

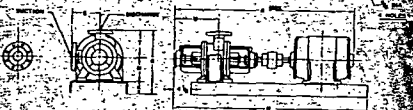
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Master Fr. NEMA 55%											
	A	B	C	D	E	F	G	H	I	J	K
213, 215	47-3/16	4-5	10-1/16	40	5/16	11-1/16	7/8	5	3/8	3-1/16	5/16
2540, 2560	48-3/8	4-5/8	15-1/16	45	5/8	11-1/8	7/8	5	3/8	3-1/16	5/16
2840	51-1/2	5-1/4	17-1/8	48	5/8	11-1/8	7/8	5	3/8	3-1/16	5/16
2880	51-3/4	5-1/2	17-1/8	52	9	6-5/16	11-1/8	7/8	5	3/8	3-1/16
3240, 3260	54-1/4	55-3/16	19-3/16	52	9	6-5/16	11-1/8	7/8	5	3/8	3-1/16

Master Fr. NEMA 55%											
	A	B	C	D	E	F	G	H	I	J	K
213, 215	46-3/16	4-3/8	10-1/16	40	5/16	11-1/16	7/8	5	3/8	3-1/16	5/16
2540, 2560	49-9/16	5-1/8	10-1/16	45	5/8	11-1/8	7/8	5	3/8	3-1/16	5/16
2840	51-3/16	5-5/16	15-1/16	48	5/8	11-1/8	7/8	5	3/8	3-1/16	5/16
2880	52-1/16	5-1/2	15-1/16	52	9	6-5/16	11-1/8	7/8	5	3/8	3-1/16
3240, 3260	55-1/16	56-9/16	21-3/16	52	9	6-5/16	11-1/8	7/8	5	3/8	3-1/16

A₁ Covers standard drip-proof motors.
A₂ Covers totally enclosed motors.

Model	S	T	U	Sur. Dis- tance
3521-3741	7/8	7/8	11-11/16	2 1/2
3751-3781	8/8	9/8	12-7/8	4 2 1/2
3756-3796	8/8	9/8	12-7/8	4 3 1/2



ROTH. Two-Stage Power Pumps serve a variety of applications found in steam power service such as feeding water to steam boilers in a range of 100 to 500 PSI as well as condensate return, autoclave, desuperheater, and vacuum condenser service.

Series 3000 and 2000 have excellent hot water handling characteristics due to the large passages between stages, the special suction entrance modifications, and the inherent vapor handling characteristics of the exclusive ROTH turbine impeller design.

Both series are ruggedly built with extra heavy duty, flexible coupled shafts guaranteed for 10 years against breakage (see ROTH Guarantee, page 12). End-play has been completely eliminated and pressure lubricated ball bearings maintain precision performance and assure long life under hardest service.

Steam engineers understand the proper use and maintenance of packing far better than the harder-to-replace mechanical seal. To cater to this preference, ROTH Power Plant Pumps are designed to handle hot water at high pressures with ordinary packing. Pressure on the packing has been reduced by approximately 85% through the installation of a throttle bushing between the impeller and stuffing box in each side. Packing maintenance is minimized and adjustment made simple and easy.

SERIES 3000 two-stage turbine power plant pumps consist of ten models divided into two general frame sizes.

Balanced design is one of the several factors resulting in the better performance and long life of ROTH series 3000. In these pumps the two stages are arranged so that both

Model No.	Sect.	Block	SPSR	Total Used in Feet											
				108	130	220	250	280	320	350	400	450	500	550	600
3721	2½"	2	30' 7" 3"	18	17	15	14	13	12	11	10	9	8	7	6
			SPSR	16	15	14	13	12	11	10	9	8	7	6	5
			BHP	3.9	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.3
3711	2½"	2	30' 7" 3"	30	28	26	25	24	22	21	20	17	16	14	13
			SPSR	28	26	25	24	22	21	20	17	16	14	13	12
			BHP	4.2	4.6	4.9	5.3	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1
3721	2½"	2	30' 7" 3"	46	44	42	40	38	37	35	33	31	29	27	26
			SPSR	44	42	40	38	37	35	33	31	29	27	26	25
			BHP	4.0	4.7	5.4	6.1	6.8	7.5	8.3	9.1	9.9	11.3	12.8	14.3
3741	2½"	2	30' 7" 3"	61	59	57	54	51	49	47	44	41	39	37	35
			SPSR	59	57	54	51	49	47	44	41	39	37	35	34
			BHP	4.2	4.9	5.7	6.5	7.3	8.1	9.0	10.0	11.0	12.1	13.2	14.3
3751	2½"	2	30' 7" 3"	102	99	97	94	91	89	86	82	79	76	73	70
			SPSR	100	97	94	91	89	86	82	79	76	73	70	68
			BHP	5.0	5.5	6.2	7.0	7.8	8.7	9.5	10.5	11.7	12.9	14.3	15.6
3751	2½"	2	30' 7" 3"	180	174	168	161	154	148	141	134	126	119	112	105
			SPSR	174	168	161	154	148	141	134	126	119	112	105	99
			BHP	10.0	11.0	12.1	13.2	14.3	15.5	16.7	18.0	20.0	21.5	23.2	25.0
3756	4"	3	30' 7" 3"	121	113	104	95	85	78	71	64	57			
			SPSR	116	108	99	89	80	73	65	57	50			
			BHP	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.0	22.0	25.0		
3771	2½"	2	30' 7" 3"	202	196	188	179	169	159	149	139	129	119	109	99
			SPSR	196	188	179	169	159	149	139	129	119	109	99	90
			BHP	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.0	22.0	25.0	27.5	30.0
3776	4"	3	30' 7" 3"	202	196	188	179	169	159	149	139	129	119	109	99
			SPSR	196	188	179	169	159	149	139	129	119	109	99	90
			BHP	12.0	13.0	14.0	15.0	16.0	17.0	18.0	20.0	22.0	25.0	27.5	30.0

Model No.		Hydrostatic Test Press. - PSI		Max. Water Oil at 62° - PSI	
		C.I.	Brz.	C.I.	Brz.
3521-3741	Case	500	600		
	2 1/2" Section 3" Discharge			400	500
3751-3791	Case	500	600		
	4" Section 2 1/2" Discharge			175	225
3756-3796	Case	500	600		
	4" Section 3" Discharge			175	225