

REULAND HYDRAULIC PUMP MOTORS

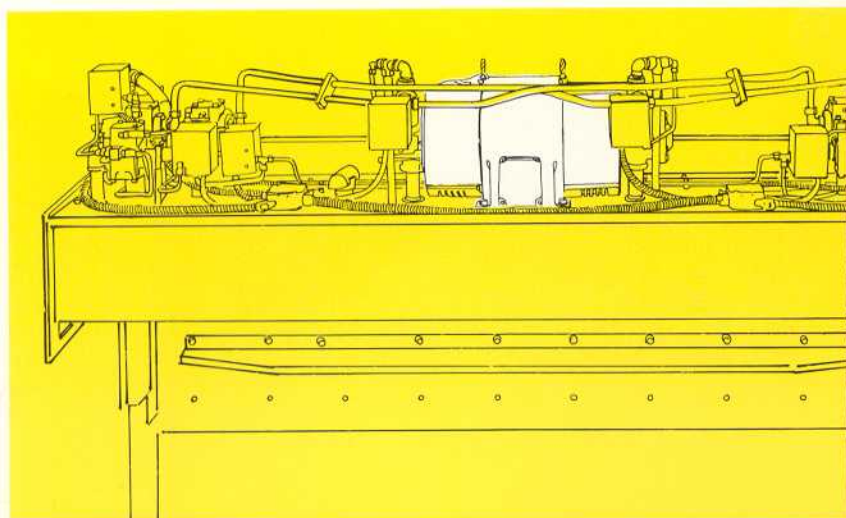


WHATEVER YOUR HYDRAULIC PUMP, REULAND DIRECT COUPLED MOTORS GIVE YOU THE MOST EFFICIENT HOOK-UP EVER INVENTED!

There's a Reuland motor and coupling for nearly every hydraulic pump model made. They're shipped ready to mount directly to your pump. You simply bolt them on. Think of the substantial savings in time and mounting parts you gain from direct mounting. And the greatly reduced bearing, seal and motor wear our automatic alignment can give you.

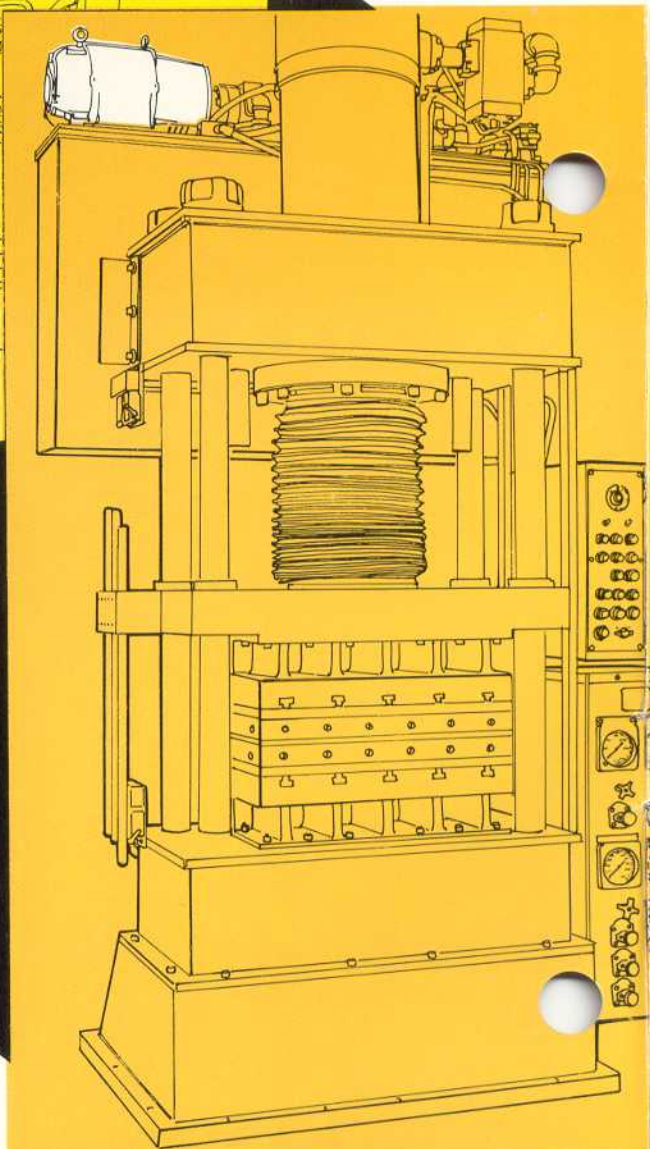
Then too, Reuland's close coupling pump mount motors can reduce the overall assembly length by up to 15 inches. And our Waferthin tank mount motors pack regular horsepower in half the length. You design compact, cleaner looking units that are a real benefit in tight situations.

By incorporating double-ended shafts, two pumps can be operated from one motor. That often can replace two units, simplify piping, reduce space and motor costs. Reuland hydraulic pump mount and tank mount motors are available in a wide selection of foot, face and flange mountings. And they can be custom designed to deliver an exciting variety of special performance characteristics.



Double ended shaft hydraulic pump motor on press brake

10 hp round shaft hydraulic pump motor on 100 ton plastic pre-forming press





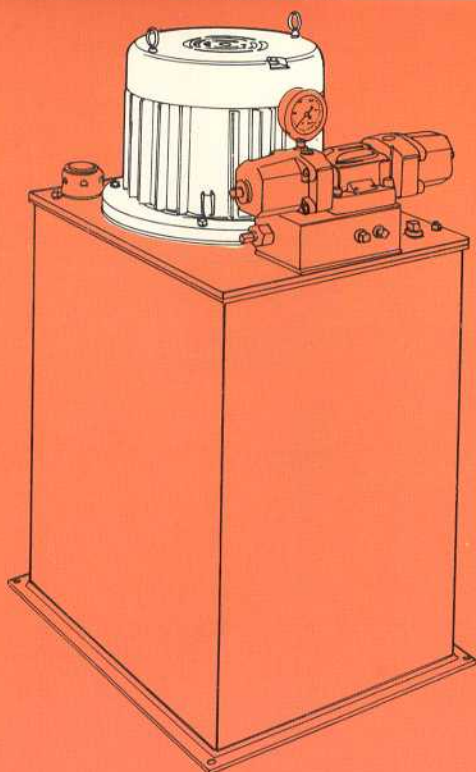
FOR ROUND SHAFT PUMPS

Standard industrial round shaft pumps are mated to the motor shaft with a splined coupling. High horsepower applications employ our high performance gear-type coupling.

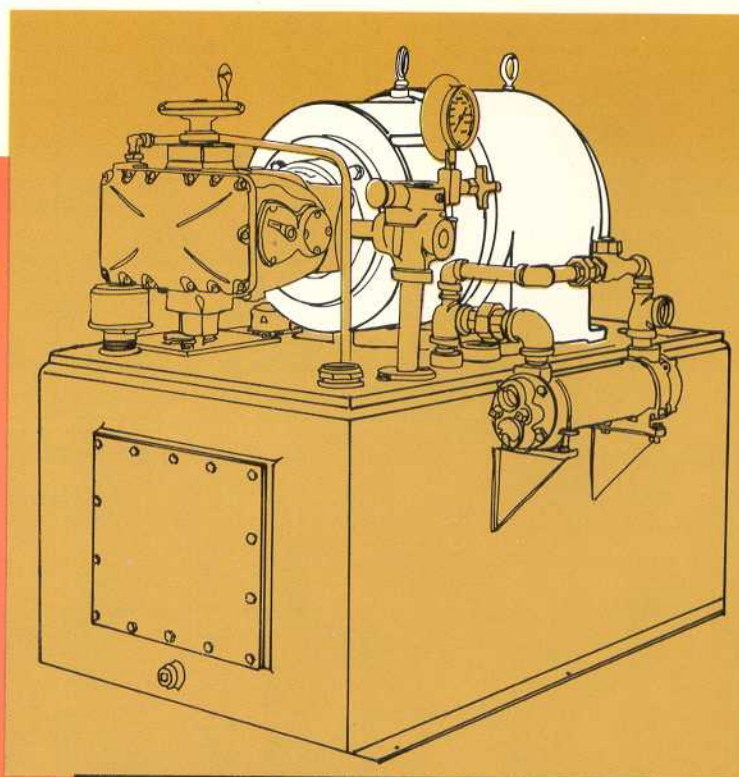


FOR FLEXIBLE COUPLINGS

Heavy duty magnesium alloy coupling has a neoprene drive member to provide maximum torsional strength, cushion shocks, vibrations and noise.



Waferthin TEFC pump motor top mounted on hydraulic power unit

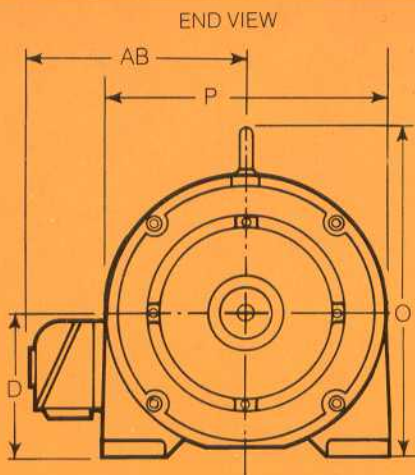


Pump motor direct coupled to typical hydraulic power unit

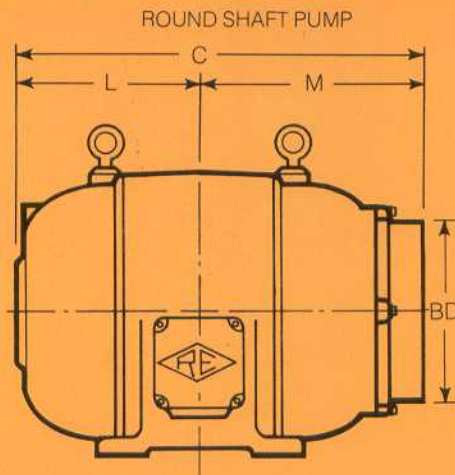
TYPICAL HYDRAULIC PUMP MOUNT MOTOR

The standard single-end motor dimensions provided below are for estimating purposes only. Complete mounting dimensions of Reuland motors for your specific pump are available through your nearest Reuland Sales office. Reuland offers a complete line of single-end and double-end TENV, TEFC and Drip Proof motors.

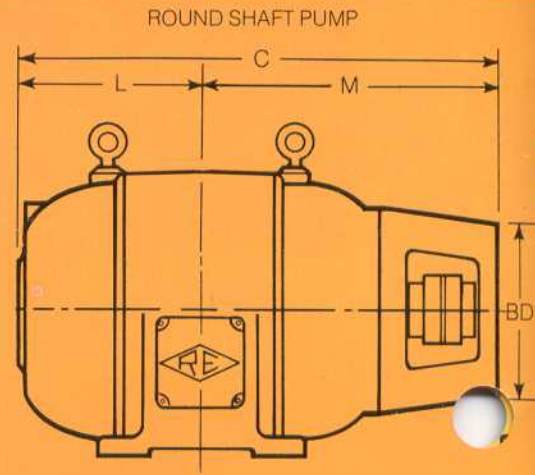
FRAME	D	L	O	P	AB	C *	M *	BD	C *	M *	BD
182	4.50	4.88	9.00	9.00	7.06	12.00	7.12	6.50	15.12	10.25	6.88
184	4.50	5.38	9.00	9.00	7.06	13.00	7.62	6.50	16.12	10.75	6.88
213	5.25	6.12	10.38	10.25	7.94	14.56	8.44	9.00	17.38	11.25	6.88
215	5.25	6.88	10.38	10.25	7.94	16.06	9.19	9.00	18.88	12.00	6.88
254U	6.25	8.12	12.38	12.25	9.81	18.75	10.62	10.00	21.50	13.38	6.88
256U	6.25	9.00	12.38	12.25	9.81	20.50	11.50	10.00	23.25	14.25	6.88
284U	7.00	9.31	13.94	13.88	10.75	20.88	11.56	11.25	24.06	14.75	6.88
286U	7.00	10.06	13.94	13.88	10.75	22.38	12.31	11.25	25.56	15.50	6.88
324U	8.00	10.25	15.94	15.88	12.12	23.12	12.88	14.00	26.25	16.00	6.88
326U	8.00	11.00	15.94	15.88	13.25	24.62	13.62	14.00	27.75	16.75	6.88
364U	9.00	11.25	17.94	17.88	14.25	24.88	13.62	14.00	28.25	17.00	6.88
365U	9.00	11.75	17.94	17.88	14.25	25.88	14.12	14.00	29.25	17.75	6.88



FOOT MOUNTED MOTOR



SPLINE COUPLING TYPE



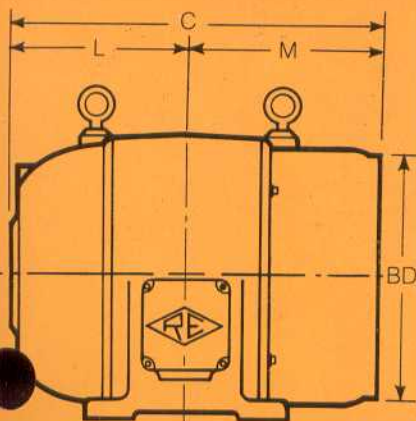
FLEXIBLE COUPLING TYPE

TYPICAL WAFERTHIN® TANK MOUNT MOTOR

The dimensions below are for estimating only. See your nearest Reuland Sales Office for dimensions of motors within each frame series. Waferthin motors available in TENV and TEFC models.

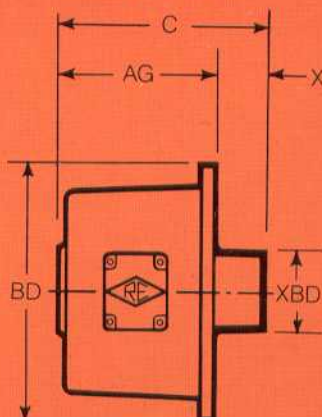
C *	M *	BD	FRAME SERIES	C *	AG	X	BD	XBD	C *	AG	X	BD	XBD
9.81	4.94	6.50	800	8.69	6.38	2.31	10.25	4.38					
10.81	5.44	6.50	900S						10.62	8.25	2.38	12.00	4.38
12.44	6.31	9.00	900						12.06	9.62	2.38	13.00	4.38
13.94	7.06	9.00	1000S						9.50	7.12	2.38	14.00	4.38
16.25	8.19	9.00	1000						10.62	8.25	2.38	16.25	4.38
18.00	9.00	9.00	1200						12.19	9.88	2.31	18.00	4.38
18.44	9.12	11.00	1400S						12.44	10.12	2.31	18.00	5.75
19.94	9.88	11.00	1400						13.94	11.62	2.31	18.00	5.75
20.50	10.25	14.00											
22.00	11.00	14.00											
24.00	12.75	14.00											
25.00	13.25	14.00											

SPLINE SHAFT PUMP



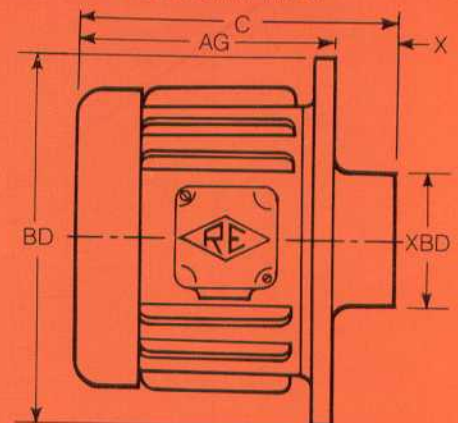
INTERNAL SPLINE INSERT TYPE

ROUND SHAFT PUMP



SPLINE COUPLING TYPE

ROUND SHAFT PUMP



SPLINE COUPLING TYPE

SELECTING YOUR REULAND PUMP MOTOR

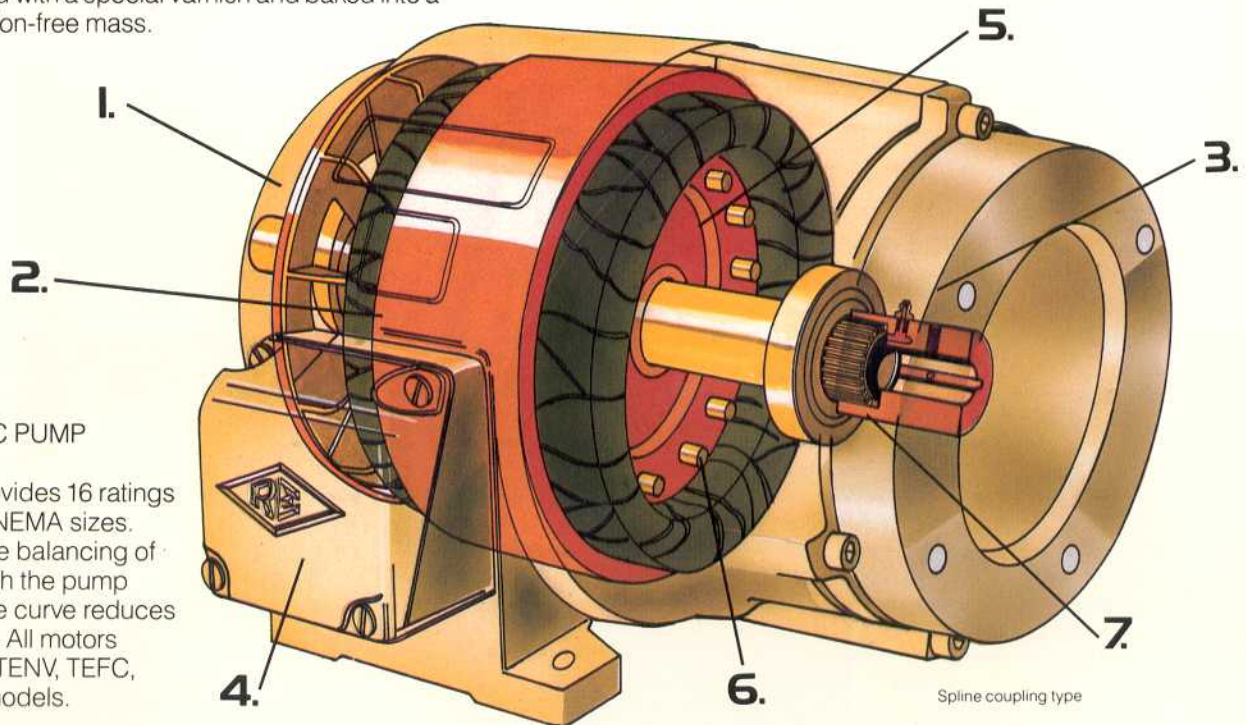
1. ALUMINUM ALLOY FRAME AND END BELLS
Rugged, high grade castings are up to 35% lighter than cast iron, and dissipate heat 1/3 faster.

2. COPPER COILS
Coils wound of copper wire only, with Class B insulation materials as standard. Entire unit impregnated with a special varnish and baked into a solid, vibration-free mass.

3. COUPLING LUBRICATION Grease fitting provides easy lubrication of spline or gear coupling without removing hydraulic pump.

4. EASY ACCESS TERMINAL BOX
Diagonal-split box design gives ample room to work. Wire codes simplified for positive lead identification.

HYDRAULIC PUMP MOTORS
Reuland provides 16 ratings in between NEMA sizes. Such precise balancing of motor hp with the pump performance curve reduces motor costs. All motors available in TENV, TEFC, Drip Proof models.



HP	RPM	FRAME	APPROX NET WT LBS §	HP	RPM	FRAME	APPROX NET WT LBS §	HP	RPM	FRAME	APPROX NET WT LBS §	HP	RPM	FRAME	APPROX NET WT LBS §
1/2	1800	182	32	5	3600	213	71	*17 1/2	1200	324-U	340	*37 1/2	1800	*326-U	407
1/2	1200	182	35	5	1800	215	84	20	3600	*284-U	213	*37 1/2	1200	365-U	460
3/4	3600	182	37	5	1200	254-U	170	20	1800	286-U	270	40	3600	326-U	387
3/4	1800	182	40	*6 1/4	3600	215	85	20	1200	326-U	365	40	1800	*326-U	410
3/4	1200	182	41	*6 1/4	1800	215	100	*22 1/2	3600	*286-U	265	40	1200	365-U	495
1	3600	182	38	*6 1/4	1200	254-U	175	*22 1/2	1800	324-U	290	*45	3600	364-U	400
1	1800	182	41	7 1/2	3600	215	106	*22 1/2	1200	326-U	380	*45	1800	365-U	450
1	1200	184	42	7 1/2	1800	254-U	168	25	3600	*286-U	293	50	3600	364-U	430
1 1/2	3600	182	40	7 1/2	1200	256-U	185	25	1800	324-U	360	50	1800	365-U	490
1 1/2	1800	184	42	*8 3/4	3600	254-U	120	25	1200	*326-U	395	*55	3600	365-U	440
1 1/2	1200	184	43	*8 3/4	1800	256-U	170	*27 1/2	3600	324-U	325	*55	1800	365-U	510
2	3600	184	42	*8 3/4	1200	284-U	225	*27 1/2	1800	324-U	380	60	3600	365-U	490
2	1800	184	43	10	3600	254-U	144	*27 1/2	1200	326-U	400	60	1800	365-U	530
2	1200	213	73	10	1800	256-U	188	30	3600	324-U	357	*65	3600	365-U	495
*2 1/2	3600	184	48	10	1200	284-U	255	30	1800	326-U	400	*65	1800	365-U	535
*2 1/2	1800	213	49	*12 1/2	3600	256-U	160	30	1200	326-U	410	*70	3600	365-U	500
*2 1/2	1200	213	70	*12 1/2	1800	284-U	225	*32 1/2	3600	324-U	365	*70	1800	365-U	540
3	3600	184	54	*12 1/2	1200	286-U	275	*32 1/2	1800	*326-U	403	75	3600	365-U	505
3	1800	213	75	15	3600	256-U	179	*32 1/2	1200	364-U	420	75	1800	365-U	545
3	1200	215	78	15	1800	284-U	260	*35	3600	326-U	375	*80	1800	365-U	585
*4	3600	213	60	15	1200	324-U	315	*35	1800	*326-U	405				
*4	1800	215	80	*17 1/2	3600	*284-U	190	*35	1200	364-U	440				
*4	1200	254-U	100	*17 1/2	1800	286-U	265	*37 1/2	3600	326-U	380				

§ Weights are for single-end, Drip Proof motors
 • Use next higher frame size for TEFC ratings
 * Intermediate HP rating

5. ONE PIECE DIE CAST ROTOR

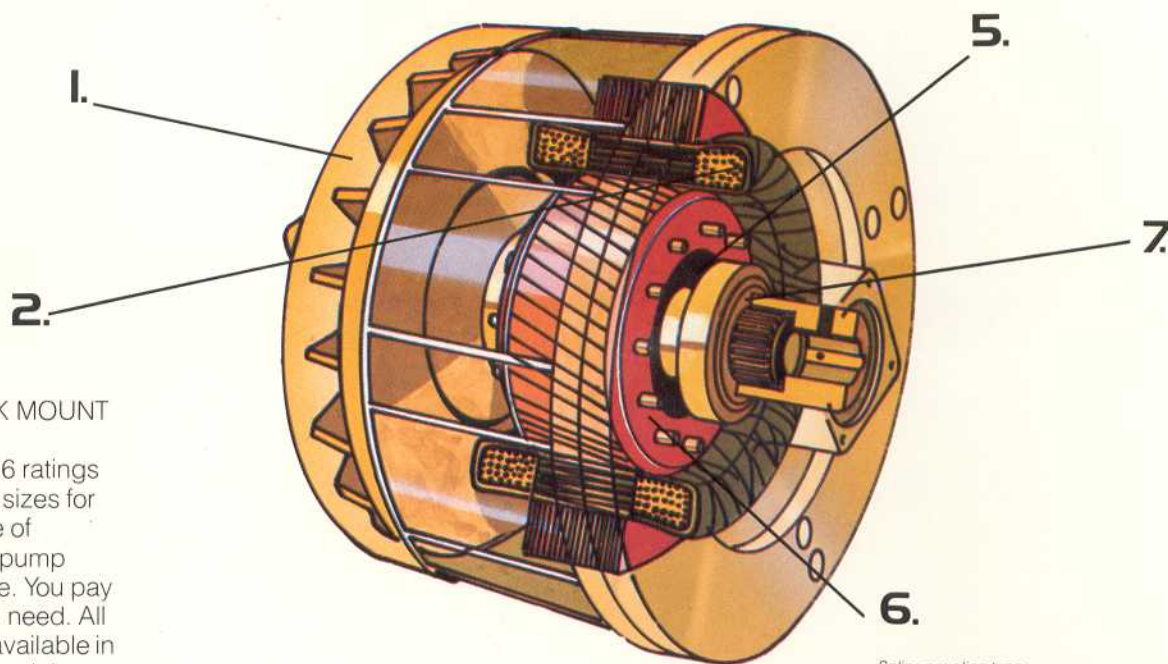
Rotor and end rings cast as one piece of high grade aluminum alloy. Provides low inertia and fast heat dissipation for longer life.

6. FACTORY TESTED AND BALANCED

Each Reuland motor is individually tested and dynamically balanced before leaving factory.

7. PRE LUBRICATED BEARINGS

Heavy duty ball bearings are lubricated for life by the bearing maker.



WAFERTHIN TANK MOUNT MOTORS

Reuland provides 6 ratings in between NEMA sizes for maximum balance of motor hp with the pump performance curve. You pay only for the hp you need. All Waferthin motors available in TENV and TEFC models.

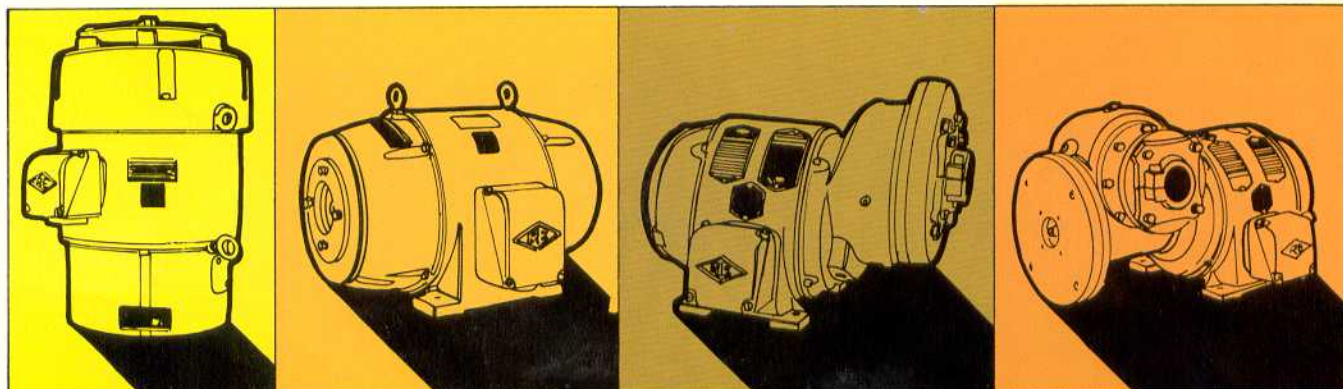
Spline coupling type

HP	RPM	FRAME		APPROX NET WT LBS	HP	RPM	FRAME	APPROX NET WT LBS	HP	RPM	FRAME	APPROX NET WT LBS
		TENV	TEFC								TEFC	
1/3	900	810		44	2 1/2	3600	912	70	7 1/2	3600	1216	140
1/2	1800	810		43	2 1/2	1800	913S	72	7 1/2	1800	1216	140
1/2	1200	810		44	2 1/2	1200	914	74	7 1/2	1200	1216	147
1/2	900	812		45	2 1/2	900	1216	140	8 3/4	3600	1216	142
3/4	1800	810		44	3	3600	912	70	8 3/4	1800	1216	143
3/4	1200	812		45	3	1800	913S	72	8 3/4	1200	1418S	203
3/4	900		812	47	3	1200	914	76	10	3600	1216	145
1	3600		810	44	3	900	1216	140	10	1800	1216	147
1	1800	810		45	4	3600	913	72	10	1200	1418S	205
1	1200		812	47	4	1800	914	75	12 1/2	3600	1418S	210
1	900		913	62	4	900	1216	146	12 1/2	1200	1418S	210
1 1/2	3600		810	46	4	900	1216	146	12 1/2	1200	1418	225
1 1/2	1800	912S		54	5	3600	913	72	15	3600	1418	220
1 1/2	1200	913		62	5	1800	1014	75	15	1800	1418S	215
1 1/2	900		914	69	5	1200	1216	140	17 1/2	3600	1418	235
2	3600		912	68	5	900	1216	146	17 1/2	1800	1418	235
2	1800	912S		64	6 1/4	3600	1014	77	20	3600	1418	240
2	1200		914	69	6 1/4	1800	1014	79	20	1800	1418	255
2	900		914	72	6 1/4	1200	1216	145				

Frame selection chart covers Waferthin motors, 55°C rise.

GET THE HOOK-UP THAT EXACTLY FITS YOUR SYSTEM.

Reuland's unique 'Xpandable' design concept allows you to combine pump motors, couplings, gear reducers to provide the exact assembly you need. Here are a few examples.



Single-end round body
TEFC tank top mounting.

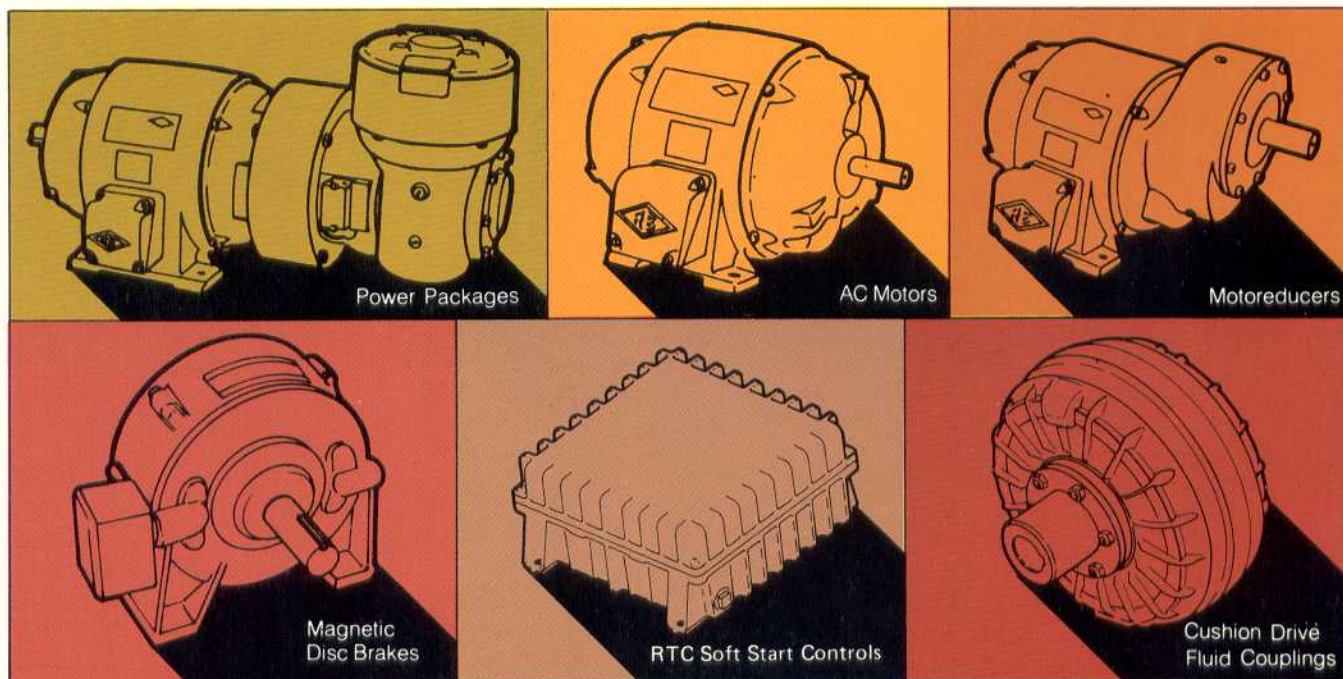
Double-end spline coupled
Drip Proof motor.

Helical Motoreducer with two
high/low pressure pump mounts.

Right angle worm Motoreducer
with high/low pressure pump mounts.

REULAND... THE POWER DRIVE PEOPLE.

Reuland's 'Xpandable' design system furnishes thousands of combinations of motors, gear drives, brakes, clutches, start controls and other components. Designers can obtain the exact speed, horsepower or torque, and starting and stopping characteristics they require.



Power Packages

AC Motors

Motoreducers

Magnetic
Disc Brakes

RTC Soft Start Controls

Cushion Drive
Fluid Couplings



REULAND ELECTRIC

MOTOR DIVISION: 17969 E. Railroad St., Industry, California 91748 - (818) 964-6411 - TWX (910) 584-1308

BRAKE DIVISION: 4500 E. Grand River Ave., Howell, Michigan 48843 - (517) 546-4400 - TWX (810) 251-6266