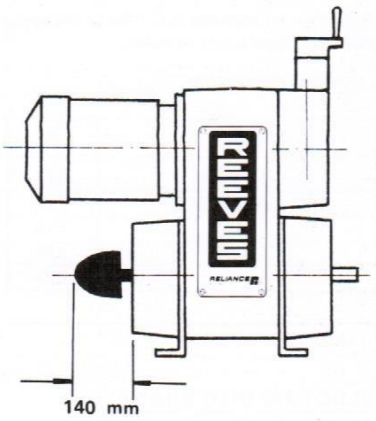


The dial type indicator is available if more accurate speed reference indication than that provided by the standard pointer type indicator is required,

A weather proof model is also available.

The numbers on the dial are for speed reference only and do not indicate actual speed.

ELECTRIC SPEED INDICATOR



Reliance tachometers are individually calibrated to customer requirements.

The generator is direct coupled to the motodrive to provide a positive relationship to the driven machine.

The generator is not affected by direction of rotation and up to 100 metres of cable may be used between the generator and a remote instrument without loss of accuracy.

The standard instrument has overall dimensions of 118mm x 106mm and a 90° scale of 60mm radius giving a scale length of approximately 95mm.

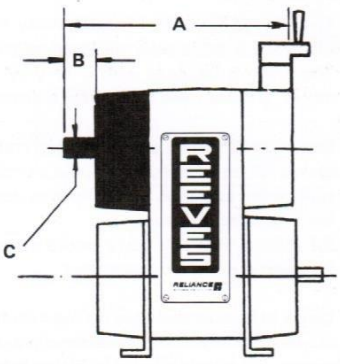
Digital tachometers are also available.

MOTORLESS UNIT – INPUT SHAFT

Incorporates an input shaft and bearing assembly in place of a motor.

Power may then be taken from another source by V-belt to the input shaft to provide the proper input speed or by coupling a special electric motor.

Standard speed ranges and kW ratings will apply when the input shaft is driven at 1440 r/min.



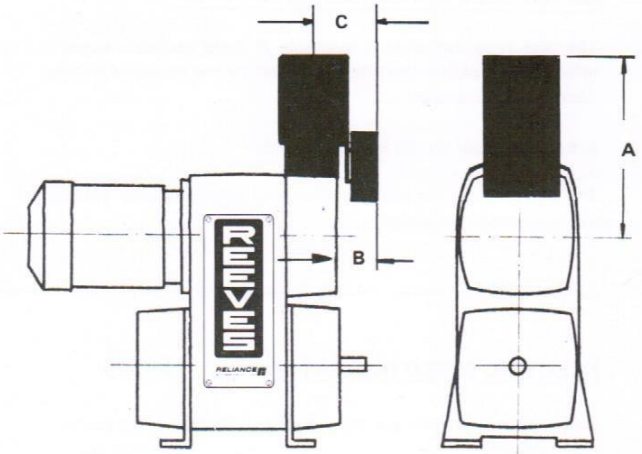
Model	A	B	C	Keyway
20L & 20K	387	50	24.009 23.996	8x4
30L & 30K	472	60	28.009 27.996	8x4
40 & 40K	600	80	38.018 38.002	10x5
600	740	127	53.975 53.962	15.85x6.68

AIR CONTROL – INCLUDING POSITIONER

The Reeves Air Control is a pneumatic shifting actuator for remote manual or automatic process control. When used in open or closed loop control systems, the Air Control automatically and continuously corrects operating speeds of the Motodrive to compensate for variations in materials or processes such as temperature, liquid level, pressure, weight, peripheral speed, proportional flow etc.

The Air Control operates on standard 20 - 100kPa air signal from any process instrument and full span may be used to lock 20kPa signal to minimum speed and 100kPa signal to maximum speed of the Motodrive. This applies to both standard and extended range Motodrives.

The control should be interlocked (through a suitable Solenoid Relief Valve) with the A.C.' Motor to prevent its operation whilst the Motodrive is not running.



Optional Mounting Positions Available.

Model	A	B	C
20L & 20K	315	100	140
30L & 30K	350	105	150
40	415	105	160
40K	425	110	165
600	550	115	180

ELECTRIC DISC BRAKE

The Electromagnetic Disc Brake is fitted directly to the V.S. shaft to facilitate positive braking of the driven device.

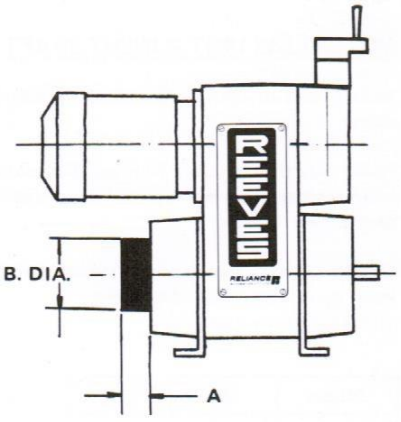
Braking effect is achieved by pressure springs, hence the device is 'fail safe' and is fully approved by Dept. of Labour and Industry.

The unit is supplied with a miniature rectifier circuit suitable for A.C. or D.C. operation and must be electrically interlocked with the A.C. Motor.

The Reeves Motodrive is a relatively high inertia machine and the brake is principally designed to stop the Motodrive unit. The brake is designed with a duty cycle similar to that of a motor, generally the duty cycle is around 10 stops per hour.

Brake performance can be severely affected by inertia and speed. All brake selection should be referred to the factory for application approval. The following data should be supplied;
(a) Frequency of stops.
(b) R/min. at which brake would normally be applied.
(c) Inertia of driven equipment.

Larger brakes are available for most Motodrives. Correct selection of a brake is important, undersized brakes will give unsatisfactory service and possibly result in ultimate brake failure.



Model	A	B
20L	70	114
20K & 30L	83	140
40	95	178
600	102	216

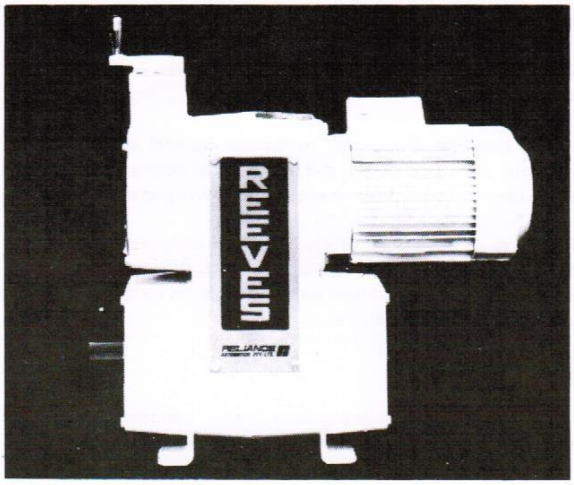
'HYGIENE' MOTODRIVE

The standard Motodrive beltcase enclosure could be termed "protected-but-ventilated" i.e. all moving parts, except the output shaft, are guarded in a ventilated beltcase for the safety of operating personnel and to obstruct the entrance of foreign objects.

All sizes .37 through 37 kW Motodrive may be modified to provide 'HYGIENE' enclosures featuring–

1. TOTALLY ENCLOSED UNIT – No air movement between Motodrive internals and outside environment.
2. HOSE RESISTANCE – Enclosures including the A.C. motor are prepared to withstand hosedown.
3. FINISH – Hard, white, smooth epoxy enamel which is both chemical resistant and 'easi clean'.

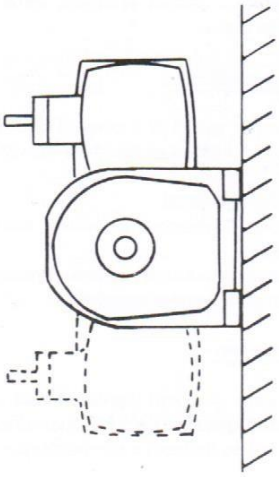
The Reeves 'Hygiene' Motodrive is specifically designed for applications where hygiene control is essential.



WALL MOUNTING – ALL POSITIONS

The Motodrive is normally supplied in the floor mounting arrangement. However wall mounting arrangements with motor above or below reducer are available.

Flange mounting and ceiling mounting Motodrives are also available upon request.



MODEL 625 ELECTRONIC SPEED CONTROL

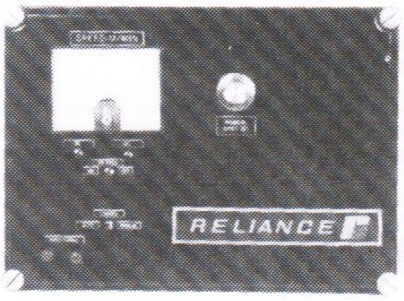
The model 625 Control unit permits control of the standard Reeves Electric Remote Change (E.R.C.) unit using variable voltage input signals, 4 – 20 mA instrument signals and manual control. It is also available with a number of adjustable, preset speeds.

Speed regulation is controlled by summation of reference signal and Tachometer-feedback signal with associated electronics produces a null assoc. signal to maintain the desired speed condition.

Facilites are incorporated in the unit for setting the minimum and maximum speed range of the system, and speed indication signal.

The unit is designed to operate from the Reeves drive motor three phase supply.

Internal fusing is included to protect the electrics; supply phasing is critical as the increase signal must rotate the E.R.C. adjustment towards the maximum speed position of the drive belt.



PROTECTED ENCLOSURES:

This option group extends the application area of the Reeves Motodrive.

If the Motodrive is exposed to foreign material such as dust, water etc. then one of the enclosures listed below can be used to provide protection from that particular environment.

The degree of protection offered has been designed to compliment that available for electric motors. All motors supplied with enclosures as described below ensure uniform protection for the whole Motodrive.

Type 1. Enclosure:

Ensures that any object greater than 1 millimetre diameter cannot enter the Motodrive and that water splashing on the unit from any direction has no harmful effects;

Typical Applications:

Protection of operating personnel from contact with moving internal parts.
To protect against splashing water and ingress of most foreign matter.

Type 2. Enclosure:

Resists water splash & ingress of dust such that they cannot have any harmful effect or interfere with Motodrive Operation.

Typical Applications:

Factory Environments where dust & water splash is present.
Outdoor situations where Motodrive is subjected to reasonable weather conditions.

Type 3. Enclosure:

Resists water jets and ingress of dust such that they cannot enter the Motodrive in harmful quantities or interfere with its operation. It also includes a corrosion resistant prime coat.

Typical Applications:

Outdoor situations where Motodrive is subjected to harsh weather conditions.
Hose down with non-corrosive liquids at reasonable delivery pressures.

Type 4. Enclosure (Hygiene):

In addition to the features of the type 3 enclosure, it offers a smooth white paint finish which provides resistance to chemical attack and corrosion.

Typical Applications:

Food industry where hygiene control is essential.

Type 5. Enclosure:

This type has many features which render it suitable for environmentally difficult applications. It is based on the type 3 enclosure and the extras include:—

Corrosion resistant paint finish
Corrosion resistant output shaft
Labyrinth seal on output shaft
Special motor with cast iron construction, Class 'B' Insulation, grease relief valves, thermistors, porous drain plugs, stainless steel nameplate, tropic proofing and to I.P. 55
Reducer models have oil level sight glasses, magnetic drain plugs and splash guard on filtered breather plug.

This unit is built to withstand severe environmental conditons. It combines the most commonly requested options into one unit to simplify selection for the engineer requiring performance under corrosive conditions and harsh weather conditions.

Requirements not covered by the standard options will be considered on request.

PROTECTED ENCLOSURES

Unless forced ventilation of the beltcase is supplied by customer the following restrictions apply:

1. V.S. shaft speed is limited as tabulated.

2. Maximum ambient temperature 40°C.

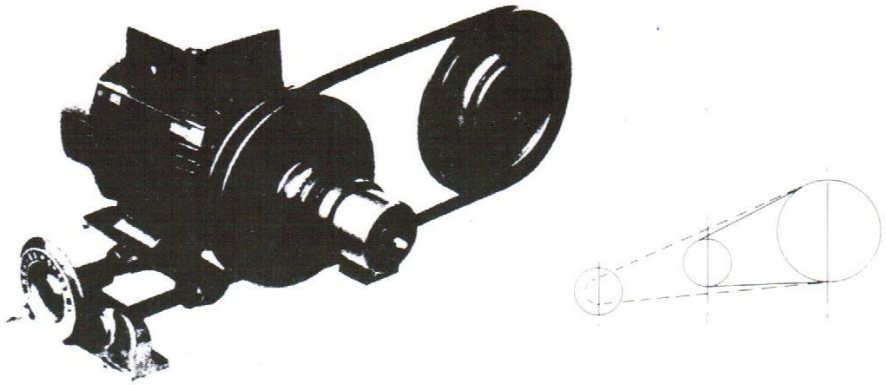
Model	Rating	Max. V.S. r/min.
20L	0.75 1.1 1.5	Full Range
20K	2.2	Not Recommended
30L	2.2 4.0	Full Range
40	5.5 7.5	2500
	11.00	Not Recommended
40K	15.0	Not Recommended
600	22.0	2000
	30.0	Not Recommended
	37.0	Not Recommended

MOTOR PULLEYS

VARIABLE SPEED MOTOR PULLEYS

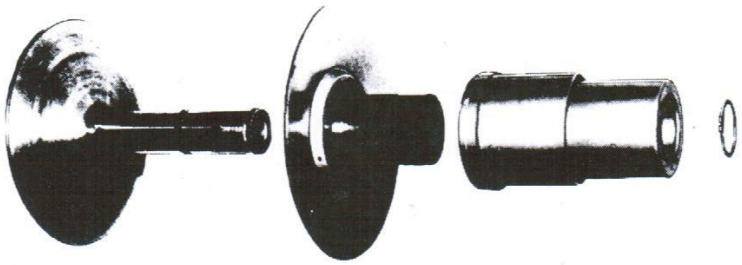
The *Reeves vari-speed motor pulley* when mounted directly on the shaft of any standard constant speed electric motor provides an easy, reliable and economical method of converting your machine from fixed speed to highly efficient, constant torque, variable speed.

The proven principle of varying pulley diameters used by Reeves provides accurate, steplessly variable speed, simply by turning a handwheel.



Increasing or decreasing the pulley diameters is obtained by varying the motor shaft – driven shaft centre distance using the slide base.

The pulley assemblies have three main parts: two smooth faced, cone shaped, cast iron discs – one disc is fixed to the motor shaft, the other slides laterally on the hub of the fixed disc; and the belt tension spring. The belt tension spring automatically maintains the correct belt tension for all output speeds.

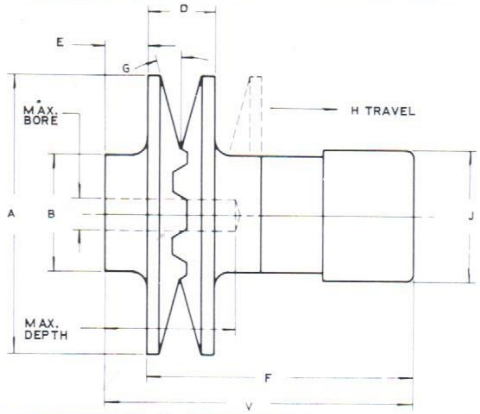


The *Reeves vari-speed motor pulleys* use either standard A or B vee belts and standard vee pulley or a cog type variable speed belt and flat pulley of suitable width.

REEVES MOTOR PULLEYS

TABLE 1

Pulley Size & Model	kW Rating 1440	kW Rating 960	Speed Variation	Belt Section	Slide Base to Suit	Stock Bore	Maximum Bore
850	0.37	0.18	2.25:1	A	TEL 1A	NIL	19
870	0.75	0.37	2.5:1	B	TEL 1A	NIL	25
890	1.5	0.75	3.5:1	B	TEL 1A	NIL	28



Model No.	Max. Bore	Max. Depth	Min. P.D.	Max. P.D.	Ratio	A	B	D	E	F	G	H	J	O	P	V	W
MOTOR PULLEY - DIMENSIONS																	
850	19	64	53	120	2.25:1	127	32	18	19	102	18°	25	54	–	–	121	–
870	25	76	67	168	2.5:1	178	45	22	17	140	18°	37	70	–	–	158	–
890	28	76	62	220	3.5:1	229	45	24	25	183	18°	42	82	–	–	208	–

TABLE 2

SPEED RANGE AVAILABLE –

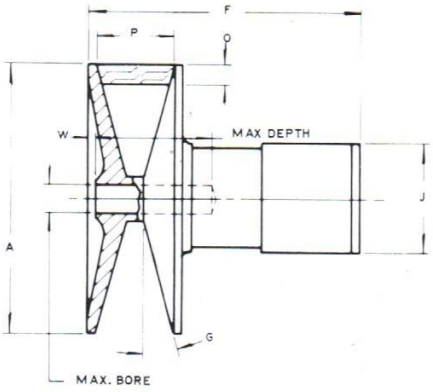
Reeves pulley to vee pulley drive output speeds for 1440 r/min. Motor (for 960 r/min. Motor x .66)

Pitch Dia. Driven Sheave	A Section Belt 850 Max. r/min.	A Section Belt 850 Min. r/min.	B Section Belt 870 Max. r/min.	B Section Belt 870 Min. r/min.	B Section Belt 890 Max. r/min.	B Section Belt 890 Min. r/min.
127	1370	610				
140	1240	550				
152	1140	510				
178	975	435	1360	545		
203	850	380	1190	475		
229	760	340	1060	425	1380	390
254	685	305	955	380	1240	355
279	620	275	865	345	1135	320
305	570	255	795	320	1040	295
320	525	235	735	295	955	270
353	490	220	680	270	890	250
381	455	200	635	255	830	235
406	425	190	595	240	775	220
432	400	180	560	225	730	210
457	380	170	530	210	690	195
483			500	200	655	185
508			475	190	620	175

REEVES MOTOR PULLEYS

TABLE 3

Pulley Size & Model	kW Rating 1440	kW Rating 960	Speed Variation	Belt Section	Slide Base to Suit	Stock Bore	Maximum Bore
22	2.2	1.5	4:1	Vari-speed	TEL 1A	NIL	28
33	4.0	2.2	3:1	Vari-speed	TEL 3A	NIL	35
66	7.5	5.5	3:1	Vari-speed	TEL 3A	NIL	42
88	11.0	7.5	2:1	Vari-speed	TEL 3A	NIL	42



MOTOR PULLEY – DIMENSIONS

Model No.	Max. Bore	Max. Depth	Min. P.D.	Max. P.D.	Ratio	A	B	D	E	F	G	H	J	O	P	V	W
22	28	80	67	260	4:1	267	–	–	–	226	11°	–	86	10	46	–	6
33	35	95	92	280	3:1	292	–	–	–	280	15°	–	89	14	70	–	19
66	42	121	107	318	3:1	330	–	–	–	318	15°	–	114	14	70	–	19
88	42	121	148	318	2:1	330	–	–	–	318	15°	–	114	14	70	–	19

TABLE 4

SPEED RANGE AVAILABLE –
REEVES MOTOR PULLEY TO FLAT FACE PULLEY

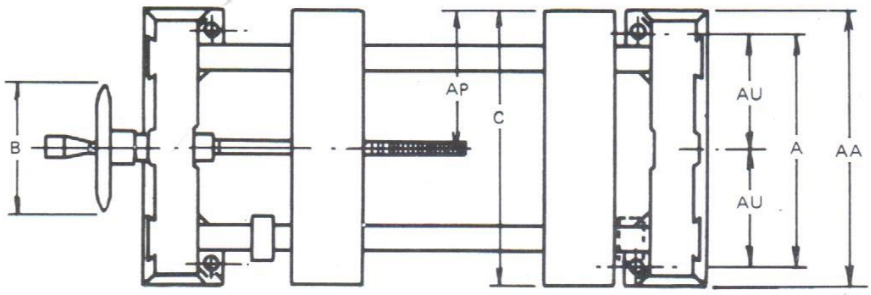
Flat Face Pulley 22 64mm Wide 33, 66, 88, 102mm Wide		Output Speeds 1440 r/min. Motor max r/min	1440 r/min. Motor min r/min	960 r/min. Motor max r/min	960 r/min. Motor min r/min	Nominal Belt Pitch Length 1370	1676	1830	2133	2286	2743
						Shaft Centres at Max Speed					
	254	1475	369	985	247	286	440				
	279	1340	335	895	224		420				
	305	1230	308	821	206		390	470			
22	356	1050	263	703	176		330	430			
	406	922	234	615	154			390		610	
	457	818	205	556	140					570	810
	508	738	185	493	124					530	770
	254	1490	497	1000	333			480	635		
	279	1360	453	914	305			460	620		
	305	1252	418	841	280			445	600		915
	356	1080	360	725	242			400	560		875
33	406	951	317	638	213				515		830
	457	848	283	569	190				470		795
	508	766	255	514	171				425		750
	610	650	217	441	147						665
	356	1228	410	824	275			375	530		845
	406	1079	360	725	242				480		800
66	457	964	321	647	216				445		760
	508	870	290	585	195						720
	610	730	243	490	163						635
	381	1149	575	772	386				510		825
	406	1079	540	725	363				480		800
88	457	964	482	647	324				445		760
	508	870	435	585	293						720
	610	730	365	490	245						635

MOTOR SLIDE BASES

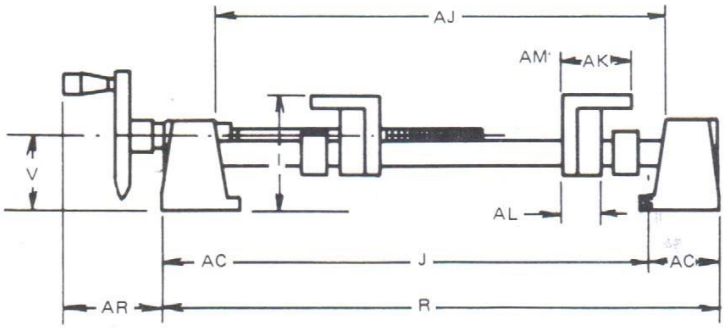
The Reeves motor slide base is ruggedly constructed of cast iron and steel to withstand the rigors of many years of service in the field.

They are designed to compliment the range of Reeves Motor Pulleys.

DIMENSIONS



S BOLTS



MOTOR BASES

NOTE: TEL 1A BASE IS NOT PROVIDED WITH TRAVEL STOPS.

MOTOR BASES MUST BE DRILLED AND TAPPED TO SUIT THE MOTOR.

Model No.	A	B	C	I	J	R	V	AA	AC	AJ	AK	AL	AM	AP	AR	AU	S BOLTS
MOTOR BASE – DIMENSIONS																	
Tel. 1A	140	102	178	73	362	413	60	178	25	356	35	16	–	89	76	70	8
Tel. 3A	225	140	275	110	460	580	75	275	60	505	62	41	25	137.5	80	112.5	14

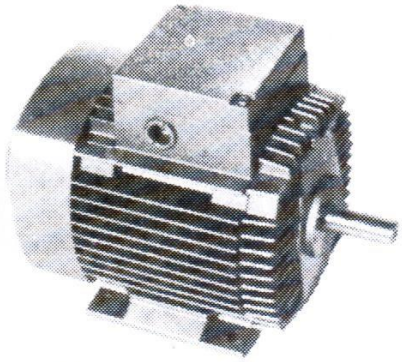
EXAMPLES:

1) A variable speed motor pulley is to be used on a small fruit conveyor which is to run between speeds of 600 and 265 r/min. A 0.75 kW, 1440 r/min. electric motor is to be used. Select a suitable pulley combination and motor base.

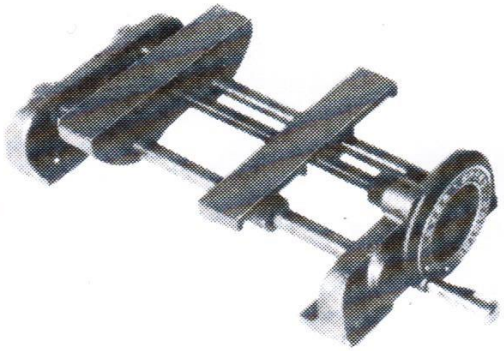
From Table 1 choose an 870 Reeves Motor Pulley and a Tel 1A base.

From Table 2 the nearest suitable speed range is 635 to 255 r/min, so a 381mm pitch diameter, B section vee pulley is required.

Motor Pulleys 0.18 - 1.5 kW

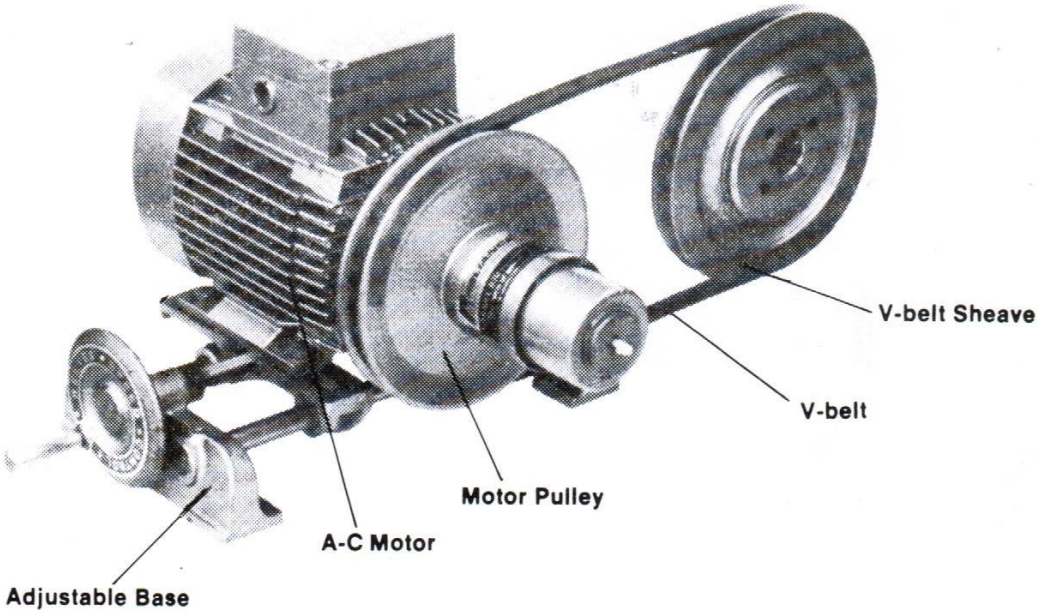


1 Select any existing motor or a new A-C Motor



2 Mount the motor to this standard adjustable base. It has cast-iron and steel construction for long life.

3 Mount the Reeves Motor Pulley on the motor shaft. Add a V-belt and mount a standard V-belt sheave to the driven machine.

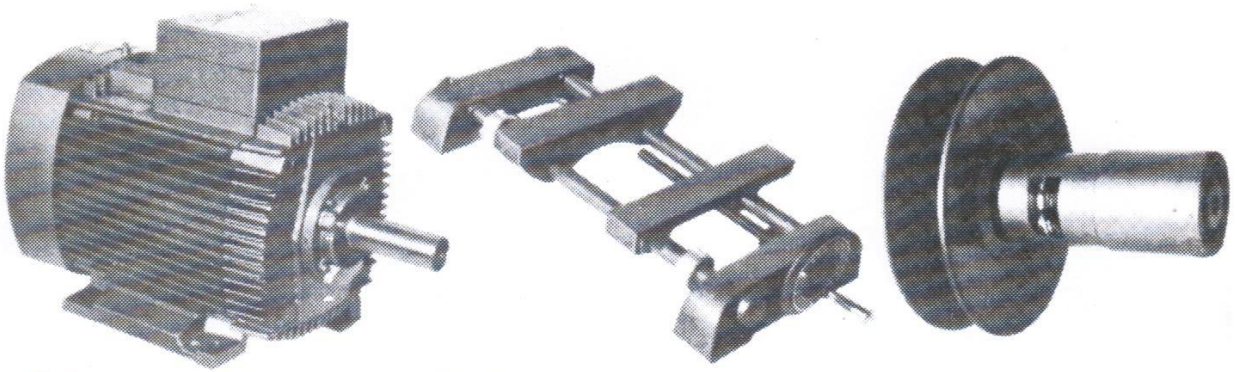


2) A 4 kW, 1440 r/min. electric motor is to drive a centrifugal pump at speeds between 1300 and 480 r/min. Preferred centre distance is approximately 605mm. Choose a suitable Reeves Motor pulley drive.

From Table 3 it would be necessary to select a model 33 motor pulley and TEL 3A base.

Table 4 shows it is necessary to use a 279 mm outside diameter flat face pulley, 102 mm wide which gives an actual speed range of 1360–453 r/min and by using a 2133 mm pitch length vari-speed belt the shaft centre distance is 620 mm at maximum speed.

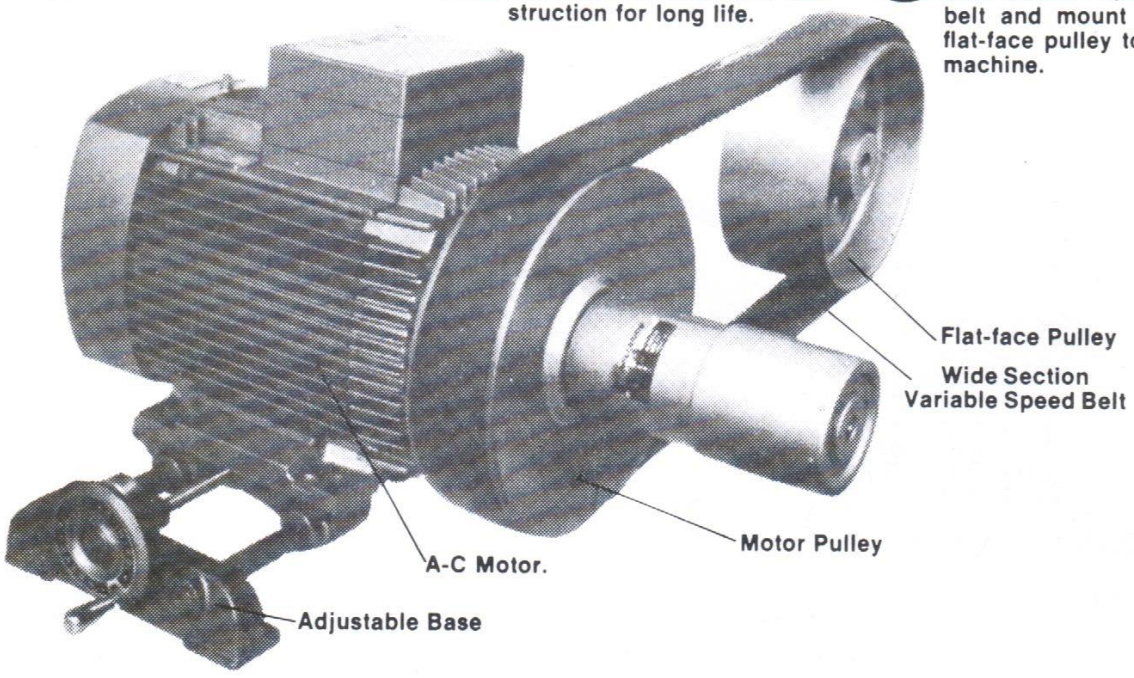
Motor Pulleys 1.5 - 11 kW.

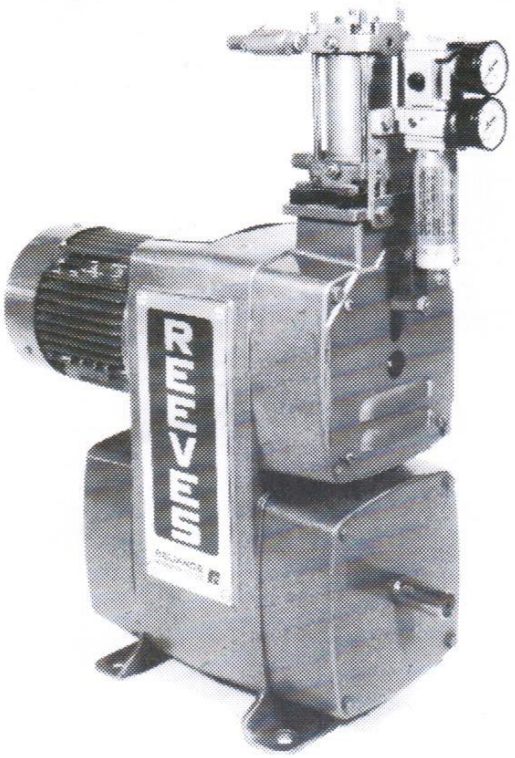


1 Select any existing motor or a new A-C Motor.

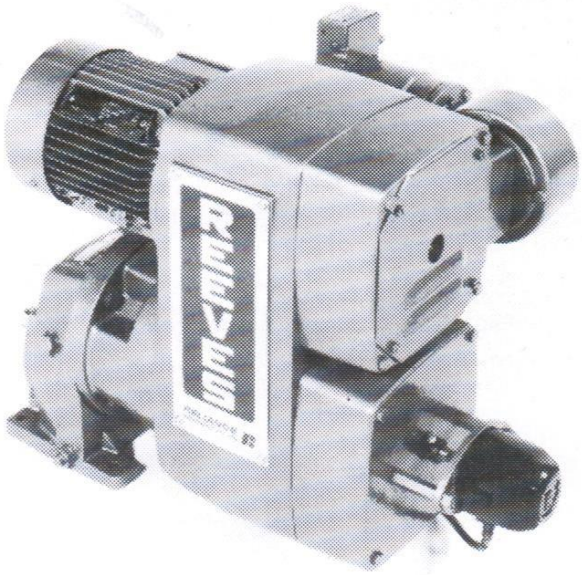
2 Mount the motor to this standard adjustable base. It has cast-iron and steel construction for long life.

3 Mount the Reeves Motor Pulley on the motor shaft. Add a wide section variable speed belt and mount a standard flat-face pulley to the driven machine.

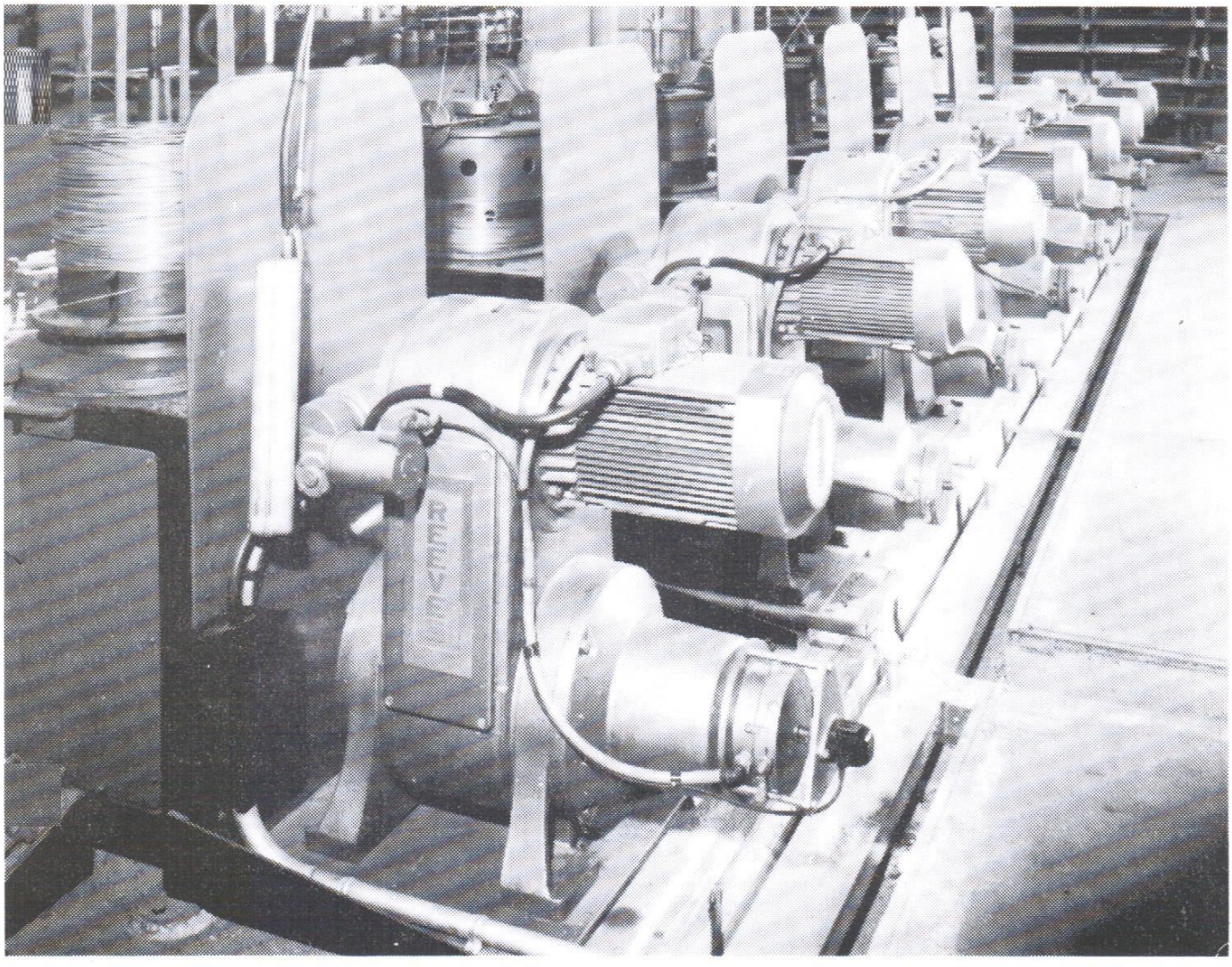




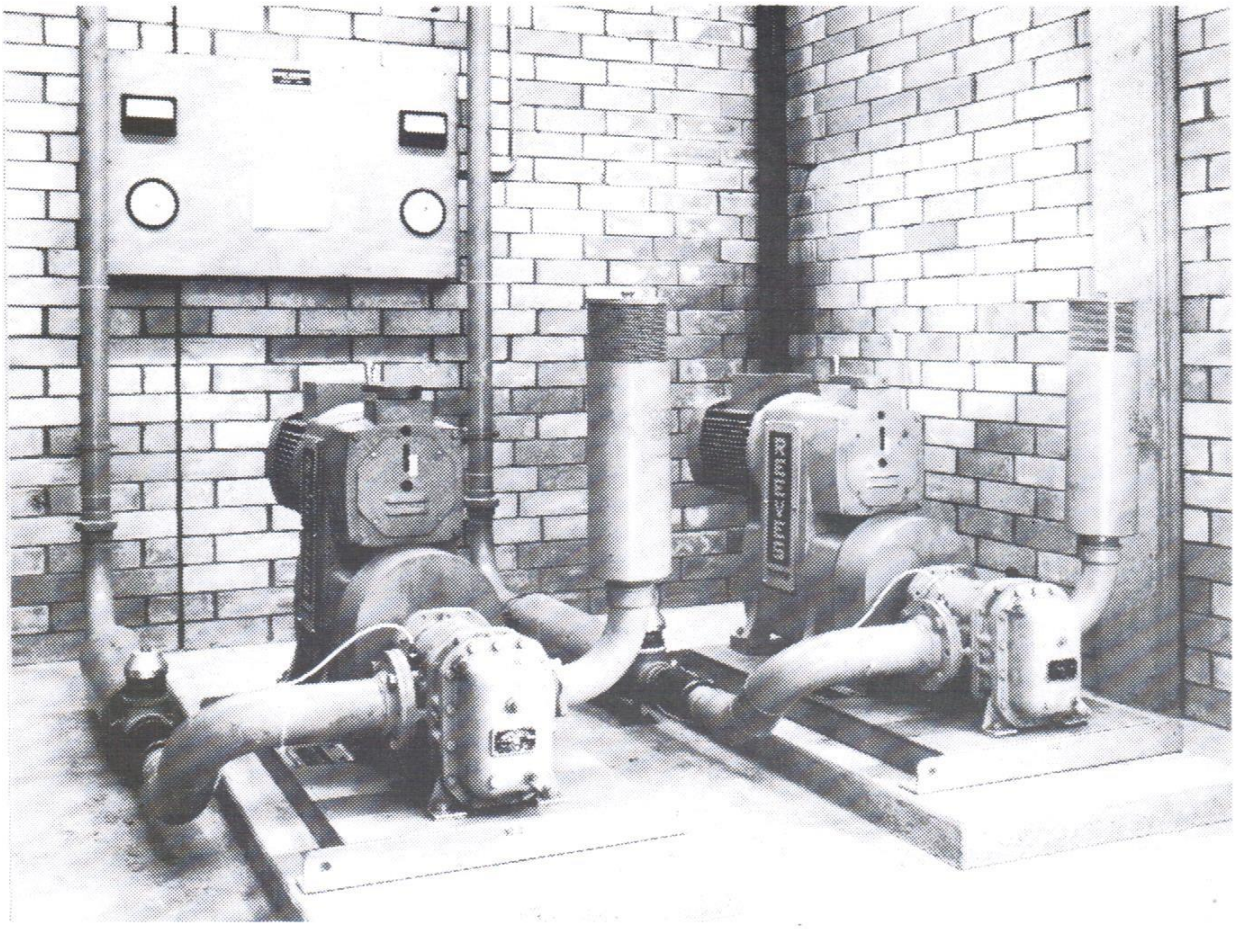
A TYPICAL MOTODRIVE WITH AIRCONTROL & POSITIONER



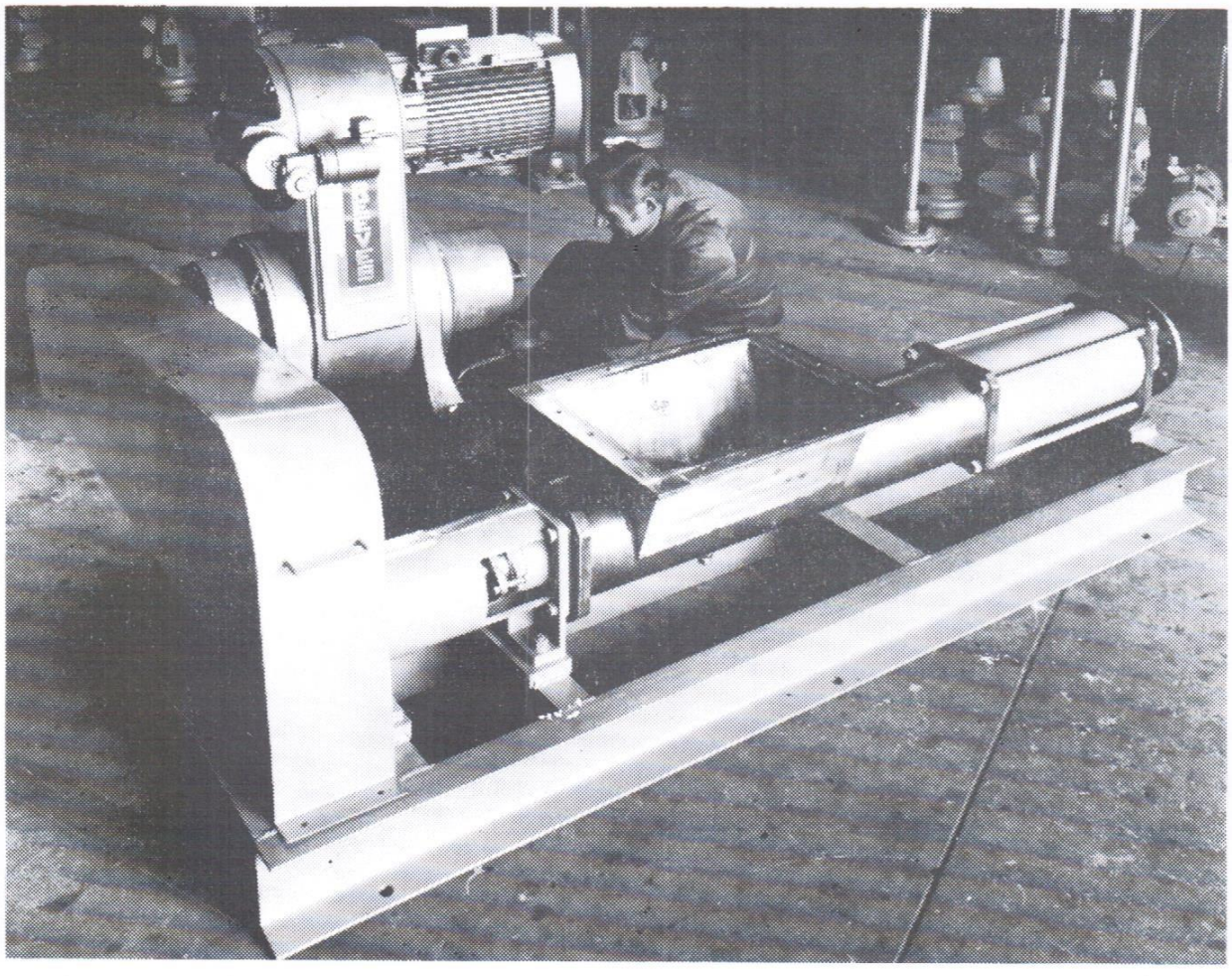
REEVES MOTODRIVE FITTED WITH SERVO CONTROL & ELECTRIC SPEED INDICATOR



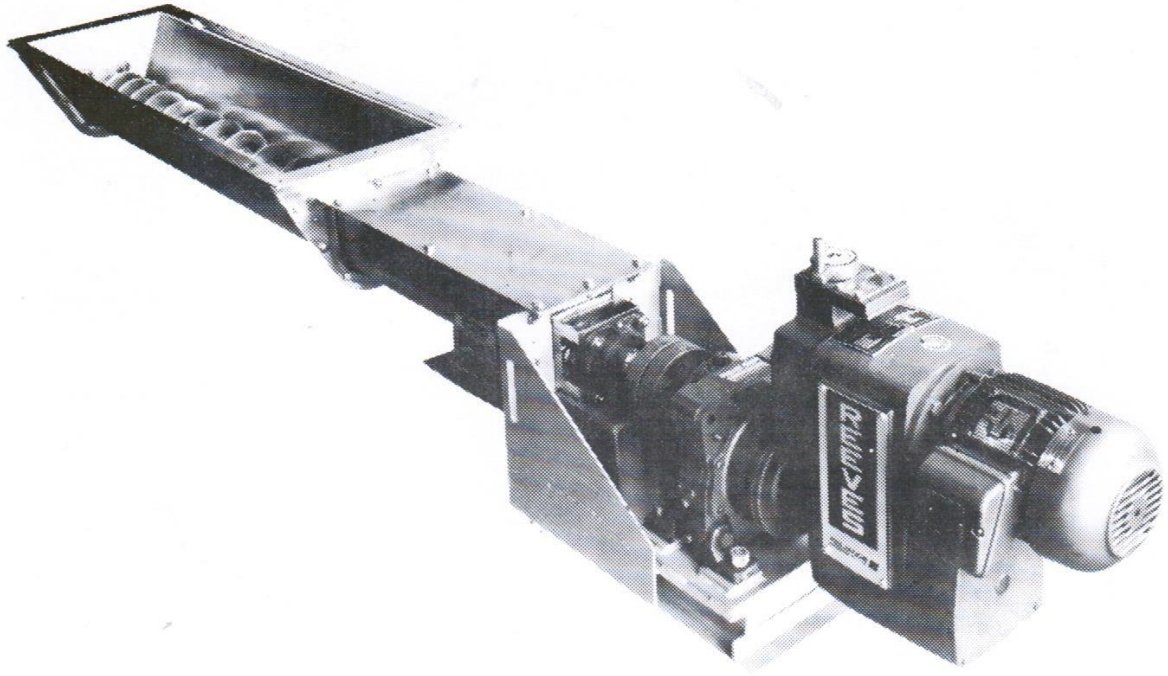
REEVES MOTODRIVES ON WIRE STRAIGHTENING MACHINES



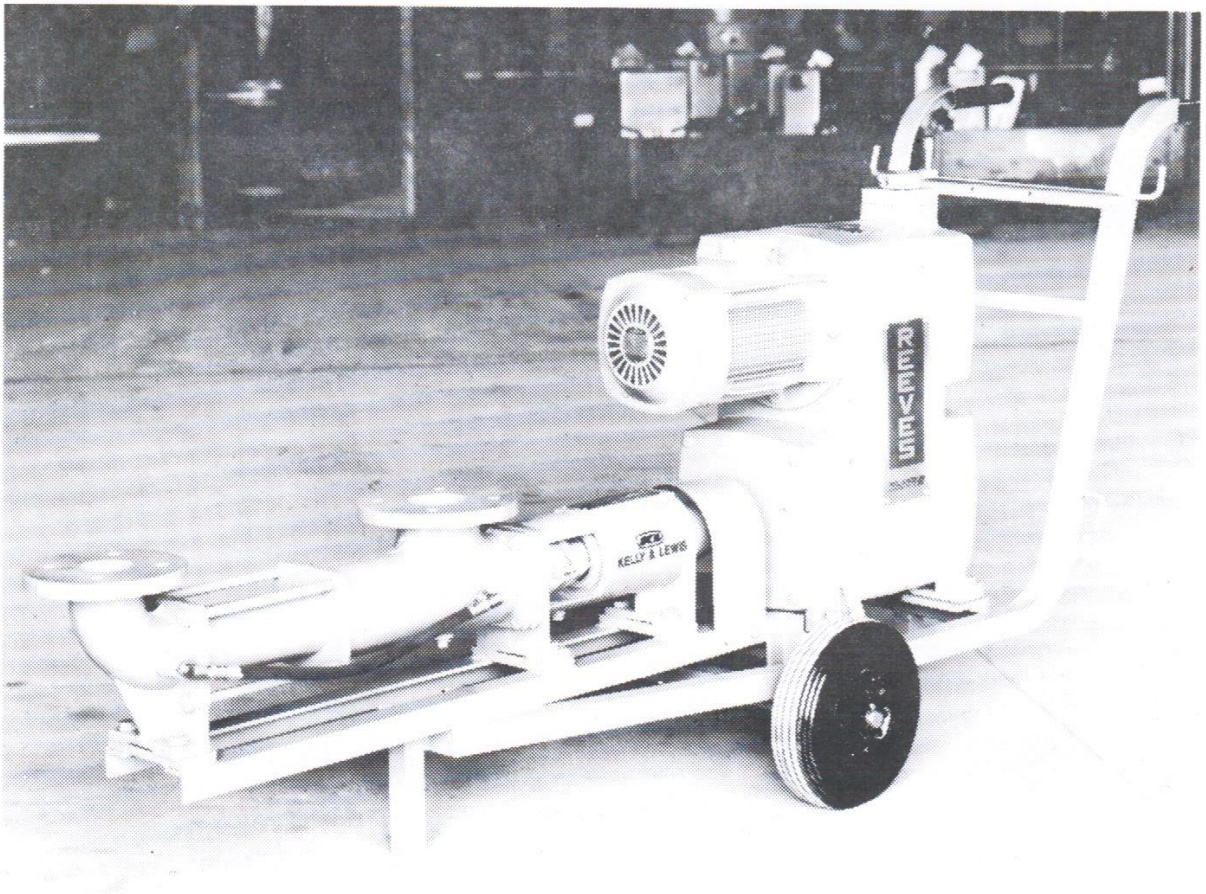
REEVES MOTODRIVES USED IN AERATION PLANT



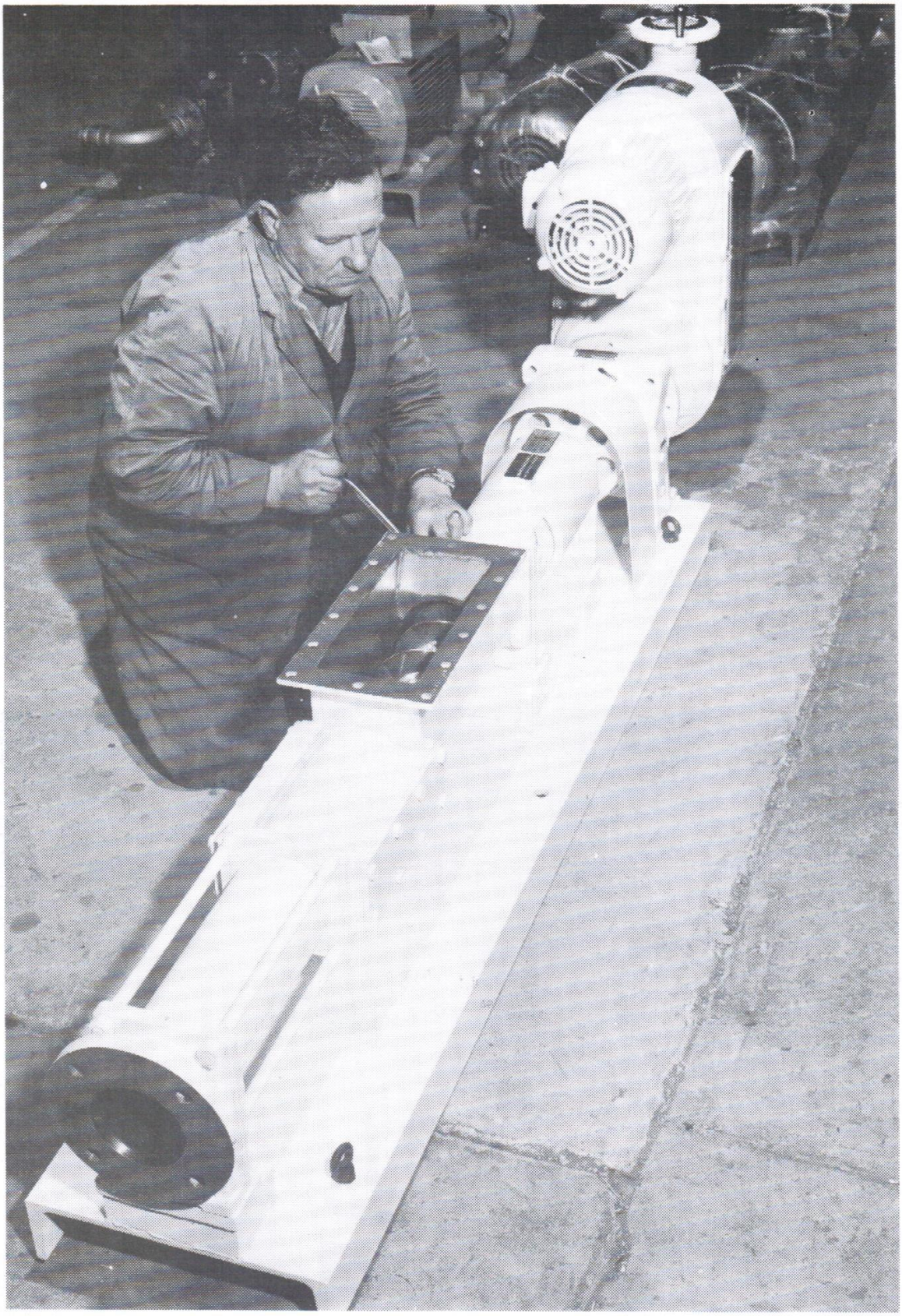
APPLICATION: BORNEMAN MODEL ER2500 OPEN THROAT GENERAL PURPOSE PROCESS PUMP



A JACMOR ENGINEERING SCREW CONVEYOR WITH REEVES MOTODRIVE



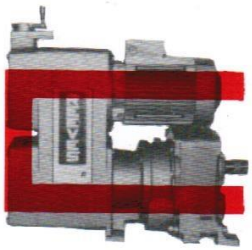
APPLICATION: BORNEMAN MODEL EH250 TROLLEY MOUNTED WINE TRANSFER PUMP



REEVES MOTODRIVE WITH HYGIENE FINISH FOR FOOD INDUSTRY APPLICATION

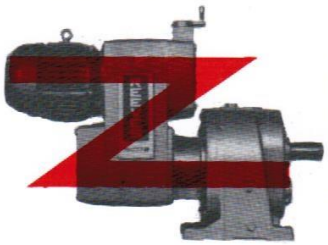
measures up in MOUNTING

All Motodrives can be supplied in either vertical or horizontal assembly.



C–FLOW

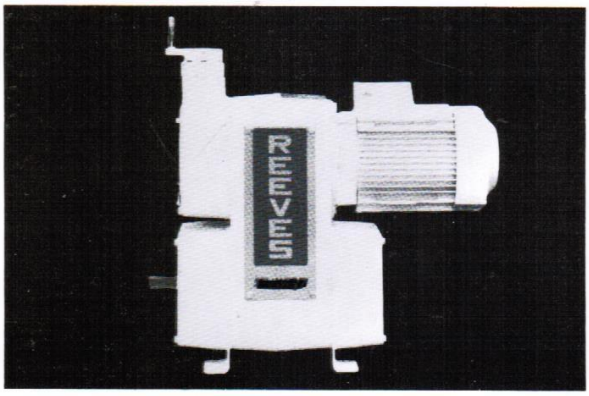
In this configuration the motor is on the same side of the belt case as the output shaft. "C" flow is designed for applications where length is the critical dimension.



Z–FLOW

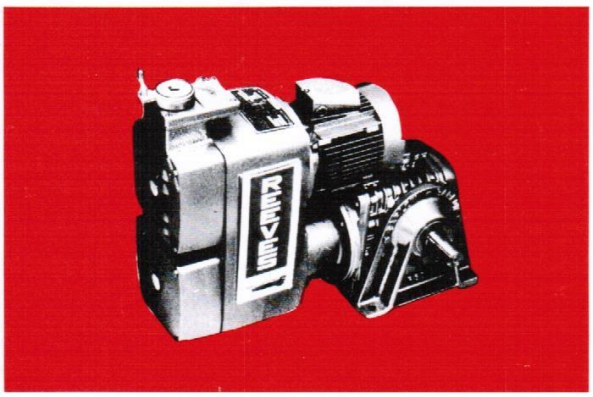
In this configuration the motor is mounted on the opposite side of the belt case from the output shaft. "Z" flow is designed for applications where height is restricted above the output shaft.

measures up in your INDUSTRY



'HYGIENE' MOTODRIVE.

The Reeves 'Hygiene' Motodrive is specifically designed for applications where hygiene control is essential. Features include a totally enclosed, hoseproof drive unit with a smooth epoxy white enamel finish which is both chemical resistant and 'easi-clean'.

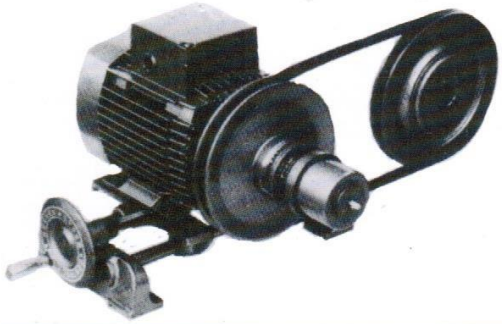


RIGHT-ANGLE MOTODRIVE.

The right-angle Helical Worm or Helical Bevel Motodrive, available .75 KW. through 11 KW. accommodates those special applications relative to your industry. Optional features of hollow shaft with flange or torque arm mounting adds to the versatility of this Drive.

ALSO AVAILABLE

Reeves Motor pulleys, belts and bases for ratings from 0.18KW to 11KW.
A simple, economical speed variation package.



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