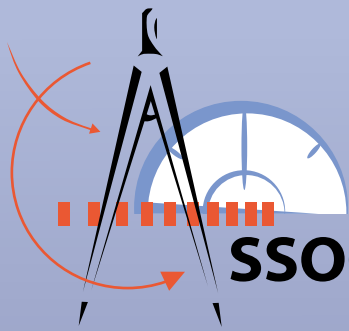




SSOCIATED PUMP ENGINEERS

QW SUBMERSIBLE SEWAGE PUMP



QW Submersible Sewage Pump

1、Application

Raw water

Municipal and industrial waste water

Rain water

Seawage works

General industrial services

Construction

2、Design

QW Submersible Sewage Pump are designed for economical and reliable pumping of sewage water from commercial communal and industrial sources.

They are suitable for clear and waste water containing solid and fibrous material.

Used in conjunction with the automatic coupling system the below ground level wet installation is a particularly economical solution which also does not damage the environment.

The pump are also suitable for quick portable applications.

a. Electric Motor standard be supplied as

380V, three phase, 50hz or 60hz , IP68, CLASS F.

Voltage up to 10000V on request

2-4-6-8 pole from 18kw to 355kw

Start up: DOL or star delta

b. Liquid temperature

Standard temperature: 40 degree

Maximum: 85 degree on request

3、Materials

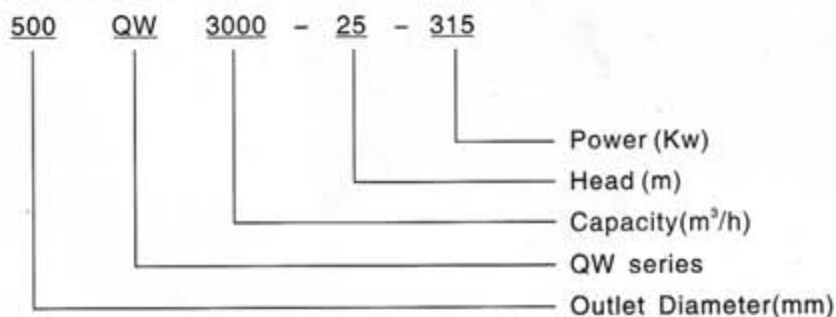
Casing——Cast iron FC 20

Shaft——Stainless steel SUS 304

Impeller——Cast iron FC 20

Fasteners——Stainless steel SUS 304

4、Model code



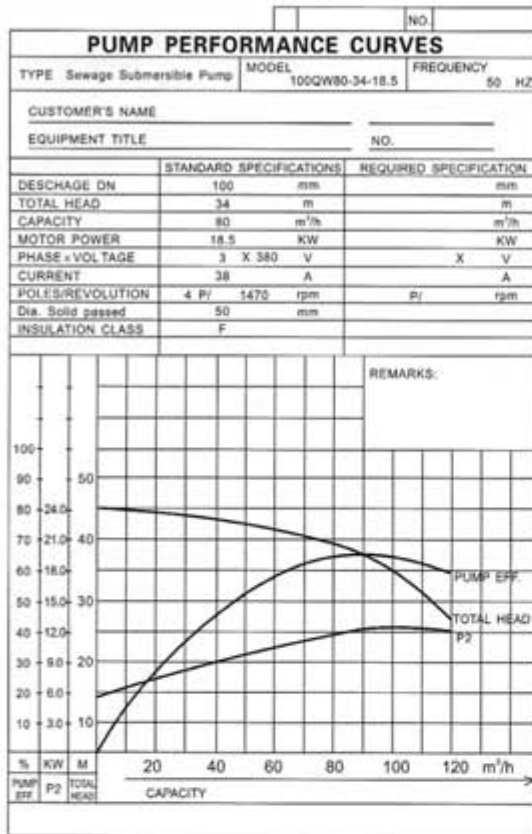
QW SERIES SUBMERSIBLE SEWAGE PUMP SPECIFICATION

Model	Capacity	Head	Efficiency	Power	Speed	Outlet	Solids Passed	Auto-coupling	NET Weight
	m ³ /h	m	%	kw	rpm	mm	mm		kg
100QW80-34-18.5	80	34	63.5	18.5	1470	100	50	100GAK	450
100QW80-38-22	80	38	63.5	22	1470	100	50	100GAK	500
100QW100-30-18.5	100	30	64.8	18.5	1470	100	50	100GAK	450
100QW100-35-22	100	35	64.8	22	1470	100	50	100GAK	500
150QW150-18-18.5	150	18	67	18.5	1470	150	70	150GAK	450
150QW150-22-22	150	22	67	22	1470	150	70	150GAK	500
150QW150-30-30	150	30	67	30	1470	150	70	150GAK	800
150QW150-35-37	150	35	67	37	1470	150	70	150GAK	800
150QW250-15-18.5	250	15	67	18.5	1470	150	70	150GAK	450
150QW250-17-22	250	17	70	22	1470	150	70	150GAK	500
150QW250-22-30	250	22	70	30	980	150	70	150GAK	800
150QW250-26-37	250	26	70	37	1470	150	70	150GAK	800
150QW250-30-45	250	30	70	45	1470	150	70	150GAK	800
200QW250-40-55	250	40	70	55	1470	200	70	200GAK	1200
150QW300-11-18.5	300	11	70.5	18.5	1470	150	70	150GAK	450
150QW300-13-22	300	13	70.5	22	1470	150	70	150GAK	500
150QW300-18-30	300	18	70.5	30	980	150	70	150GAK	800
150QW300-22-37	300	22	70.5	37	1470	150	70	150GAK	800
150QW300-27-45	300	27	70.5	45	1470	150	70	150GAK	800
200QW300-36-55	300	36	70.5	55	1470	200	70	200GAK	1200
200QW400-10-22	400	10	72	22	1470	200	100	200GAK	500
250QW400-13-30	400	13	72	30	980	250	100	250GAK	800
150QW400-16-37	400	16	70.5	37	1470	150	70	150GAK	800
150QW400-20-45	400	20	72	45	1470	150	70	150GAK	800
200QW400-26-55	400	26	72	55	1470	200	70	200GAK	1200
300QW400-30-75	400	30	63.5	75	1470	300	125	300GAK	1550
300QW400-40-90	400	40	63.5	90	1470	300	70	300GAK	1600
300QW500-75-200	500	75	70	200	1470	300	60	300GAK	3950
250QW600-9-30	600	9	74	30	980	250	100	250GAK	800
250QW600-12-37	600	12	74	37	1470	250	100	250GAK	800
250QW600-15-45	600	15	74	45	1470	250	100	250GAK	800
300QW600-20-55	600	20	74	55	980	300	100	300GAK	1500
300QW600-24-75	600	24	74	75	1470	300	125	300GAK	1550

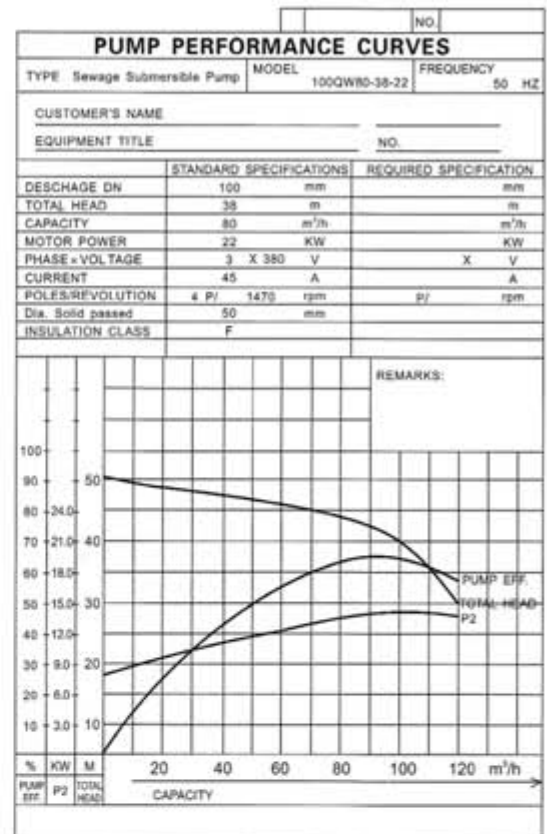
Model	Capacity	Head	Efficiency	Power	Speed	Outlet	Solids Passed	Auto-coupling	NET Weight
	m ³ /h	m	%	kw	rpm	mm	mm		kg
300QW600-30-90	600	30	70	90	1470	300	70	300GAK	1600
300QW600-75-220	600	75	72	220	1470	300	60	300GAK	4200
300QW600-80-250	600	80	72	250	1470	300	60	300GAK	4250
300QW600-100-315	600	100	70	315	1470	300	60	300GAK	6500
250QW650-37-110	650	37	74.5	110	1470	250	100	250GAK	2100
250QW650-45-132	650	45	74.5	132	1470	250	100	250GAK	2100
250QW650-50-160	650	50	74.3	160	1470	250	100	250GAK	2100
300QW650-100-355	650	100	70	355	1470	300	60	300GAK	6300
300QW700-60-200	700	60	74	200	1470	300	60	300GAK	3950
300QW700-80-280	700	80	72	280	1470	300	60	300GAK	5200
250QW800-7-30	800	7	75	30	980	250	100	250GAK	800
250QW800-10-37	800	10	75	37	1470	250	100	250GAK	800
250QW800-12-45	800	12	75	45	1470	250	100	250GAK	800
300QW800-16-55	800	16	76	55	980	300	100	300GAK	1500
300QW800-20-75	800	20	75	75	1470	300	125	300GAK	1550
300QW800-24-90	800	24	75	90	1470	300	125	300GAK	1600
250QW800-30-110	800	30	75	110	1470	250	100	250GAK	2100
250QW800-38-132	800	38	75	132	1470	250	100	250GAK	2100
250QW800-45-160	800	45	75	160	1470	250	100	250GAK	2100
300QW800-60-220	800	60	74	220	1470	300	60	300GAK	4200
300QW800-65-250	800	65	74	250	1470	300	60	300GAK	4250
300QW800-80-315	800	80	75	315	1470	300	60	300GAK	6500
300QW900-80-355	900	80	75	355	1470	300	60	300GAK	6300
300QW1000-9.5-45	1000	9.5	76	45	980	300	150	300GAK	1200
300QW1000-13-55	1000	13	76	55	980	300	100	300GAK	1500
300QW1000-16-75	1000	16	76	75	1470	300	125	300GAK	1550
300QW1000-20-90	1000	20	76	90	1470	300	125	300GAK	1600
300QW1000-22-110	1000	22	76	110	1470	250	100	300GAK	2100
250QW1000-30-132	1000	30	76	132	1470	250	100	250GAK	2100
250QW1000-35-160	1000	35	76	160	1470	250	100	250GAK	2100
400QW1000-40-185	1000	40	80	185	1470	400	125	400GAK	3900
300QW1000-44-200	1000	44	80	200	1470	300	125	300GAK	3950
300QW1000-46-220	1000	46	76	220	1470	300	125	300GAK	4200

Model	Capacity	Head	Efficiency	Power	Speed	Outlet	Solids Passed	Auto-coupling	NET Weight
	m ³ /h	m	%	kw	rpm	mm	mm		kg
300QW1000-52-250	1000	52	76	250	1470	300	125	300GAK	4250
400QW1000-65-280	1000	65	80	280	1470	400	125	400GAK	5200
400QW1300-10-55	1300	10	77.5	55	740	400	125	400GAK	2300
400QW1300-12-75	1300	12	77.5	75	740	400	125	400GAK	2300
400QW1300-16-90	1300	16	77.5	90	980	400	125	400GAK	2300
400QW1300-20-110	1300	20	77.5	110	980	400	125	400GAK	2300
400QW1300-24-132	1300	24	77.5	132	980	400	125	400GAK	2300
400QW1300-26-160	1300	26	77.5	160	980	400	125	400GAK	3550
400QW1300-30-185	1300	30	77	185	980	400	125	400GAK	3900
400QW1300-32-200	1300	32	77	200	980	400	125	300GAK	3950
400QW1300-35-220	1300	35	77	220	980	400	125	400GAK	4200
400QW1300-40-250	1300	40	77	250	980	400	125	400GAK	4250
400QW1300-50-280	1300	50	81	280	980	400	125	400GAK	5200
400QW1300-65-315	1300	65	81	315	1470	400	125	400GAK	6300
400QW1400-65-355	1400	65	81	355	980	400	125	400GAK	6500
400QW1600-8-55	1600	8	78	55	740	400	125	400GAK	2300
400QW1600-10-75	1600	10	78	75	740	400	125	400GAK	2300
400QW1600-12-90	1600	12	78	90	980	400	125	400GAK	2300
400QW1600-16-110	1600	16	78	110	980	400	125	400GAK	2300
400QW1600-20-132	1600	20	78	132	980	400	125	400GAK	2300
400QW1600-22-160	1600	22	77.5	160	980	400	125	400GAK	3550
400QW1600-25-185	1600	25	79	185	980	400	125	400GAK	3900
400QW1600-27-200	1600	27	79	200	980	400	125	400GAK	3950
400QW1600-30-220	1600	30	79	220	980	400	125	400GAK	4200
400QW1600-35-250	1600	35	79	250	980	400	125	400GAK	4250
400QW1600-50-315	1600	50	80	315	980	400	125	400GAK	6500
500QW1700-40-280	1700	40	81	280	980	500	125	500GAK	5200
400QW1700-50-355	1700	50	80	355	980	400	125	400GAK	6500
500QW1800-44-315	1800	44	80	315	980	500	125	500GAK	6300
400QW2000-8-75	2000	8	79	75	740	400	125	400GAK	2300
400QW2000-10-90	2000	10	79	90	980	400	125	400GAK	2300
400QW2000-13.5-110	2000	13.5	79	110	980	400	125	400GAK	2300
400QW2000-16-132	2000	16	79	132	980	400	125	400GAK	2300

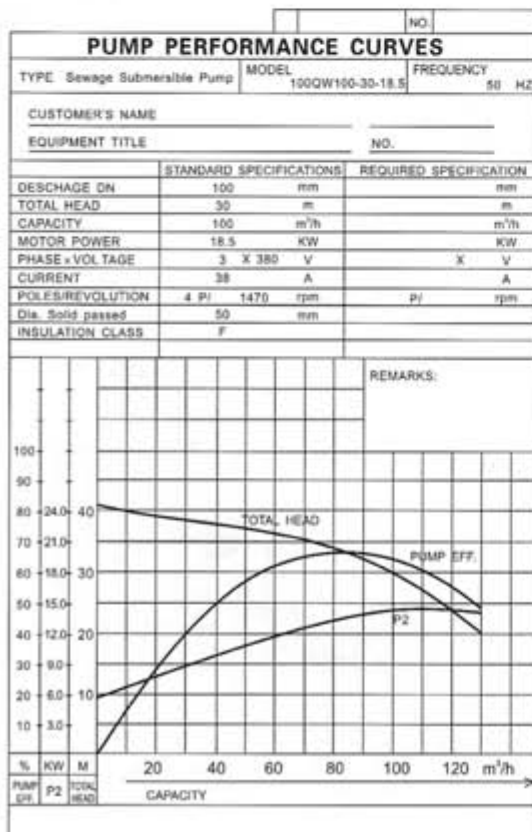
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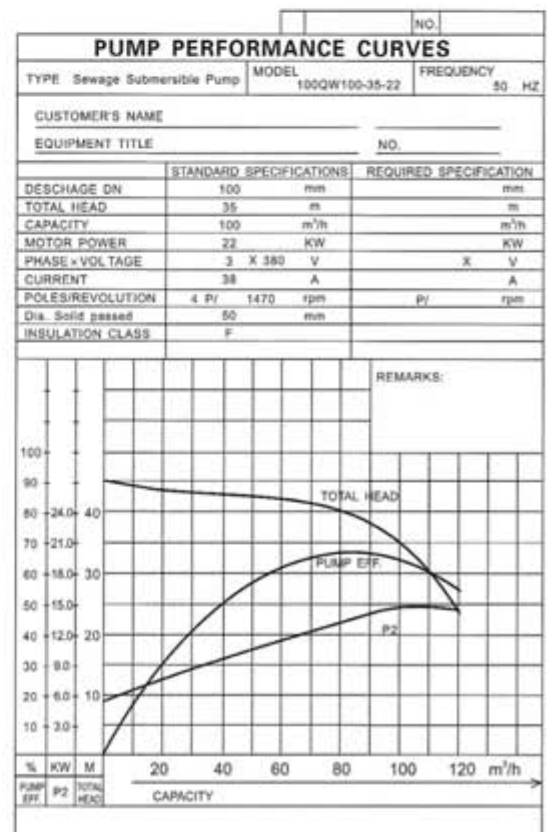
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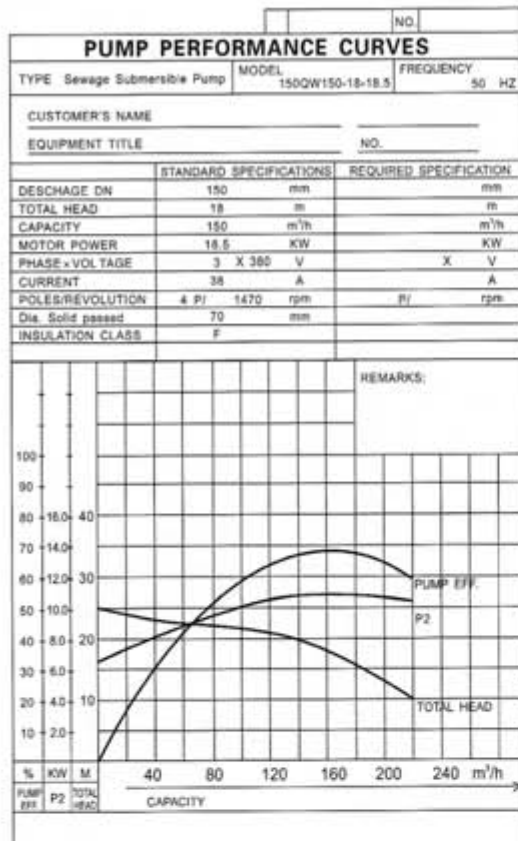
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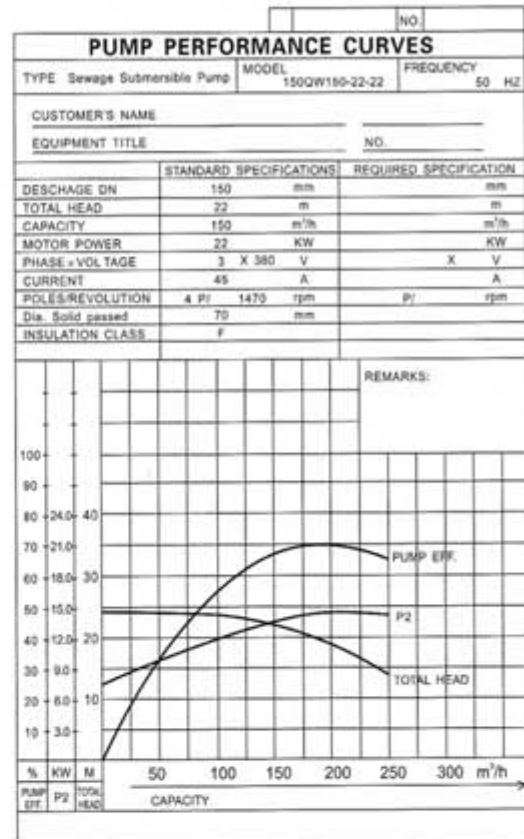
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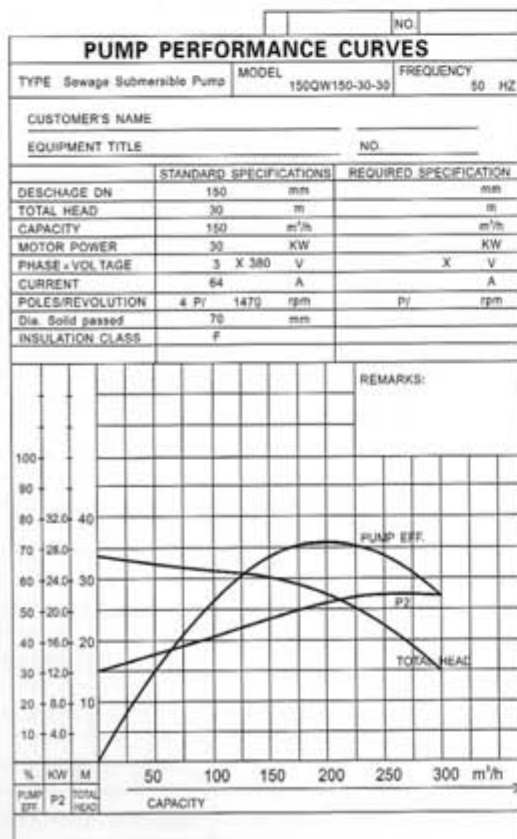
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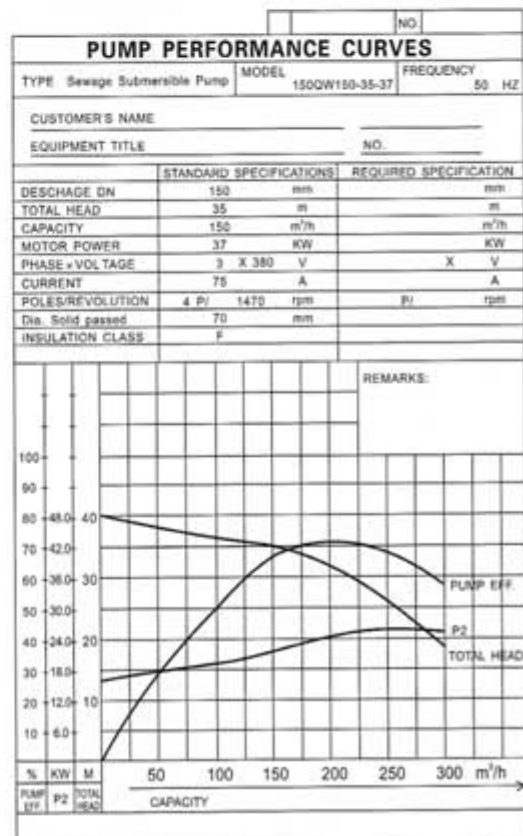
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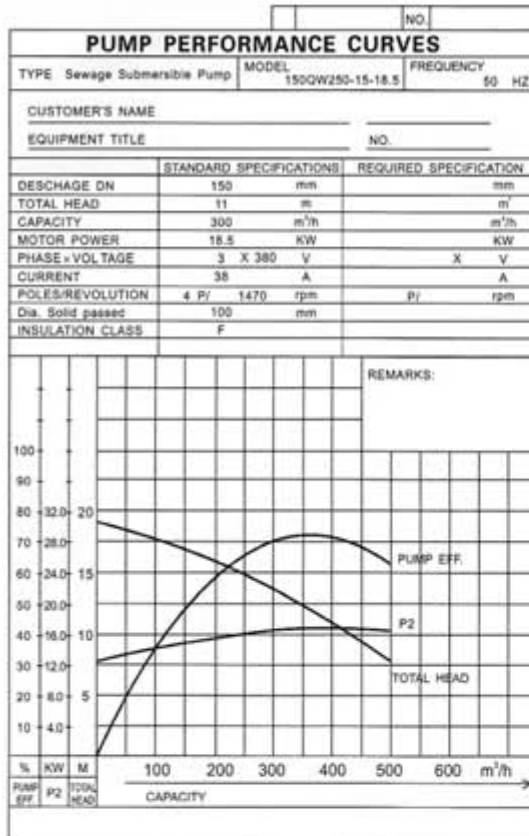
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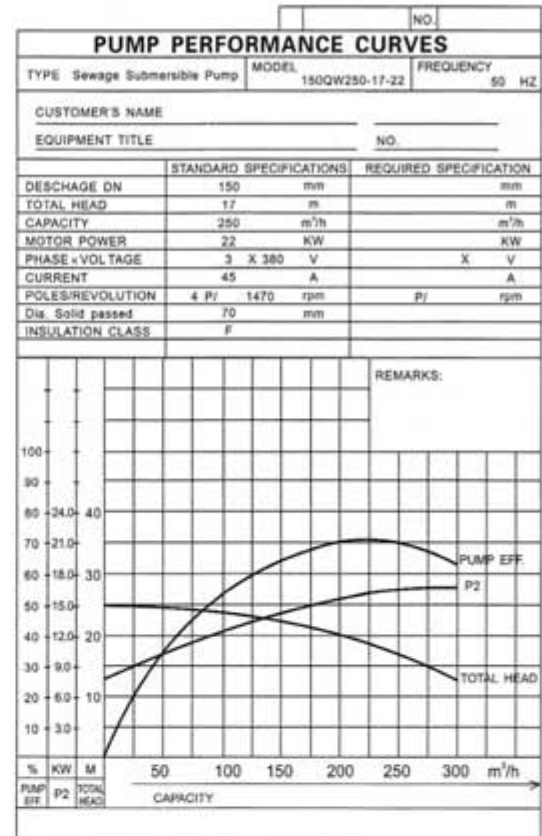
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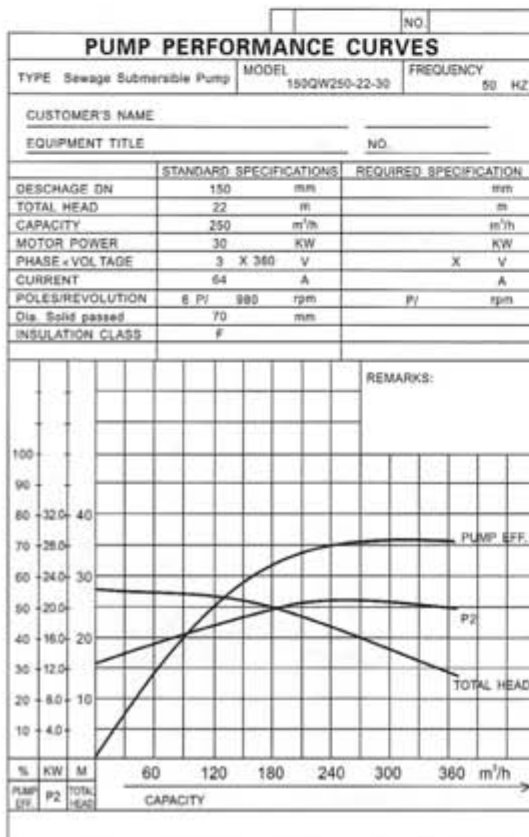
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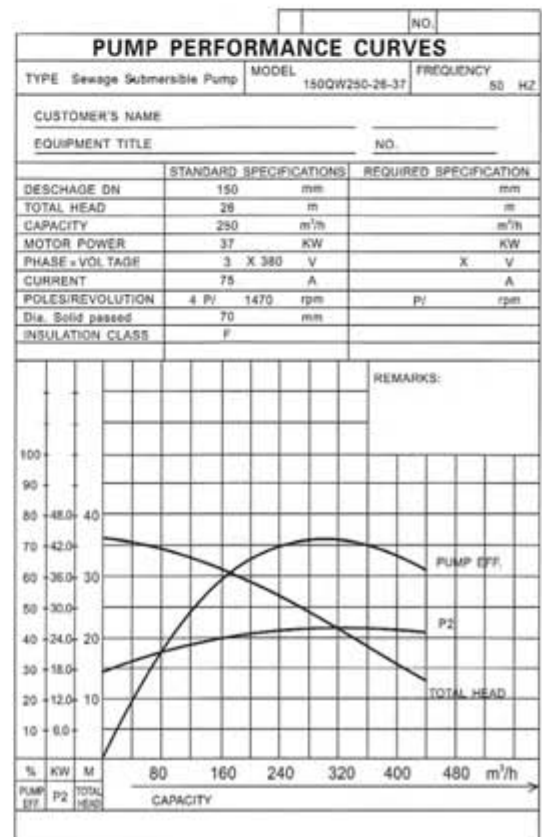
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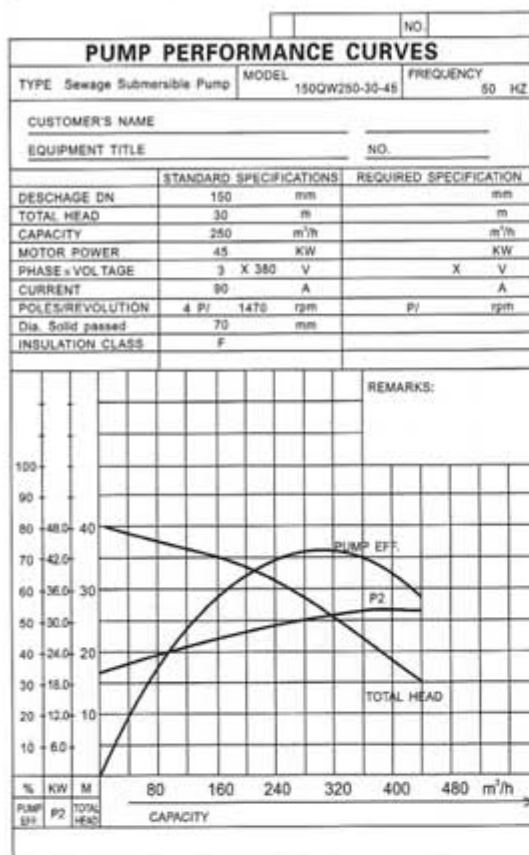
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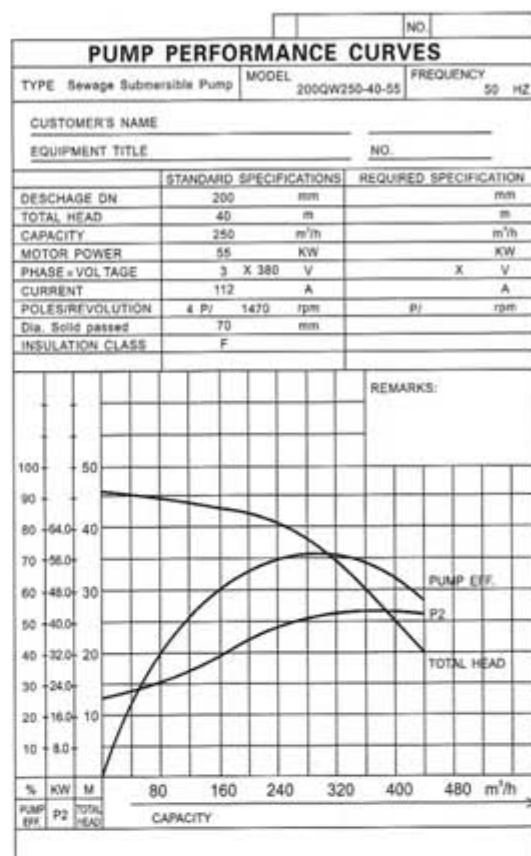
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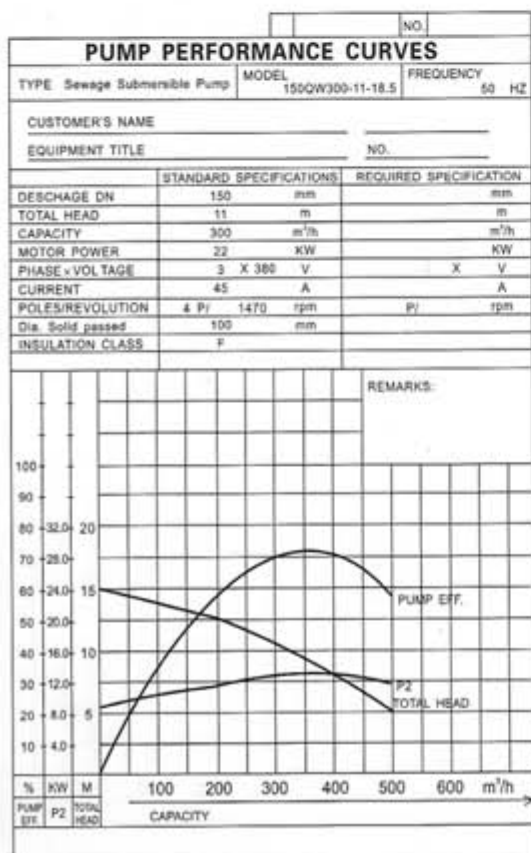
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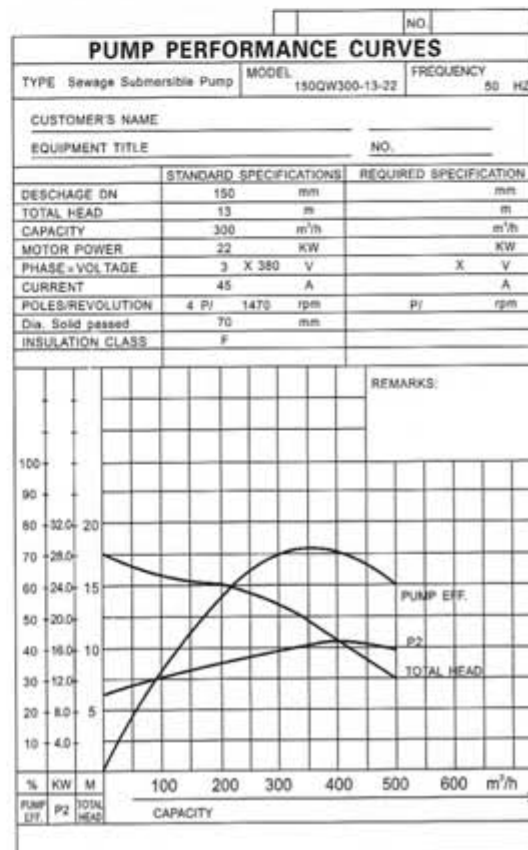
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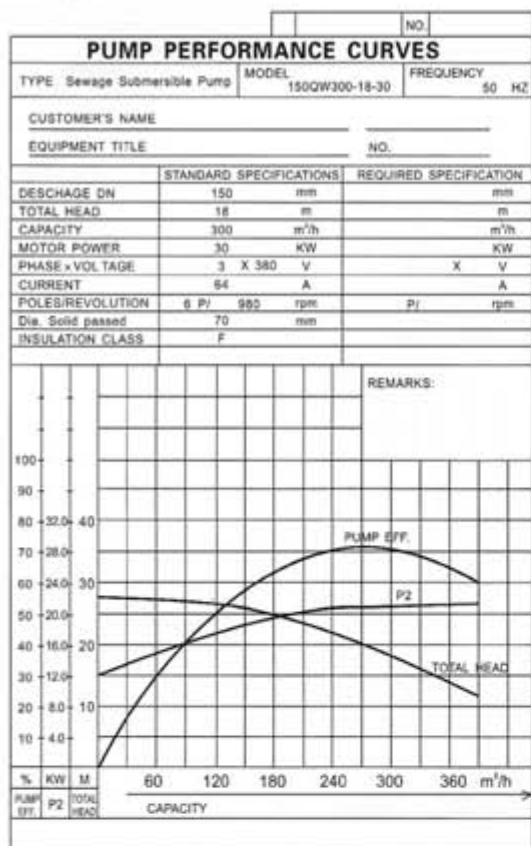
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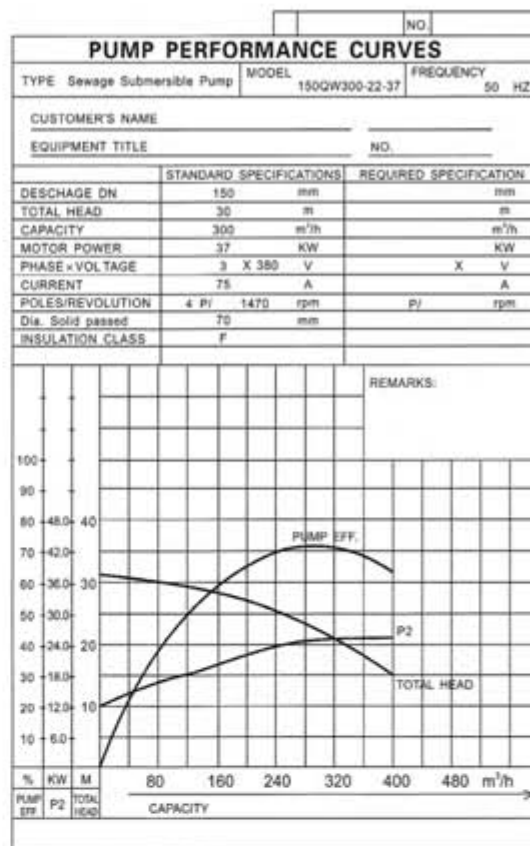
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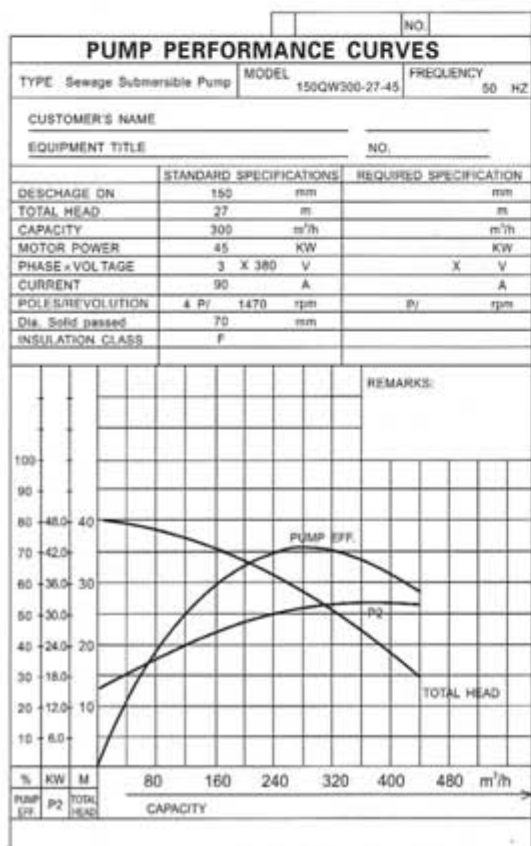
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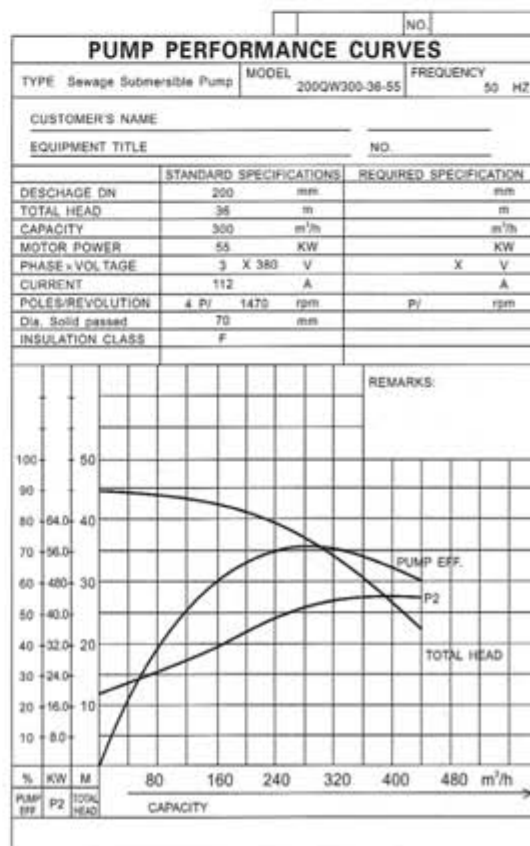
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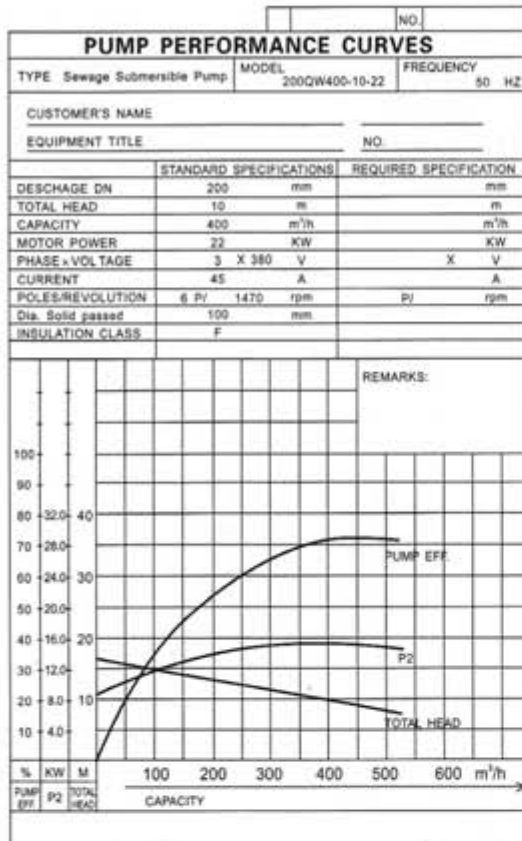
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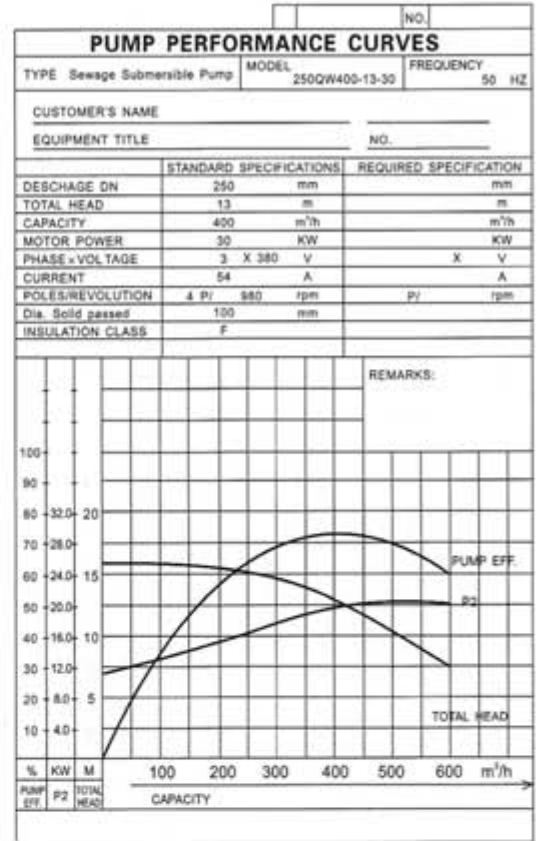
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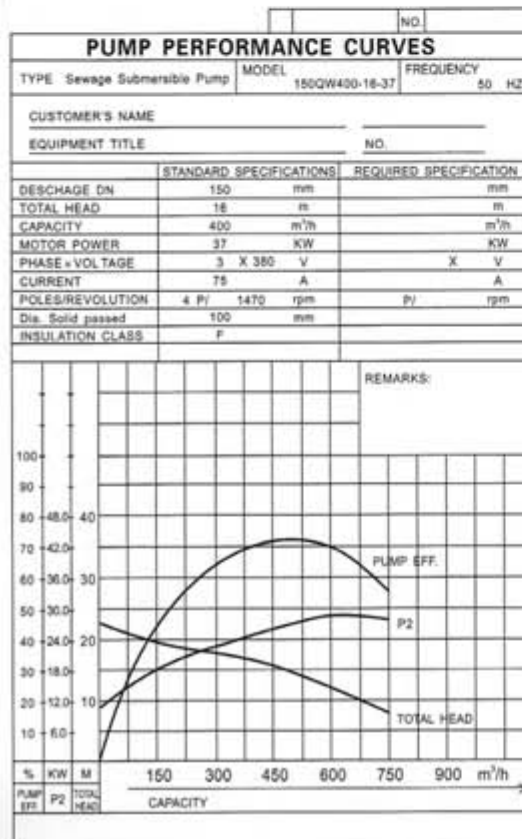
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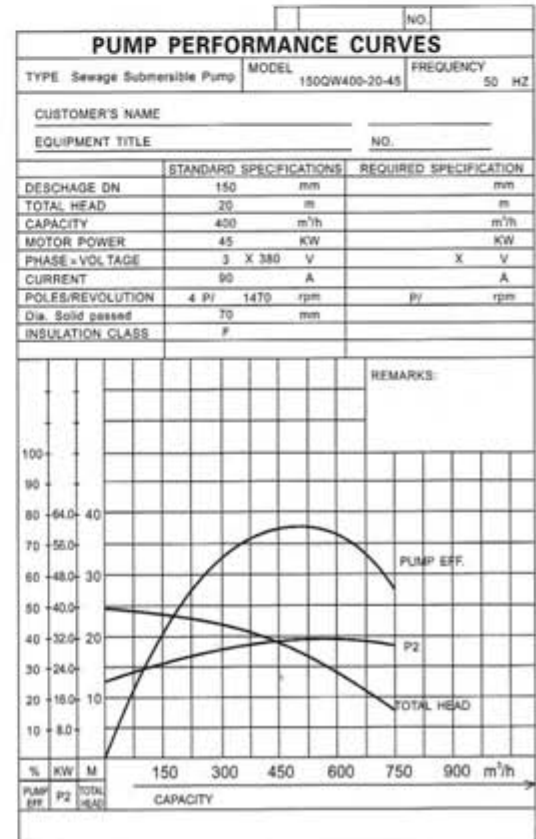
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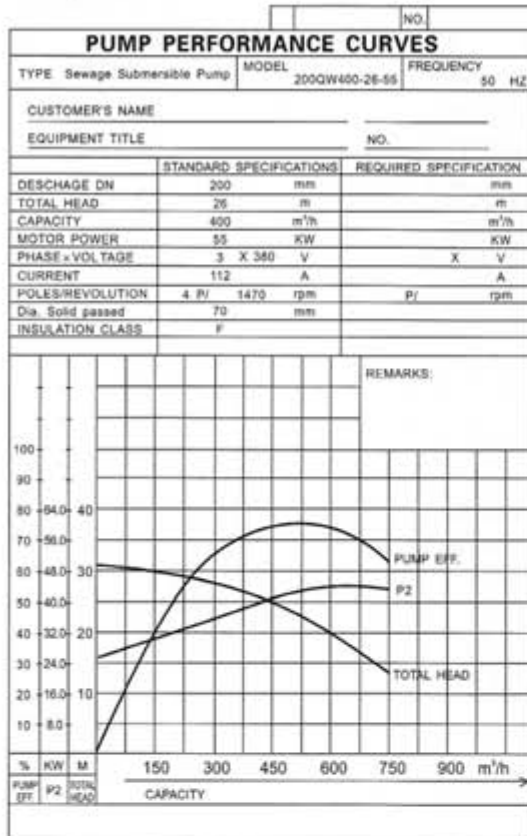
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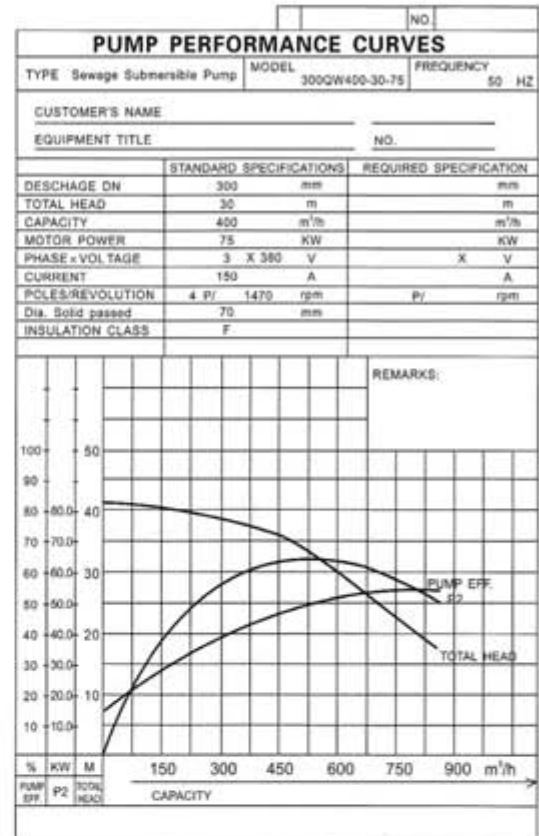
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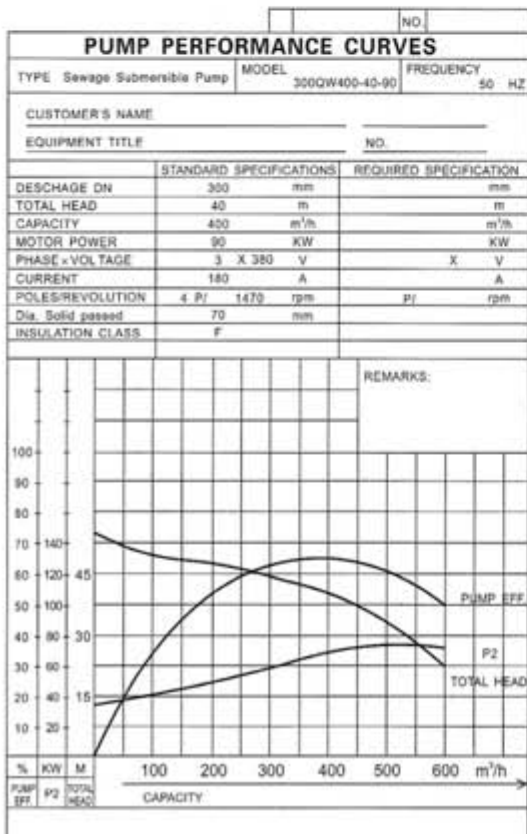
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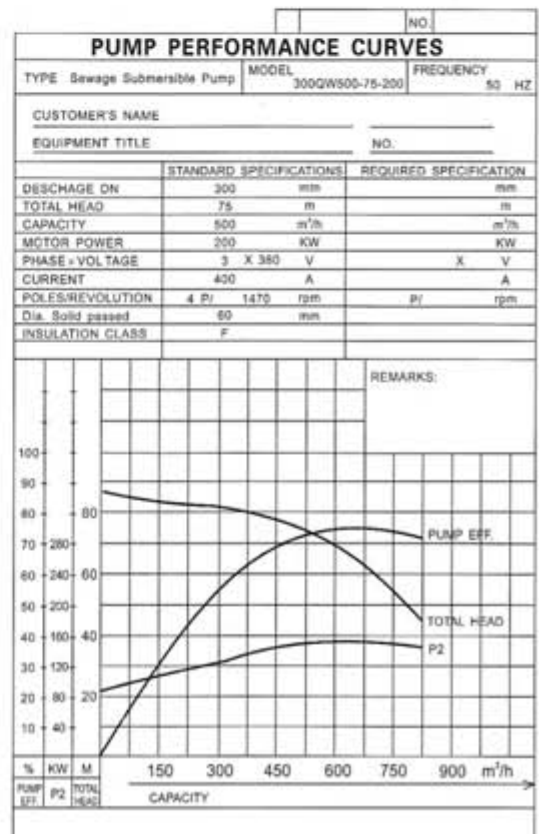
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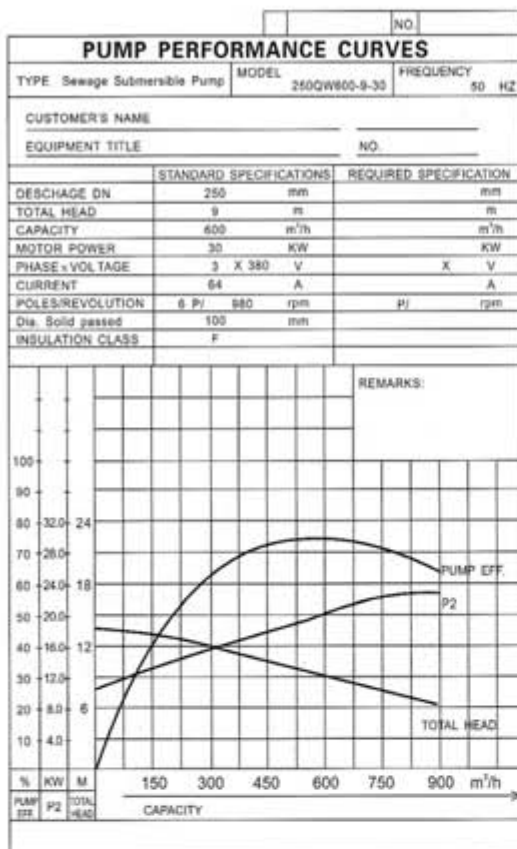
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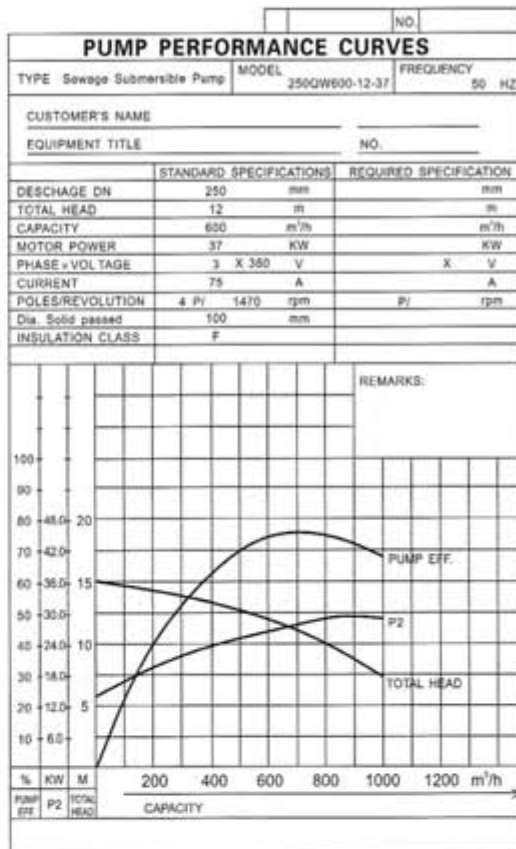
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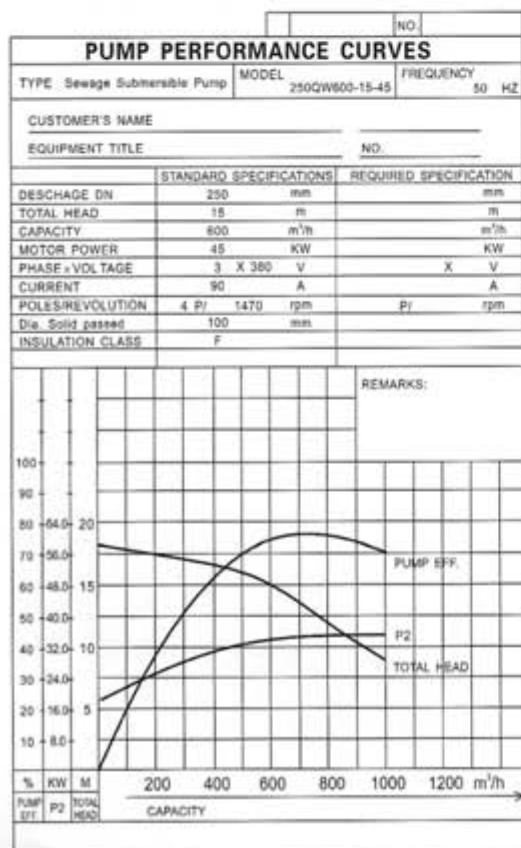
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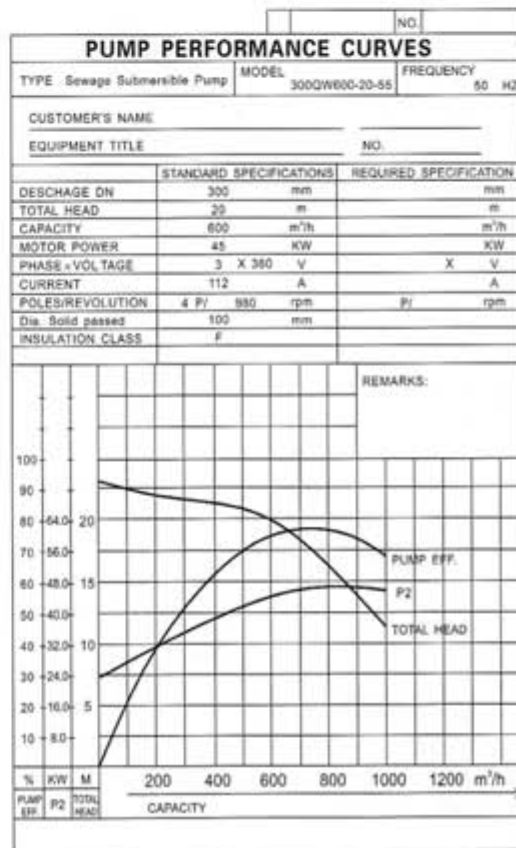
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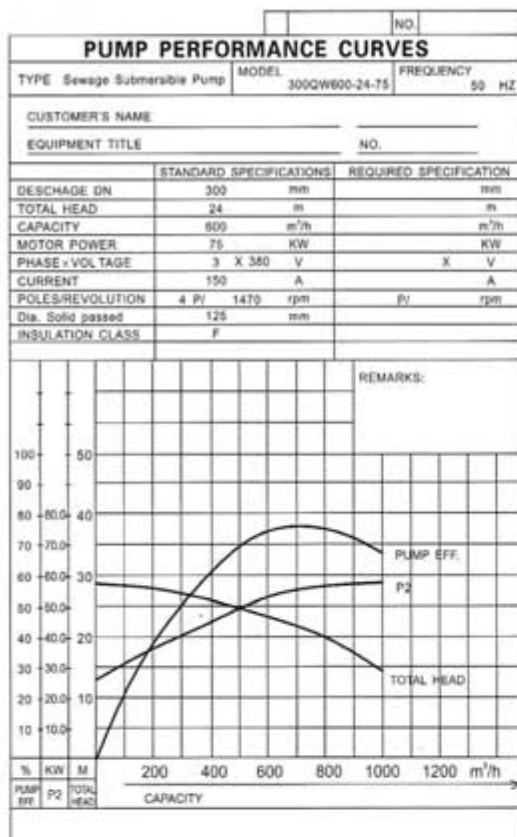
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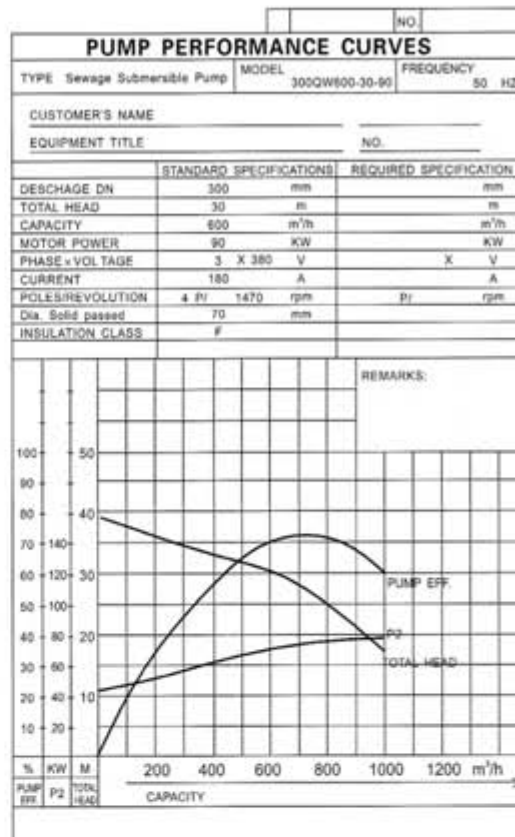
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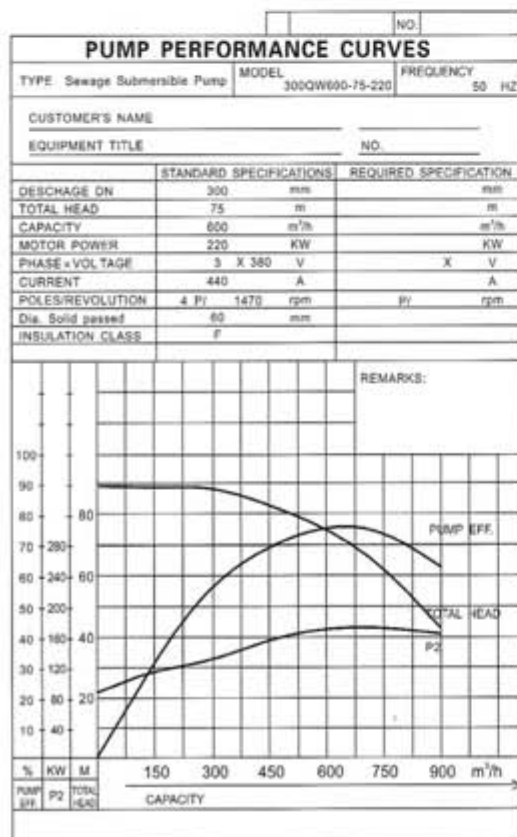
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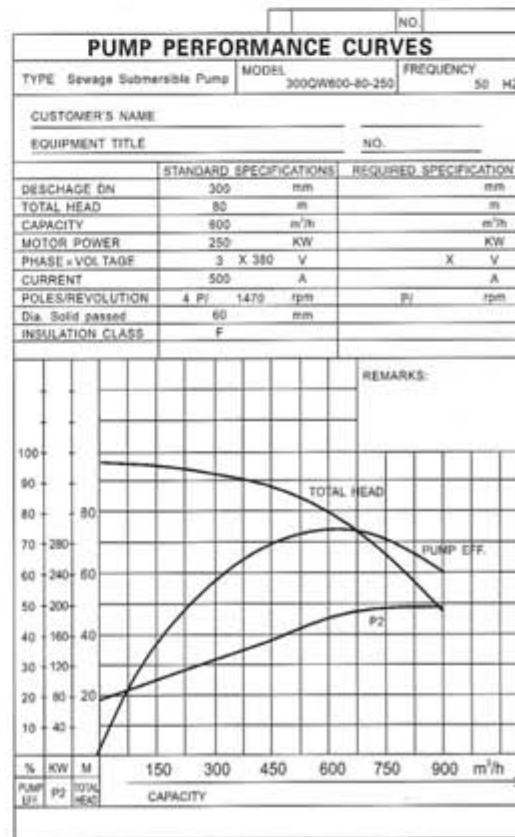
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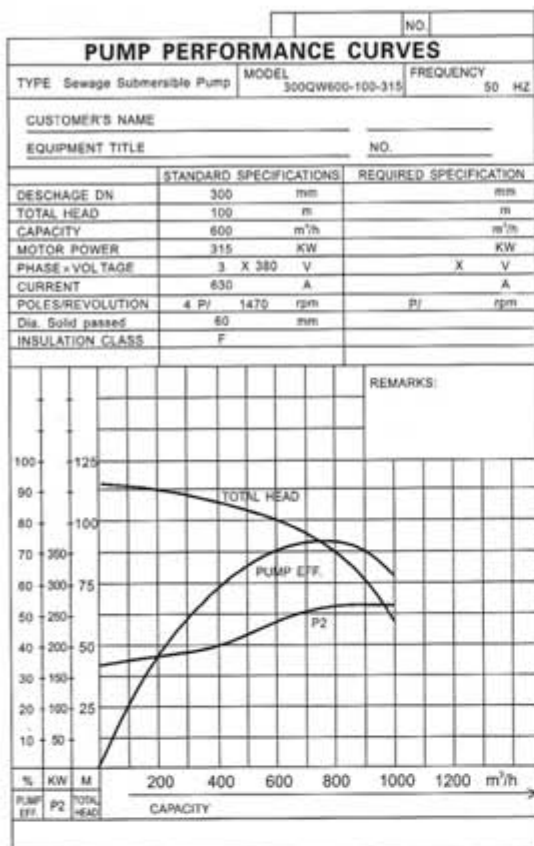
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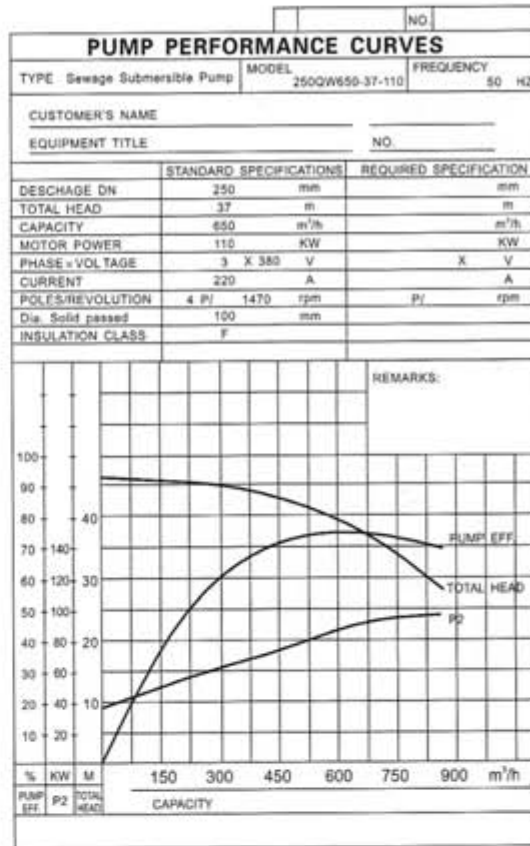
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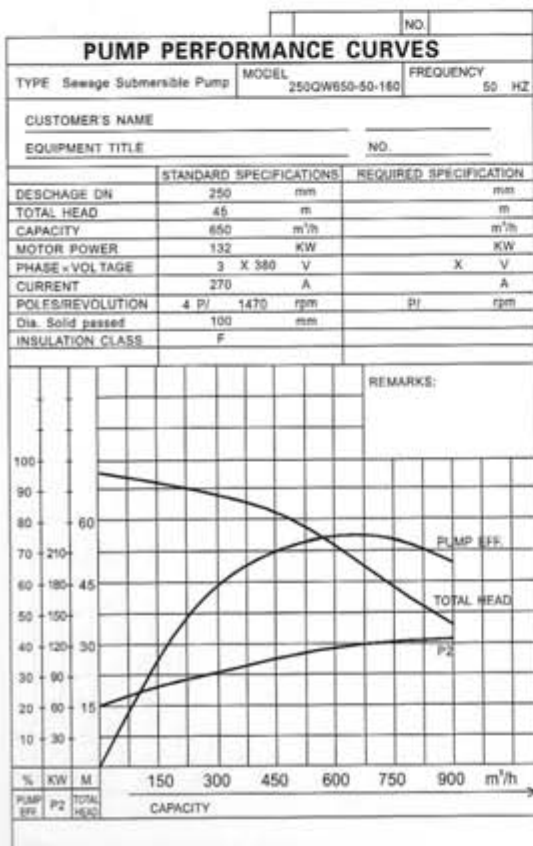
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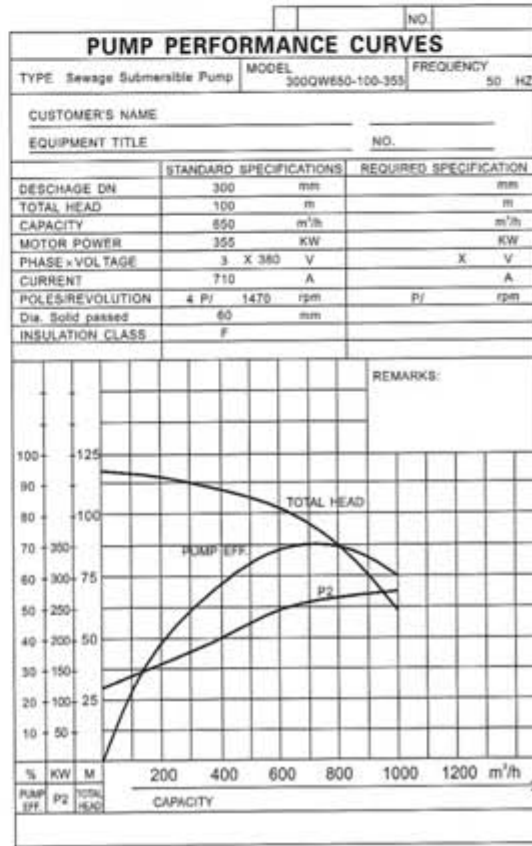
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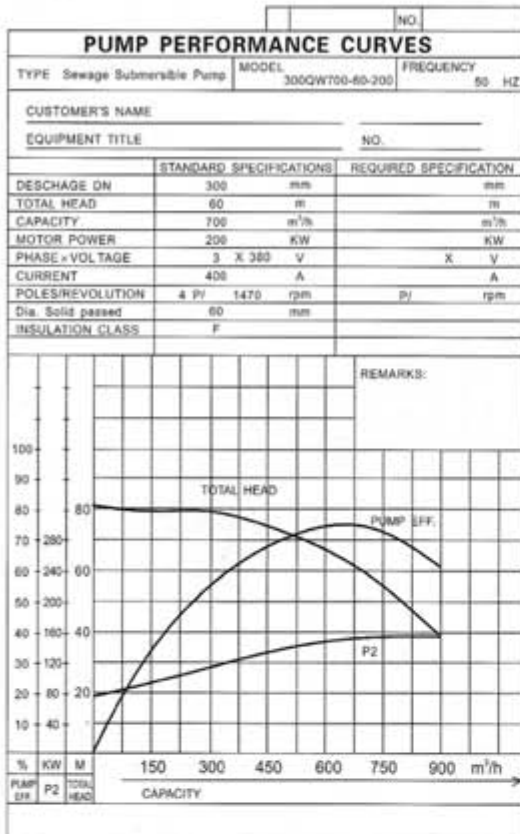
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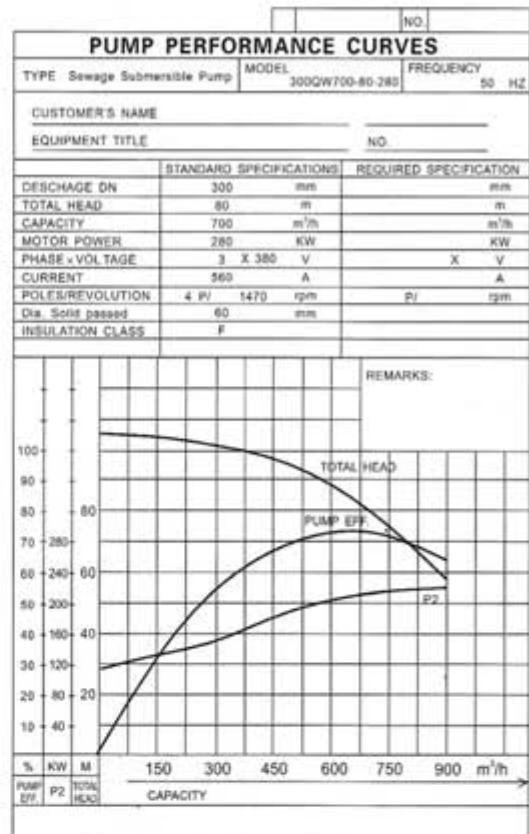
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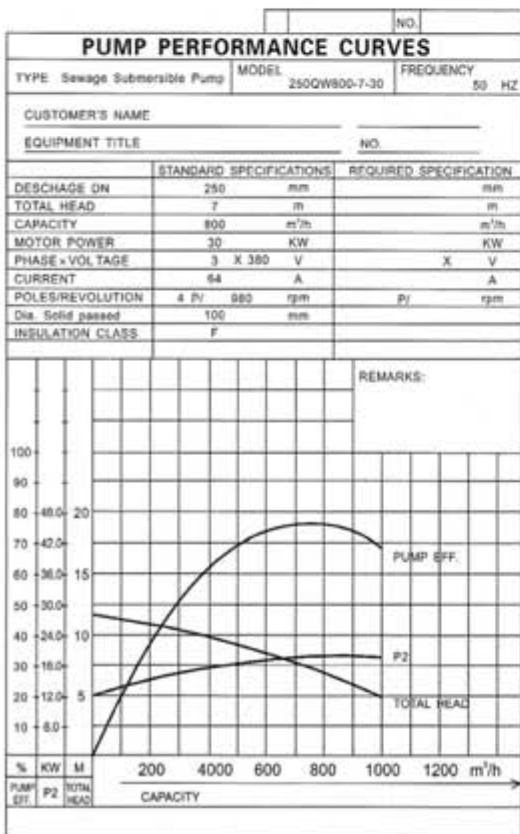
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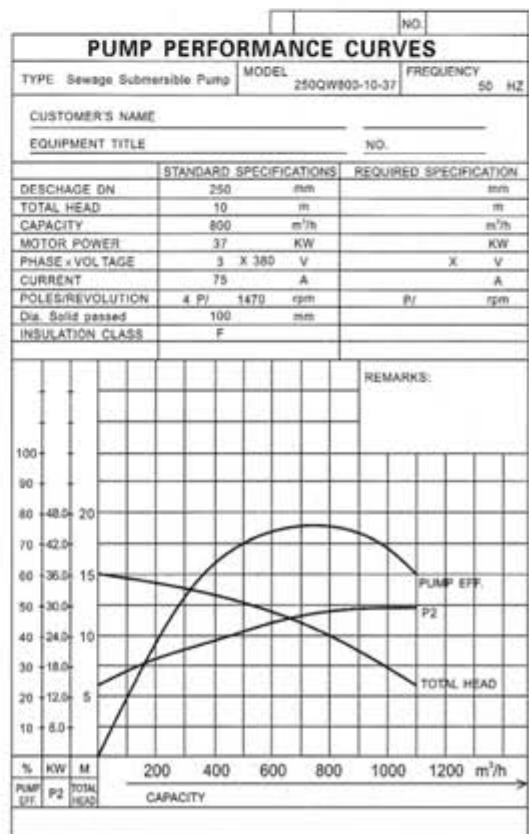
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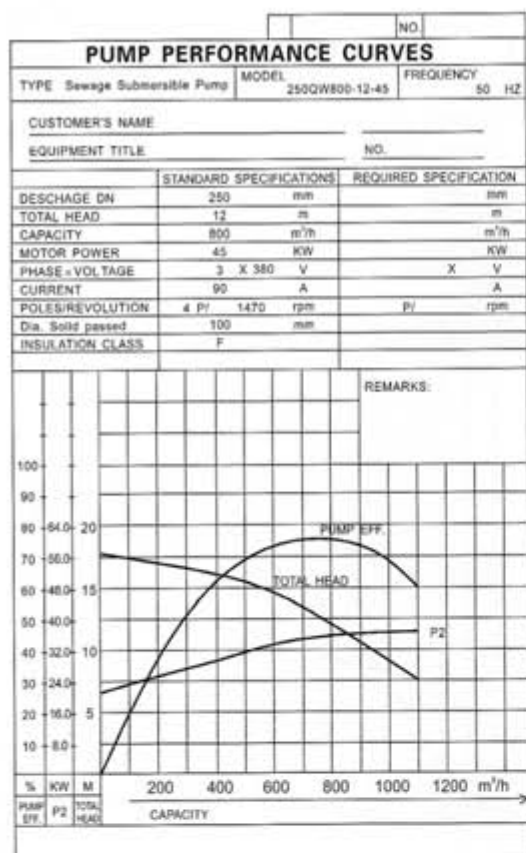
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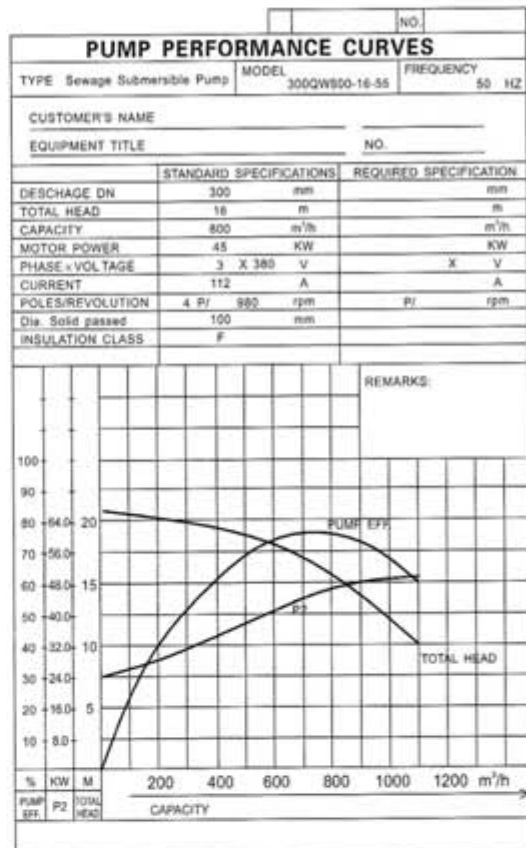
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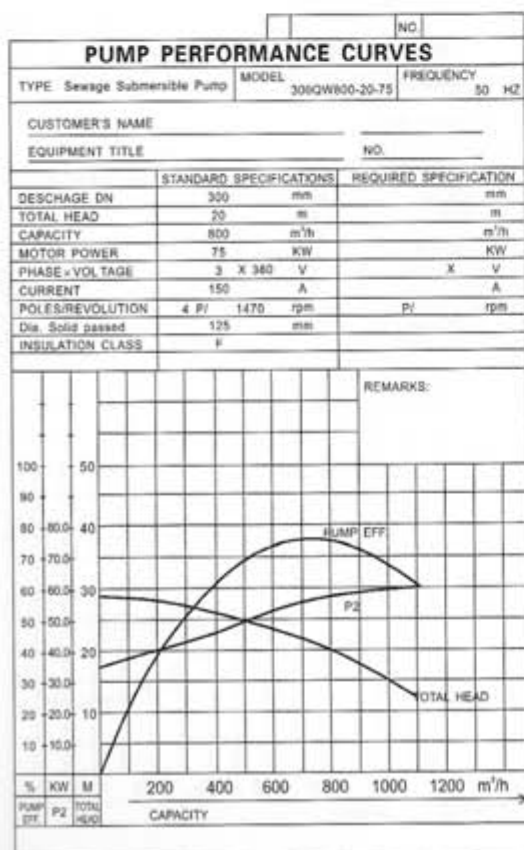
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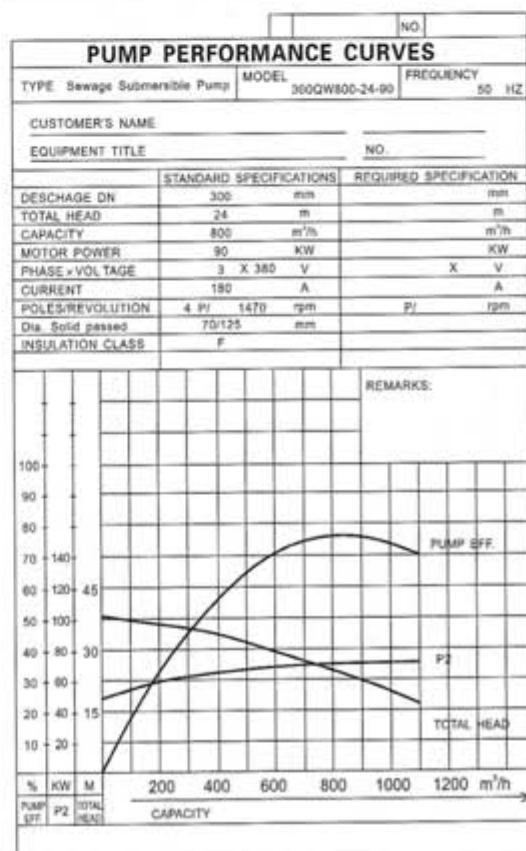
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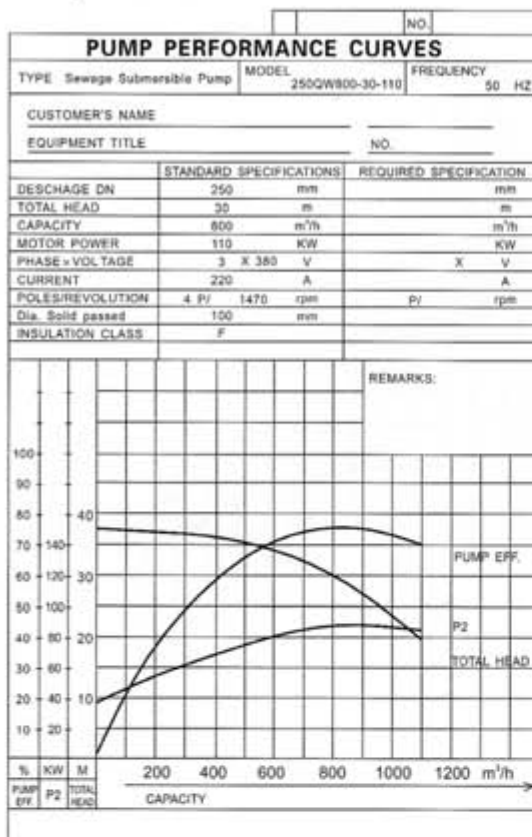
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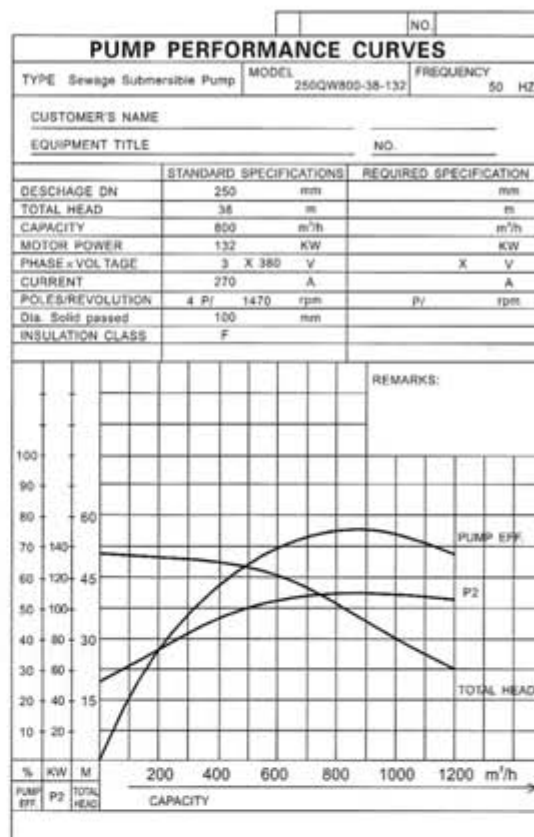
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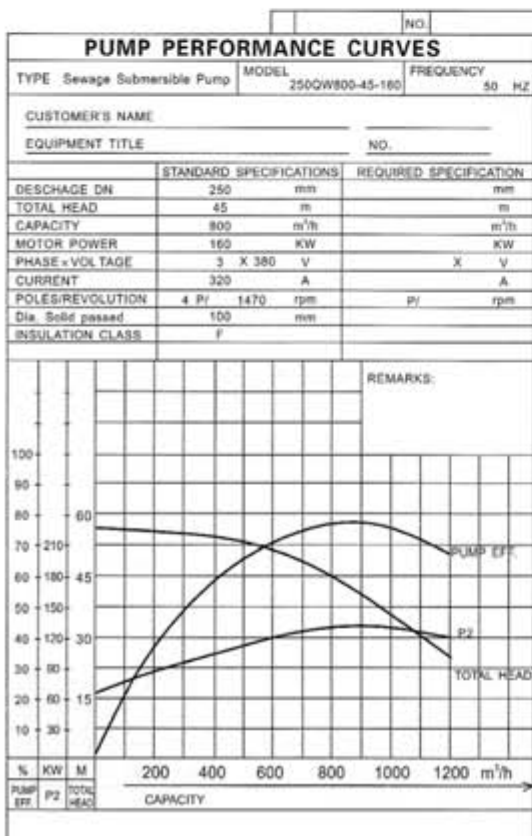
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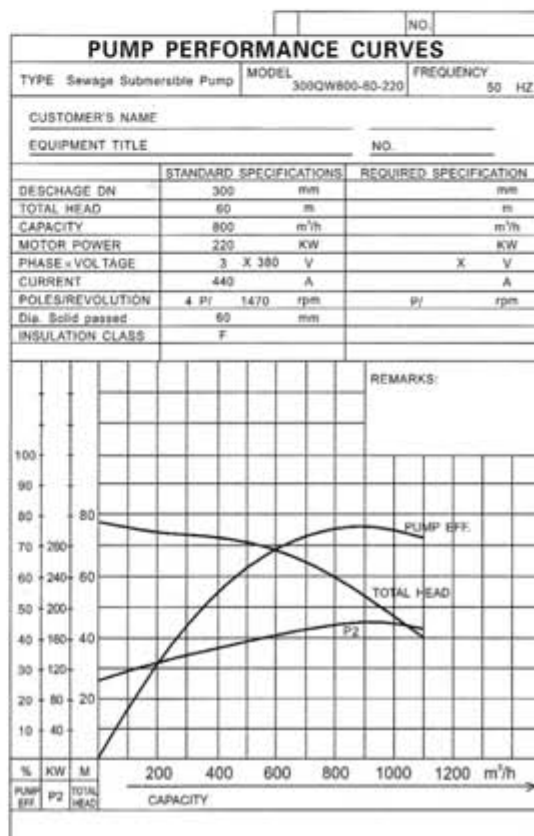
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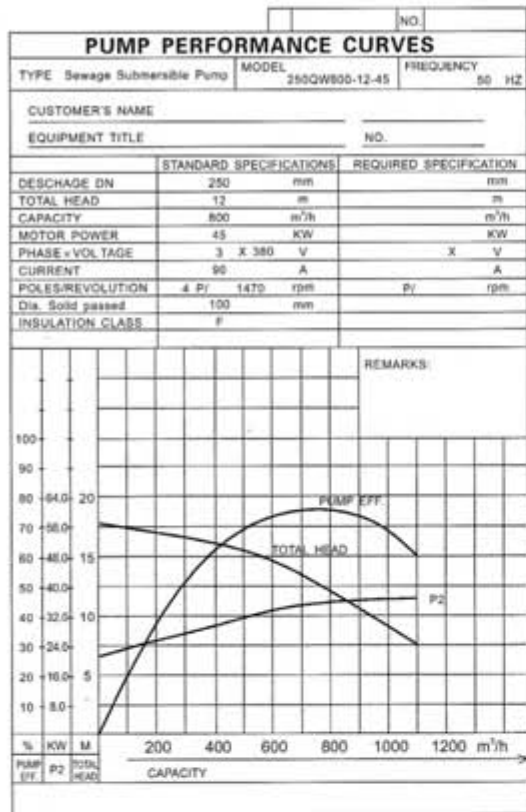
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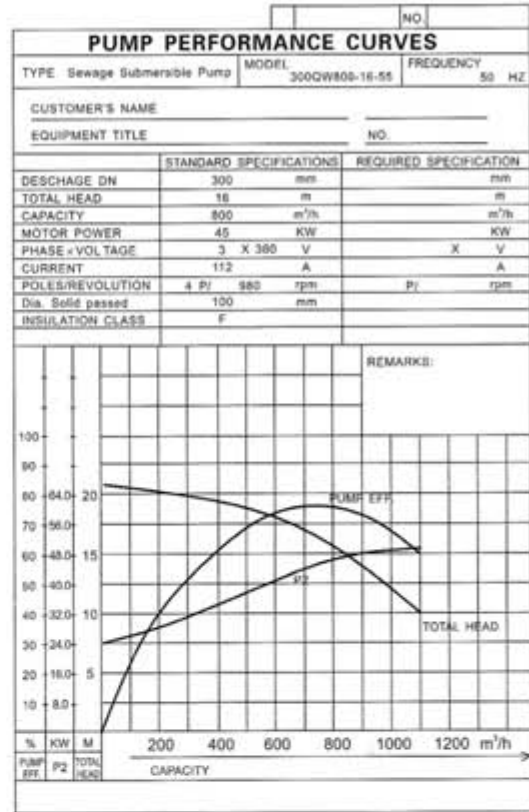
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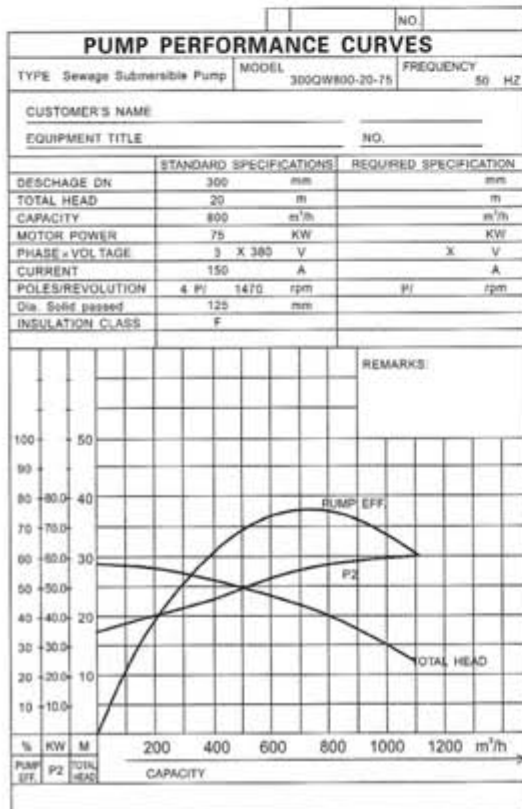
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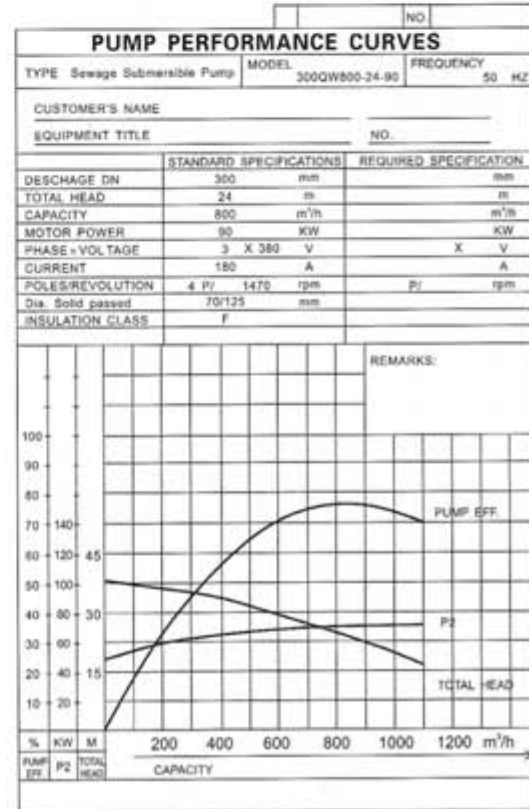
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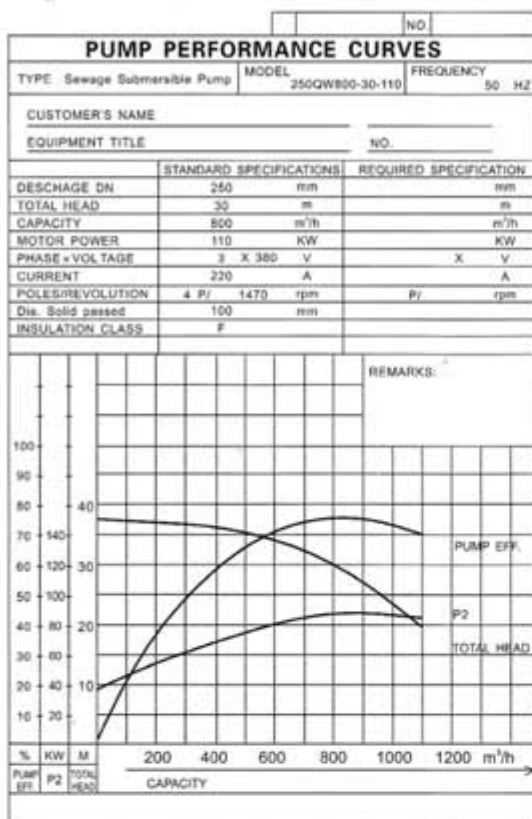
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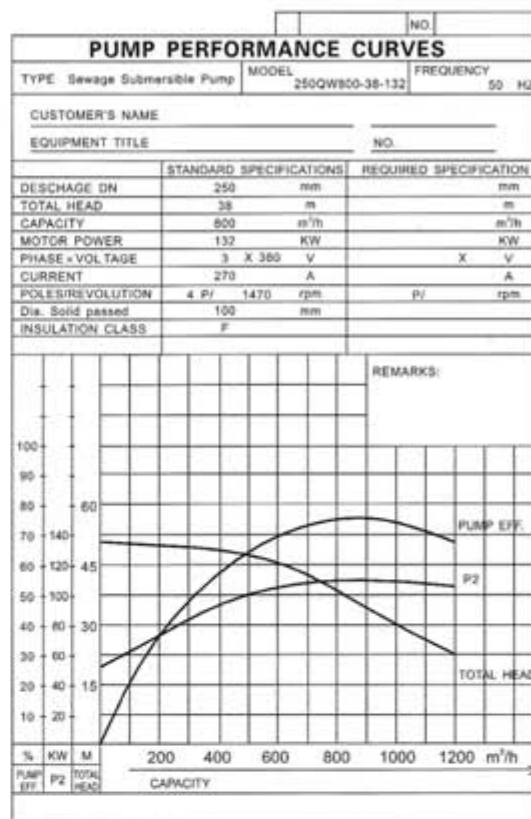
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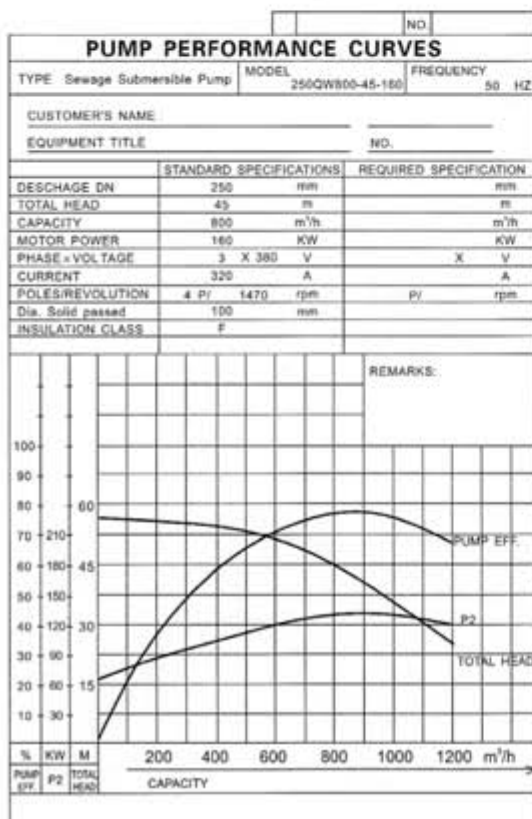
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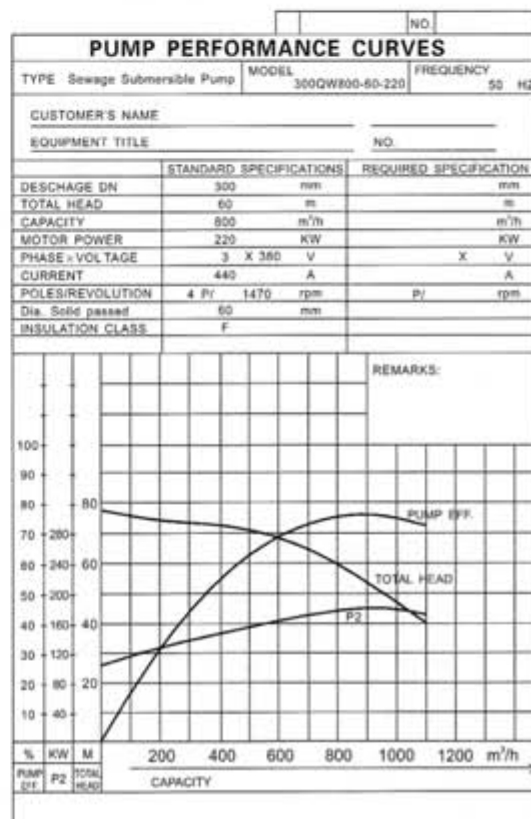
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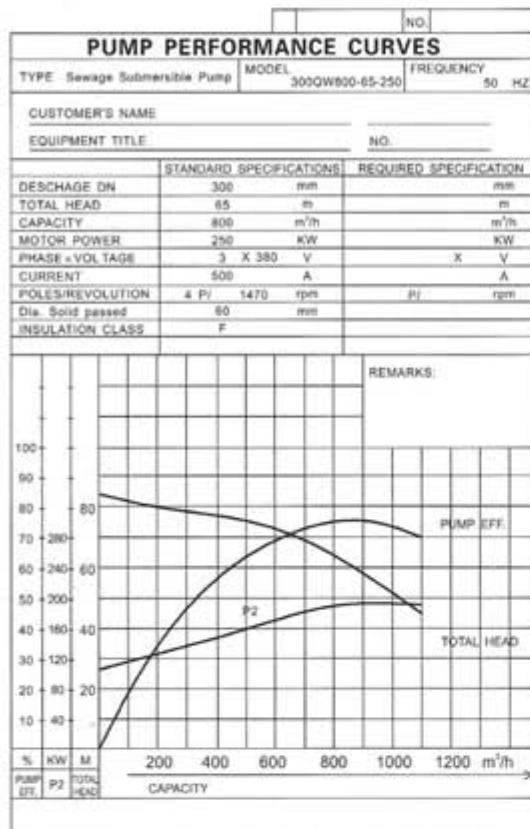
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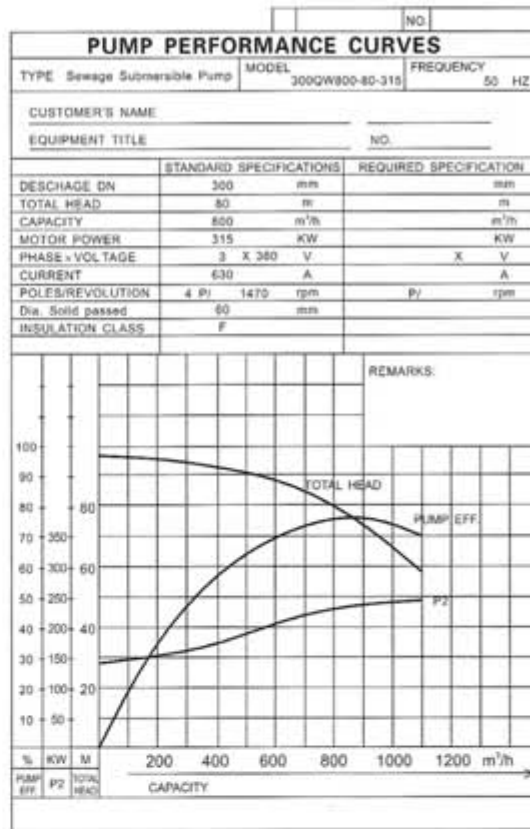
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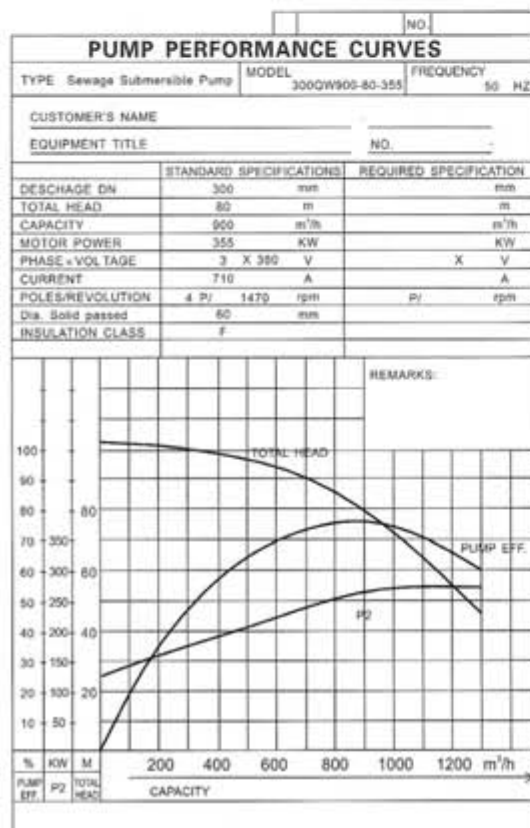
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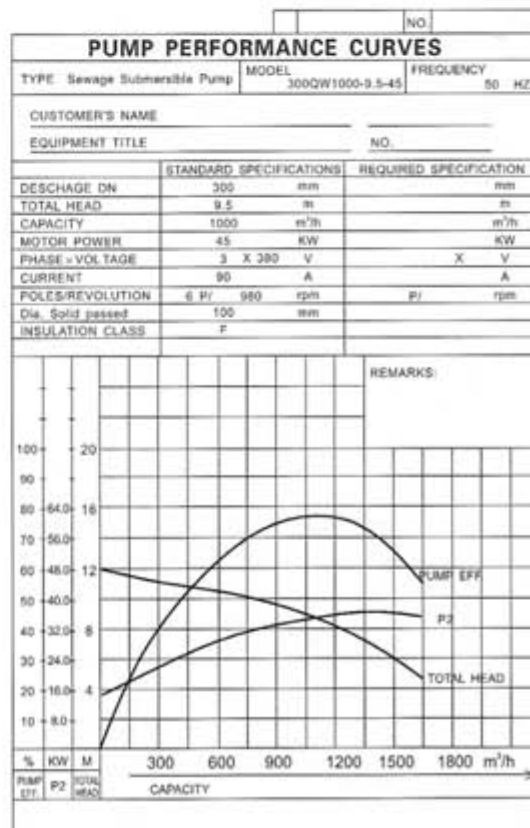
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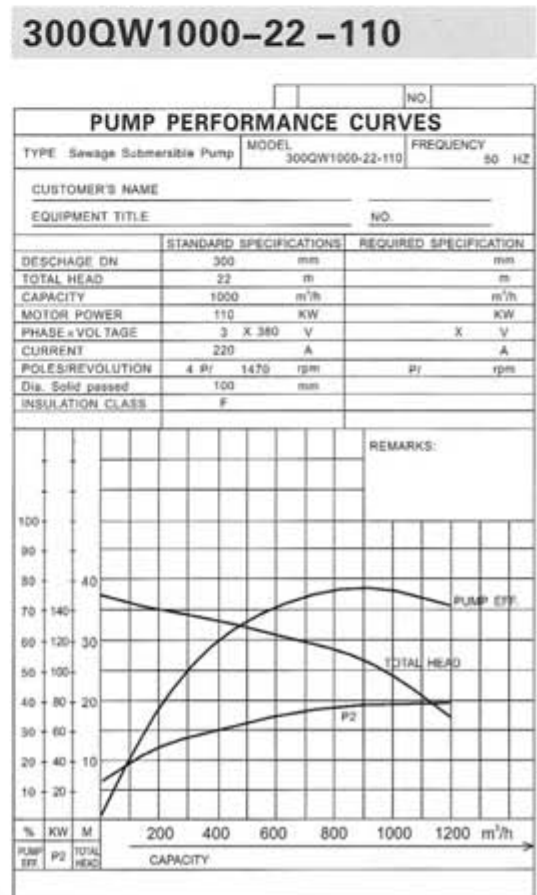


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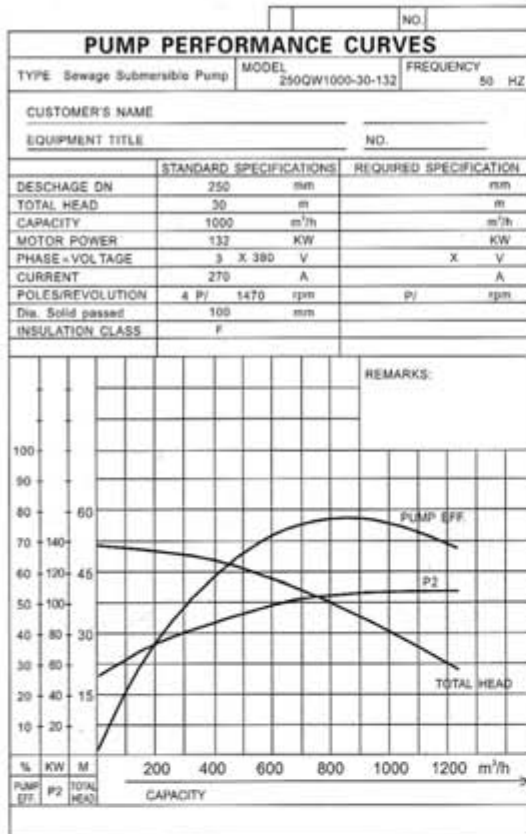


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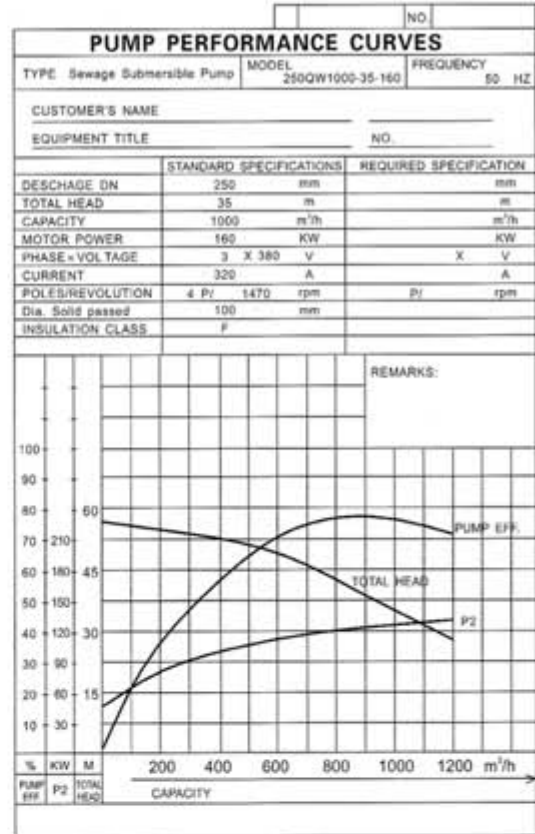




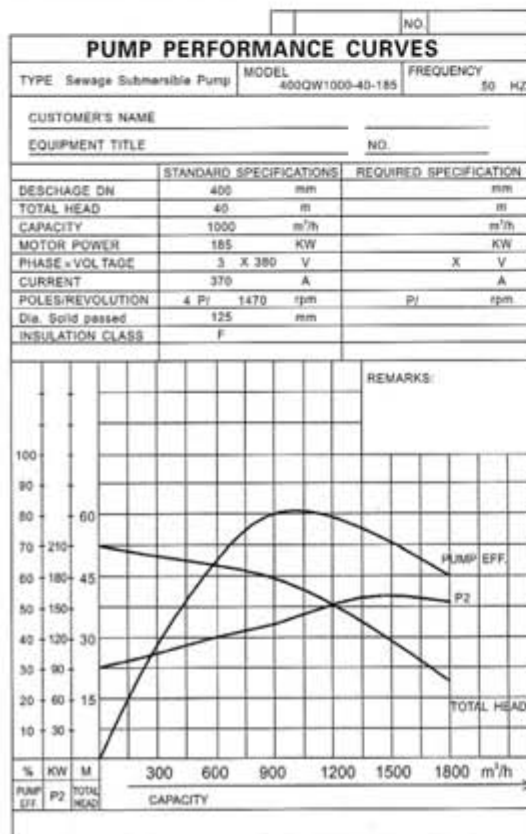
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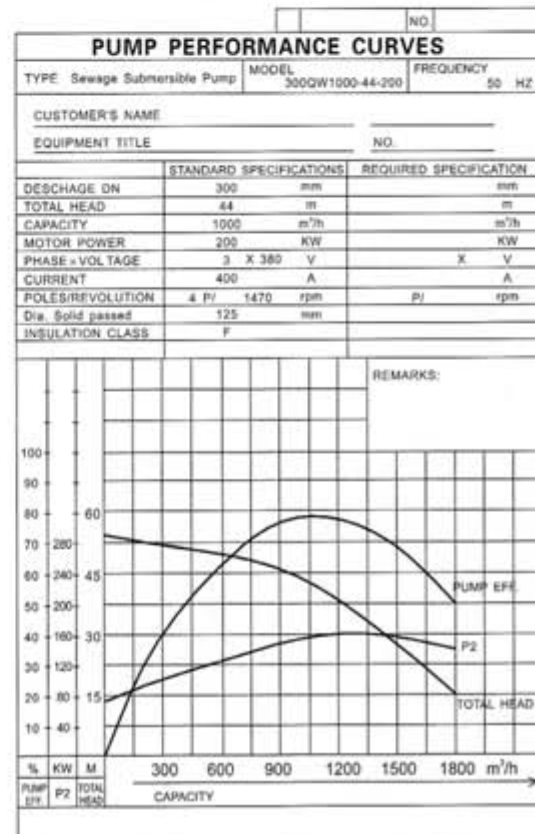
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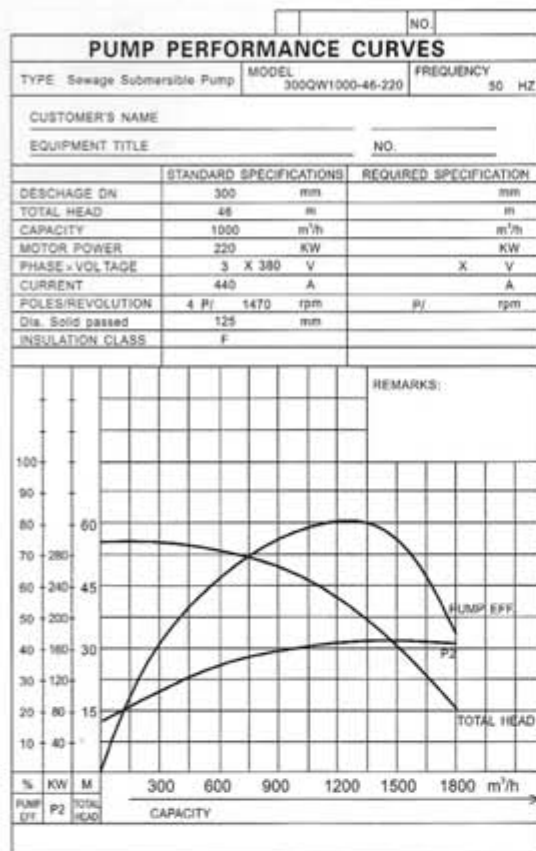
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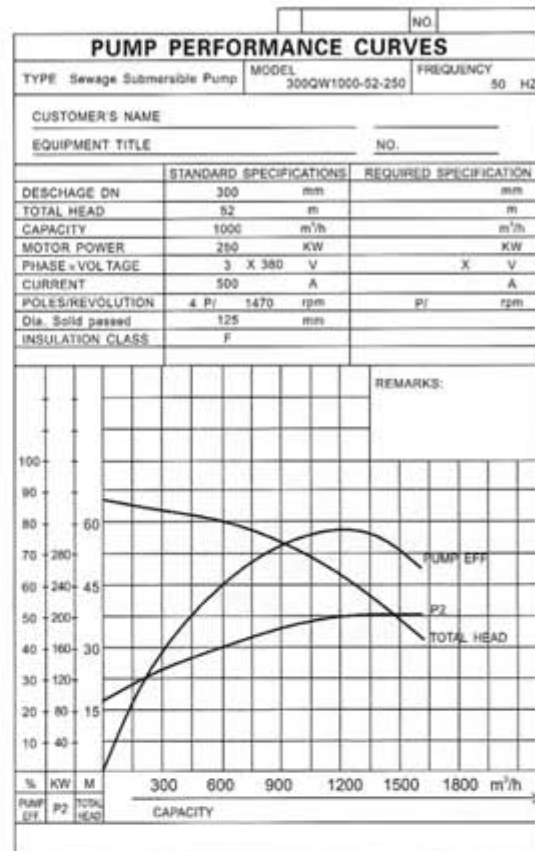
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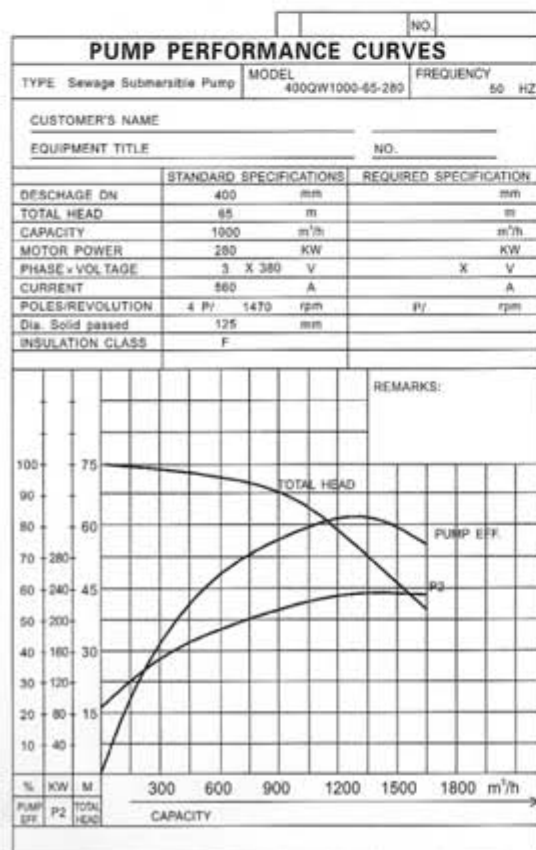
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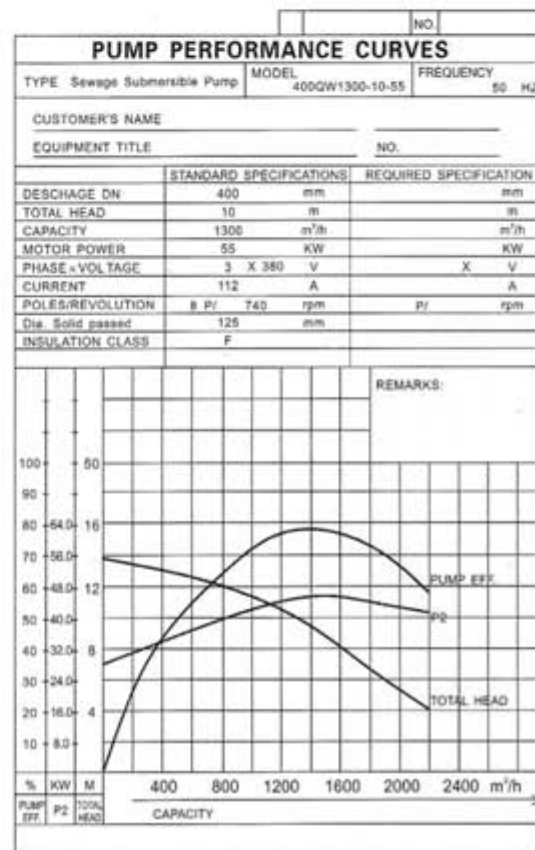
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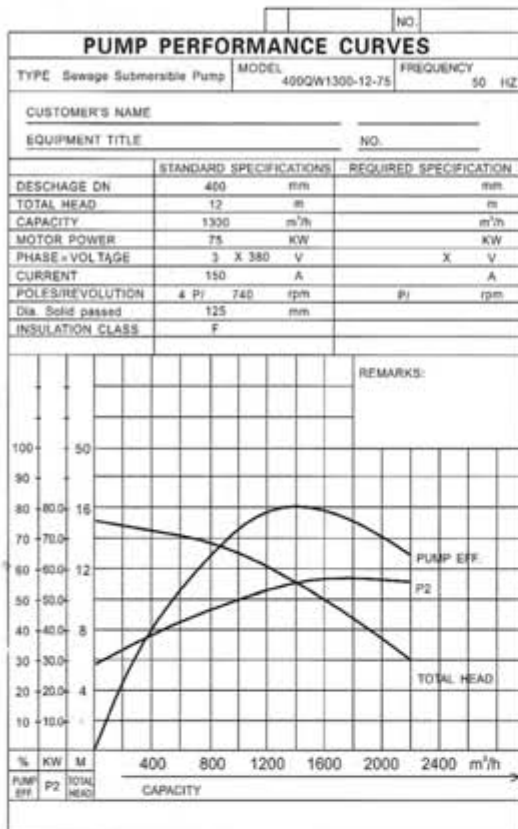
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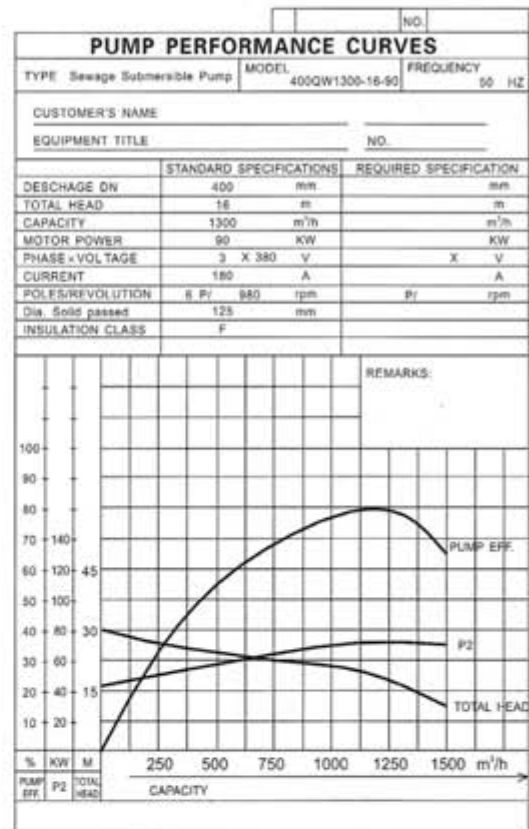
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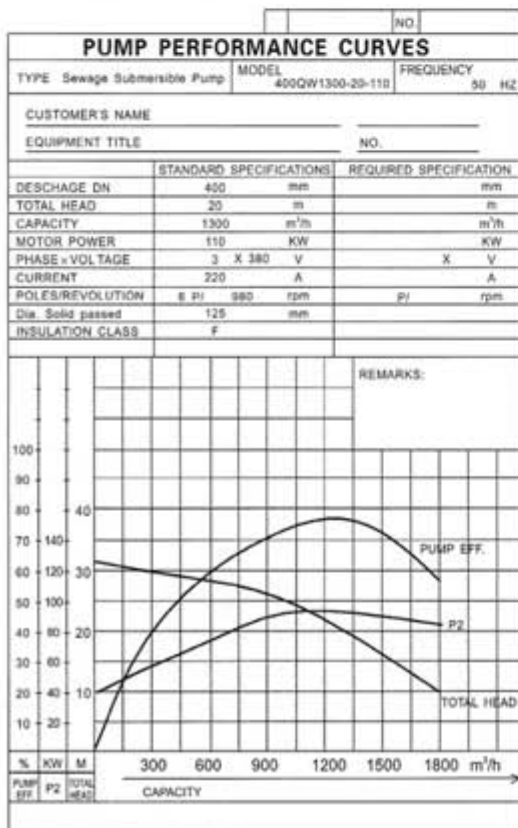
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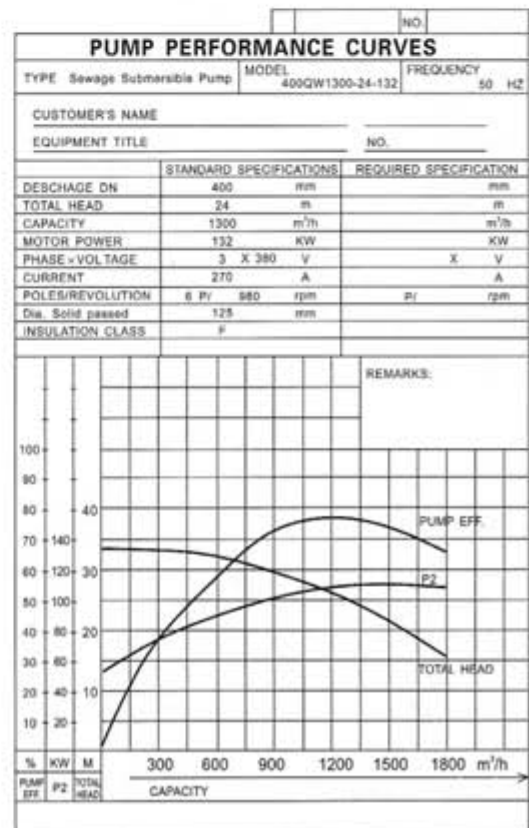
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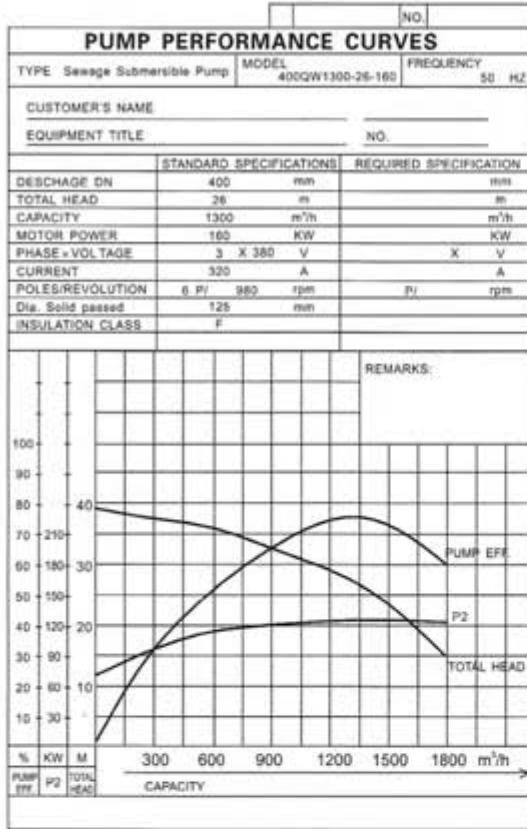
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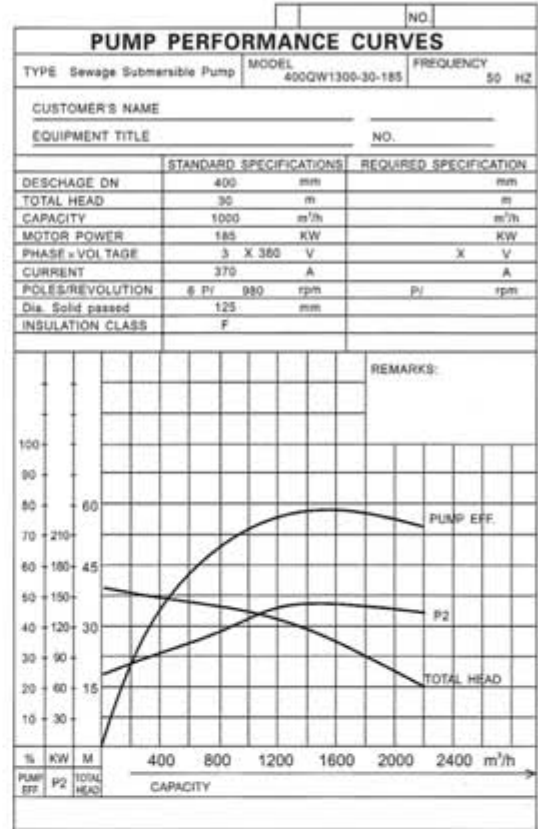
400QW1300-24-132



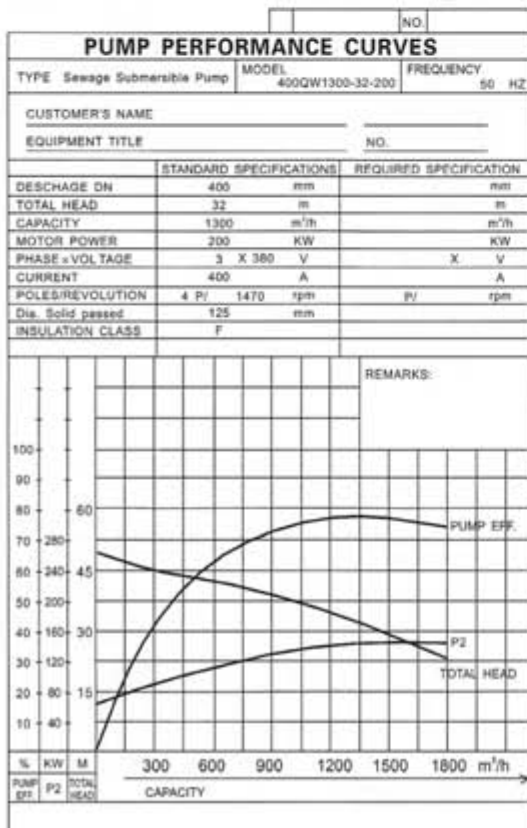
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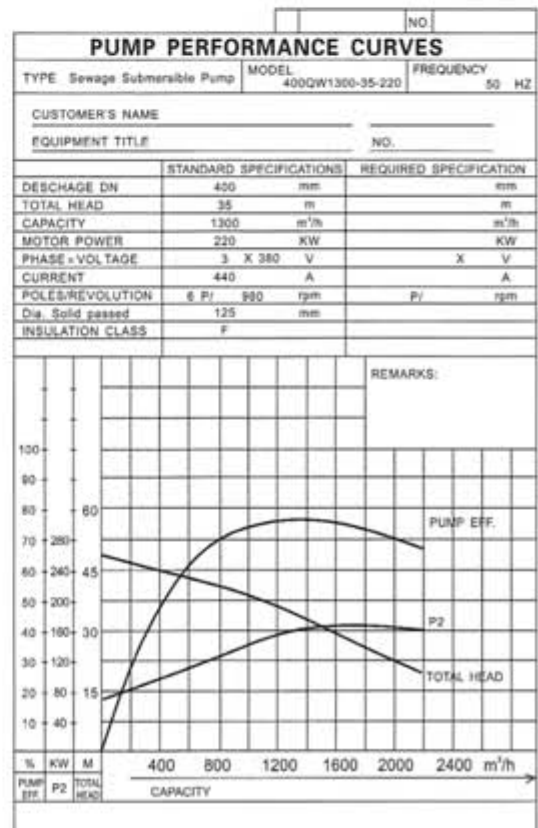
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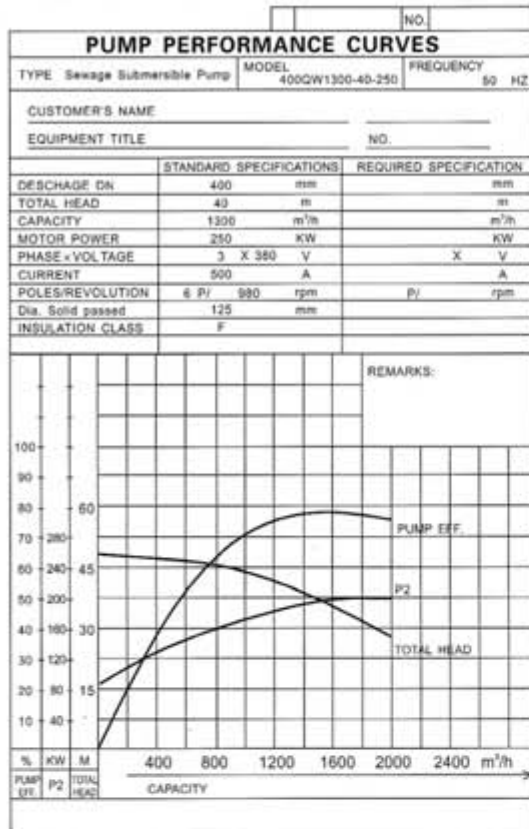
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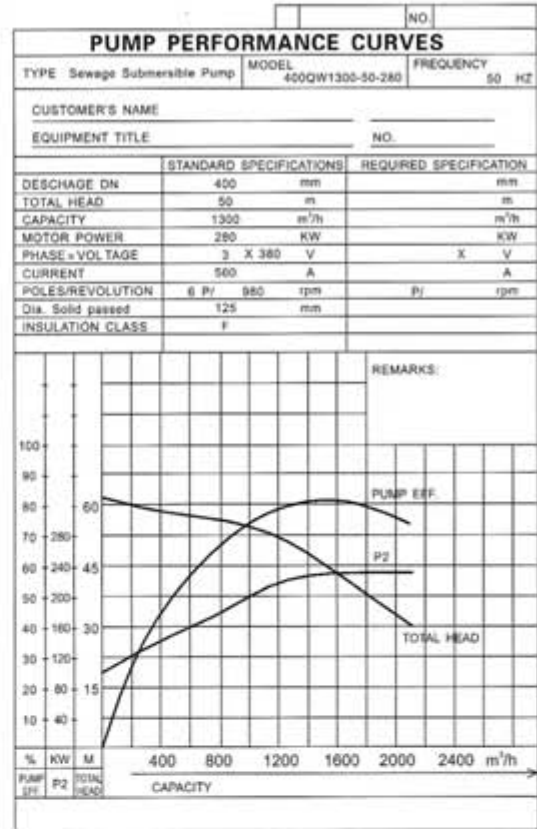
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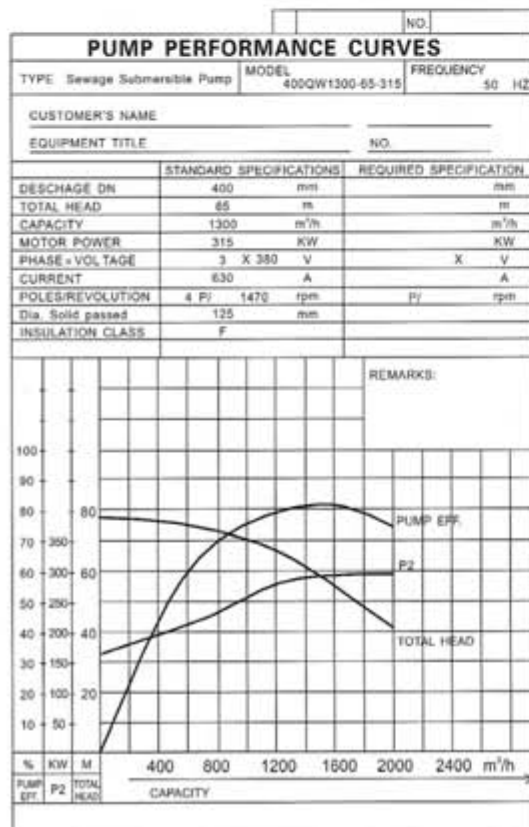
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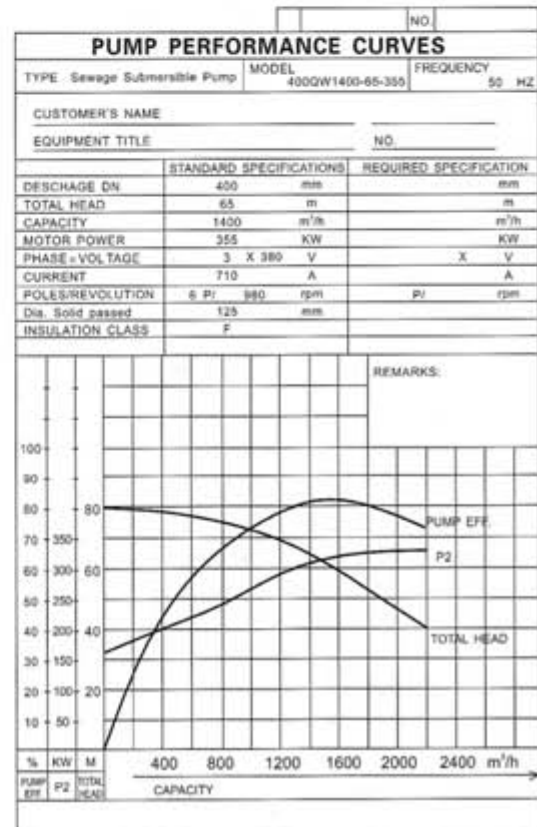
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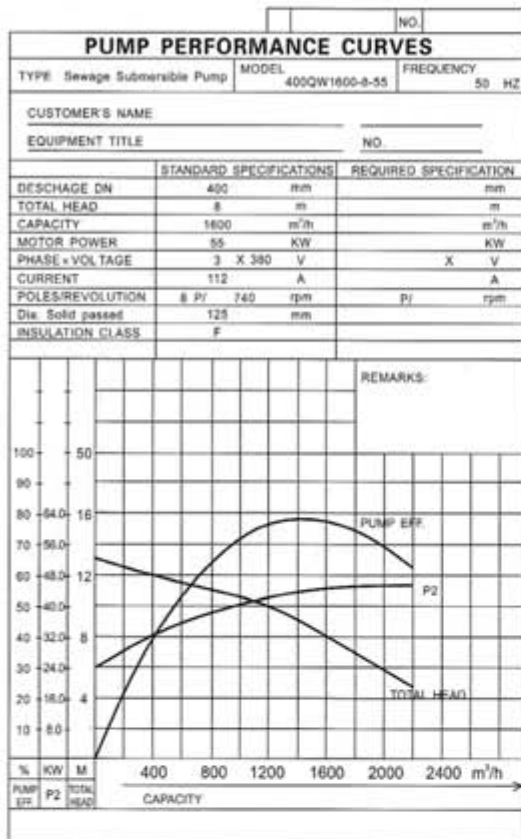
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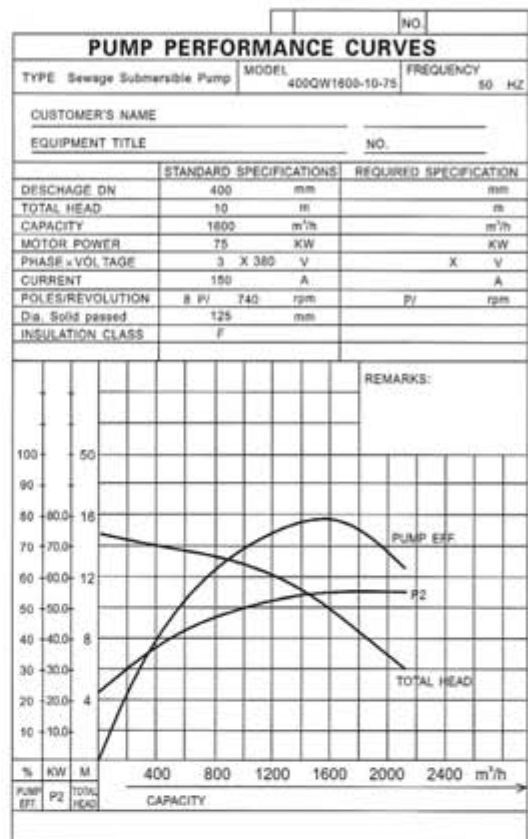
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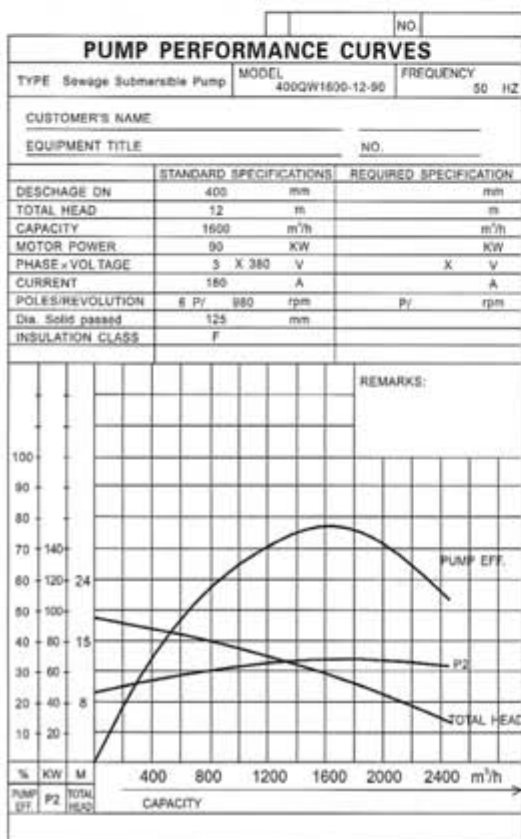
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400QW1600-10-75

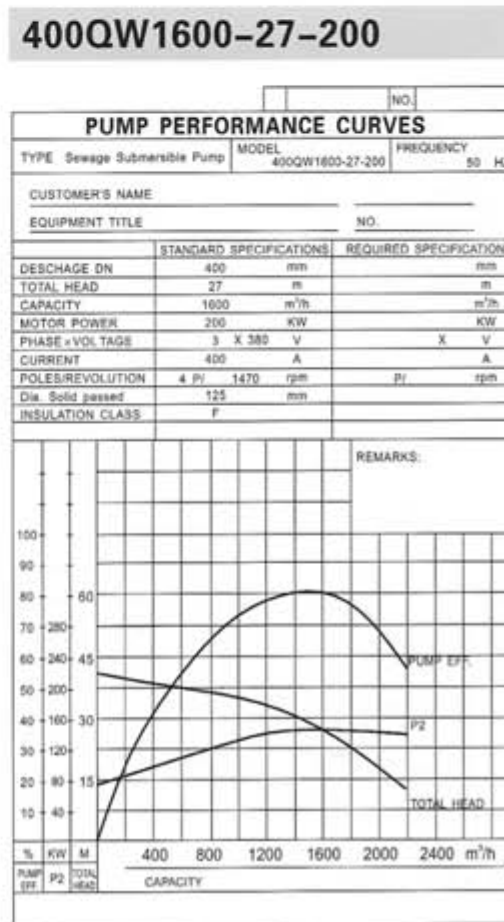


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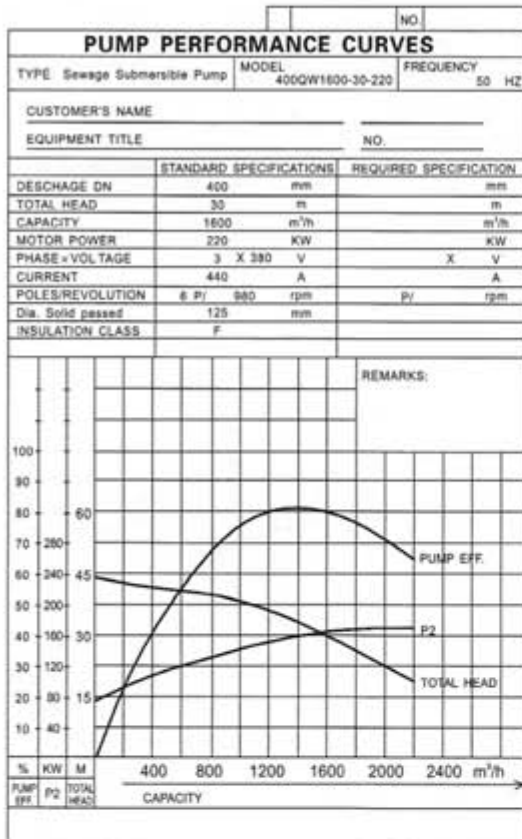


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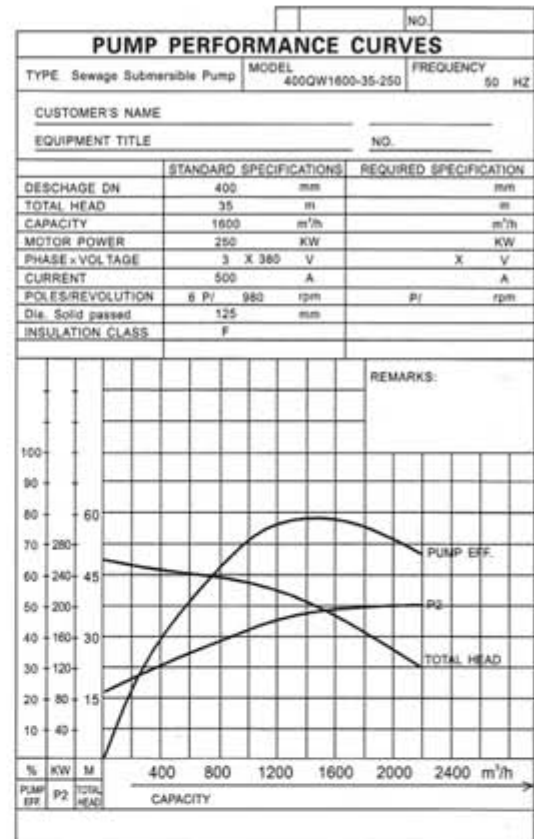




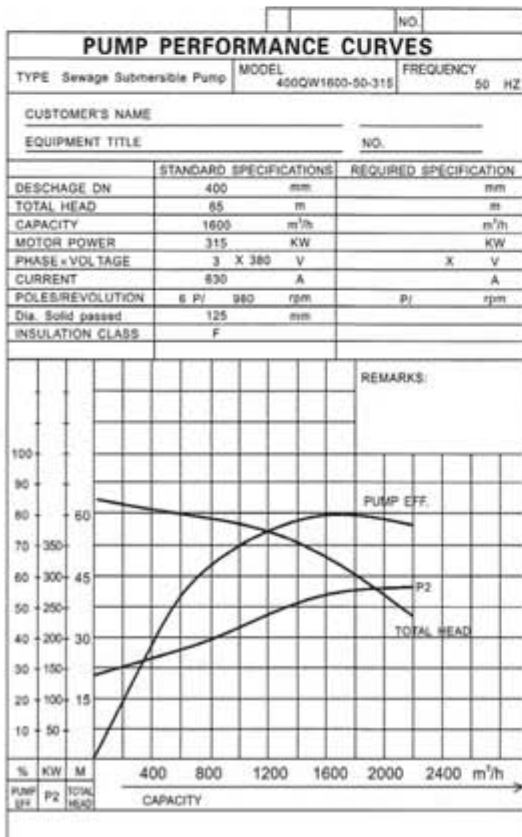
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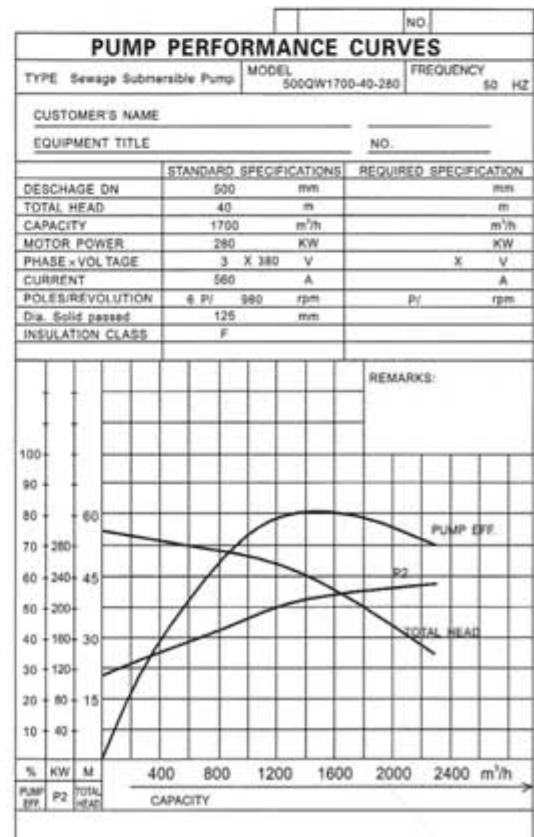
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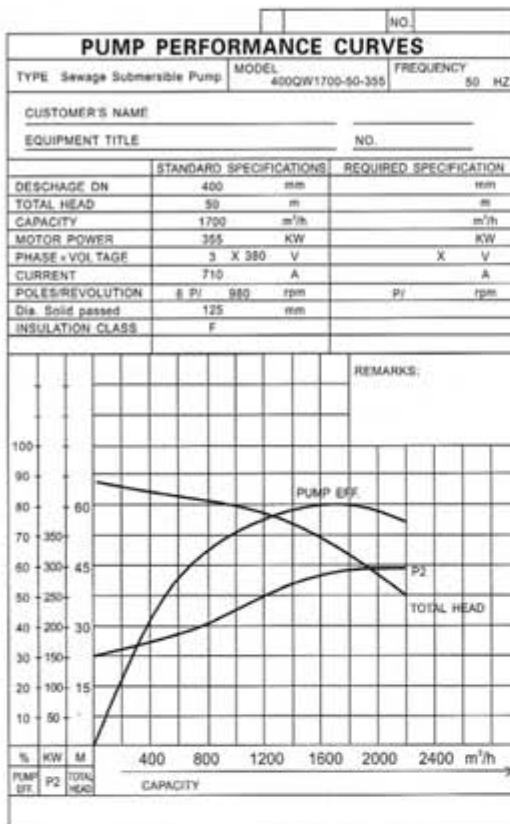
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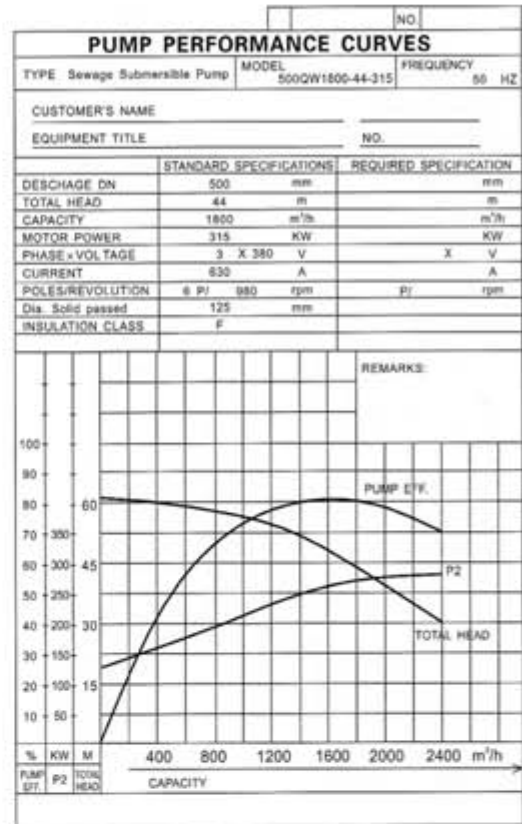
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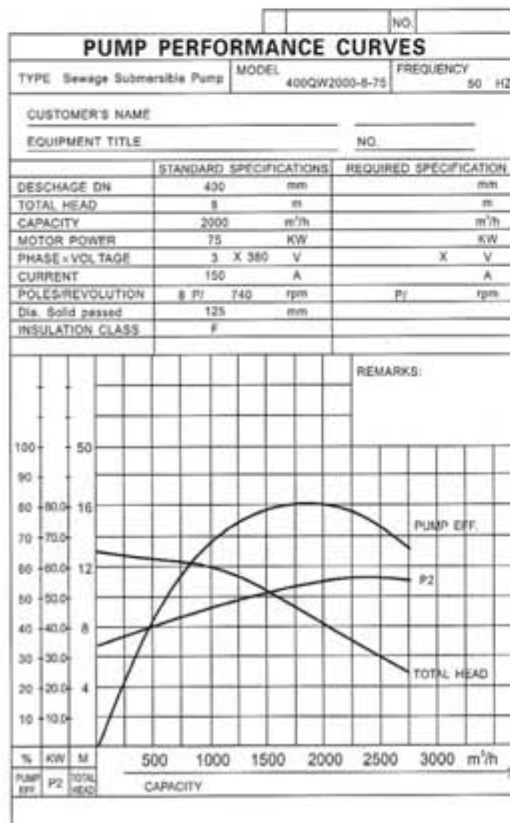
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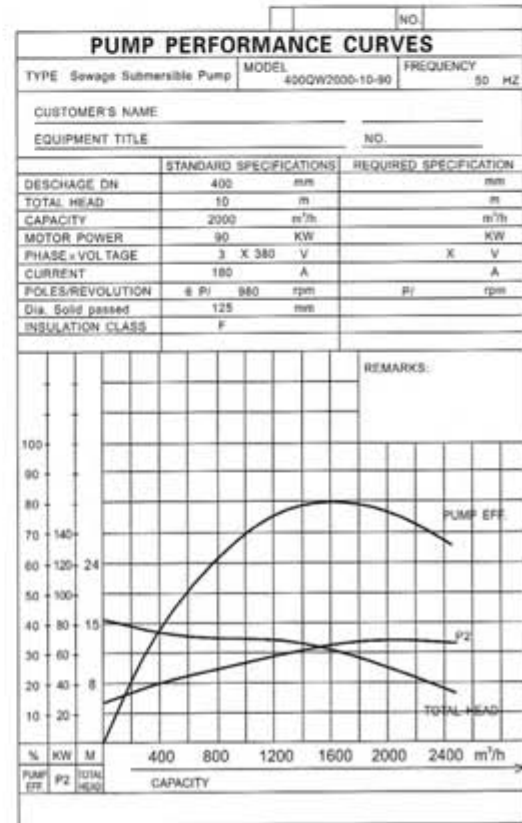
500QW1800-44-315



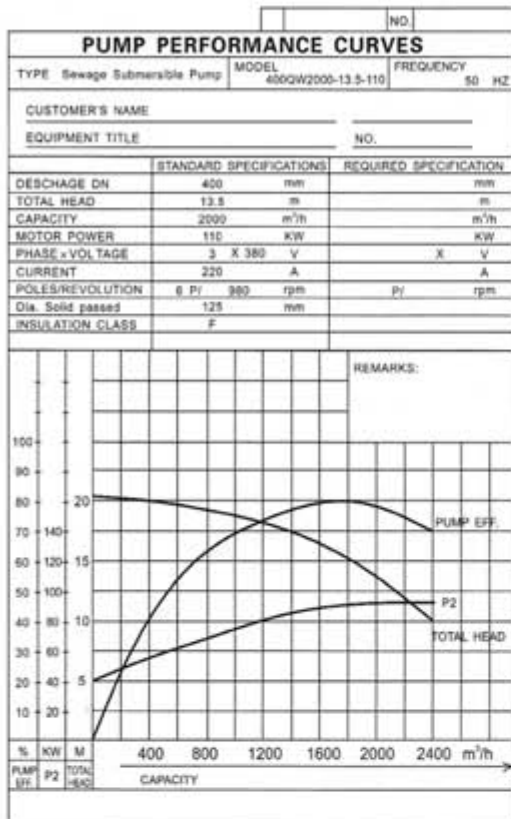
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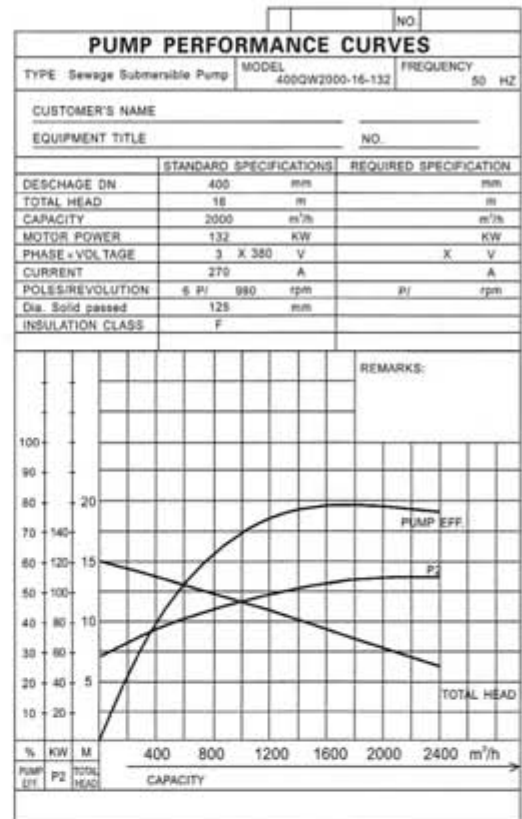
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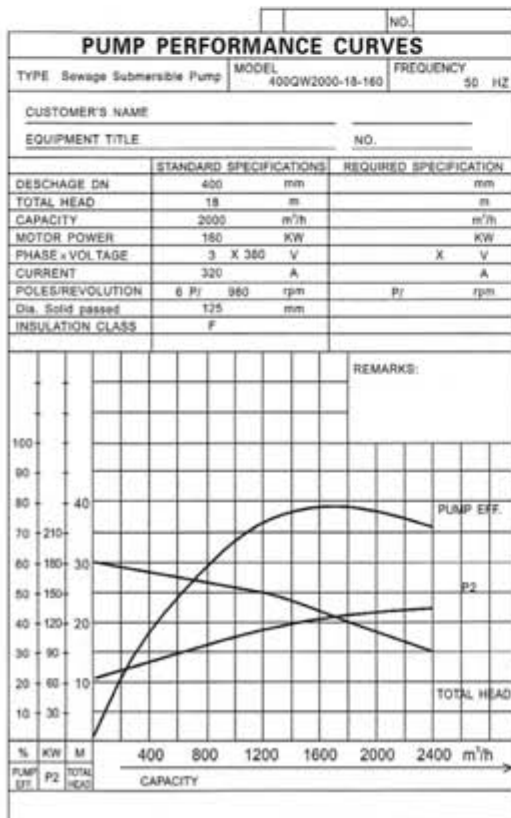
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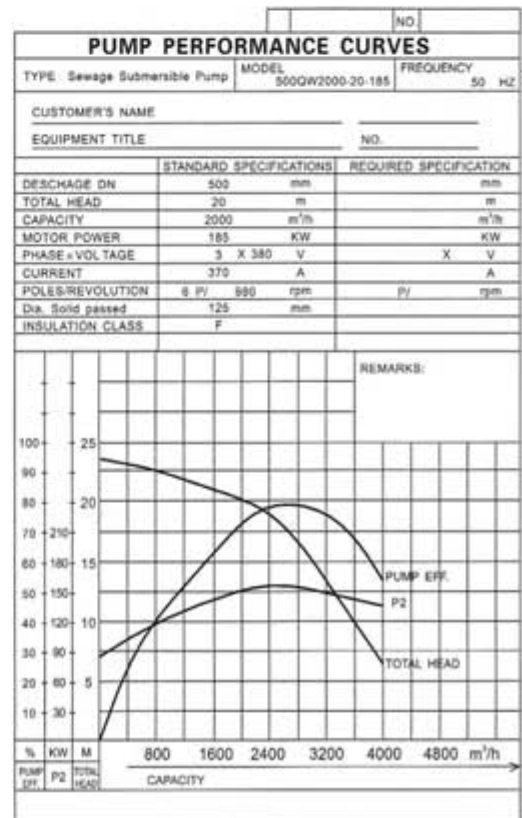
400QW1600-16-132



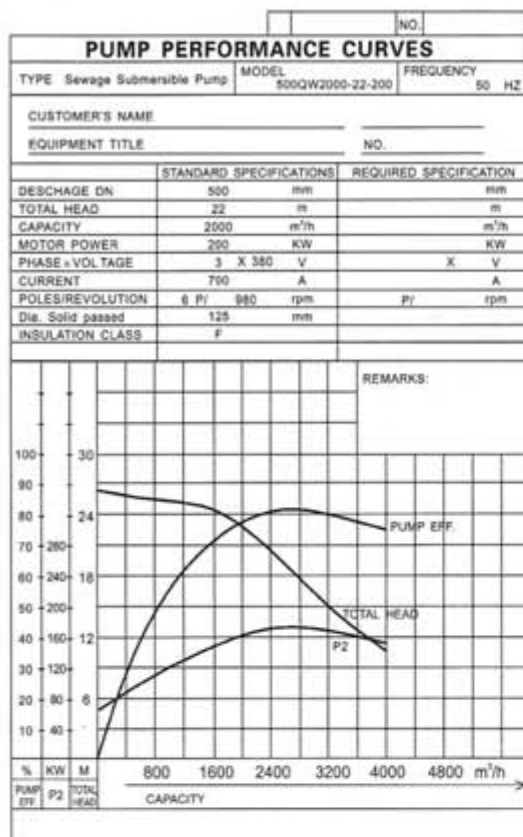
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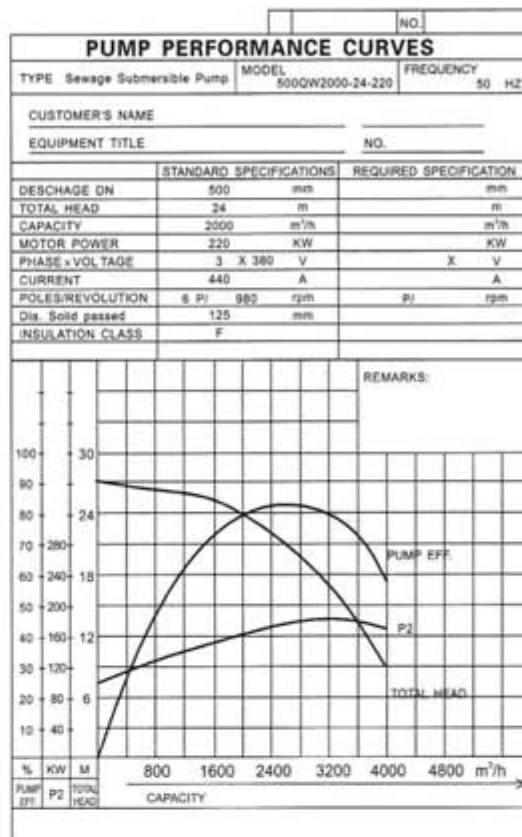
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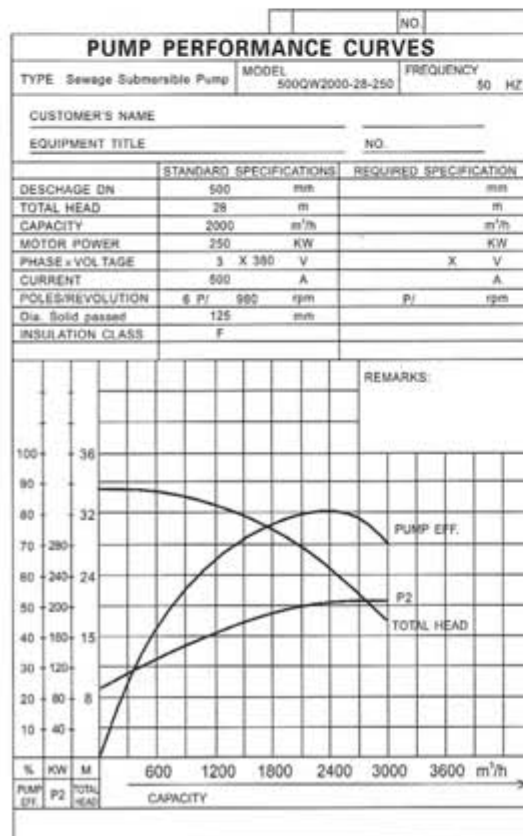
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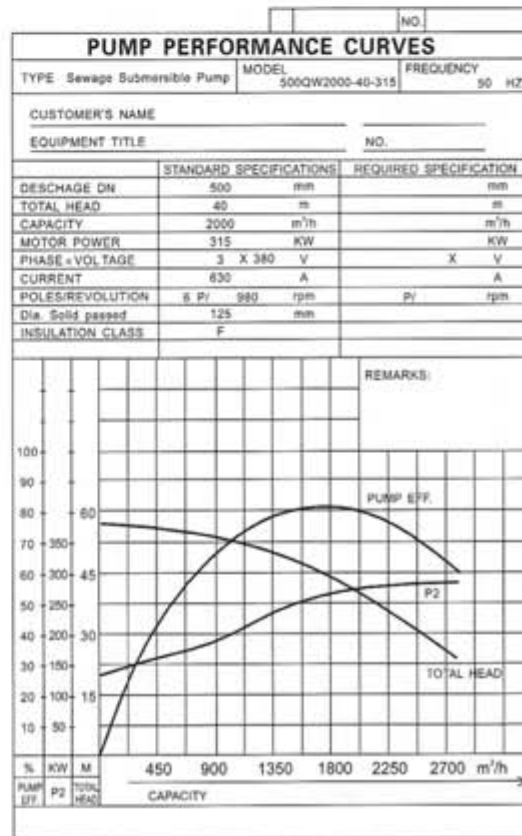
500QW2000-24-220



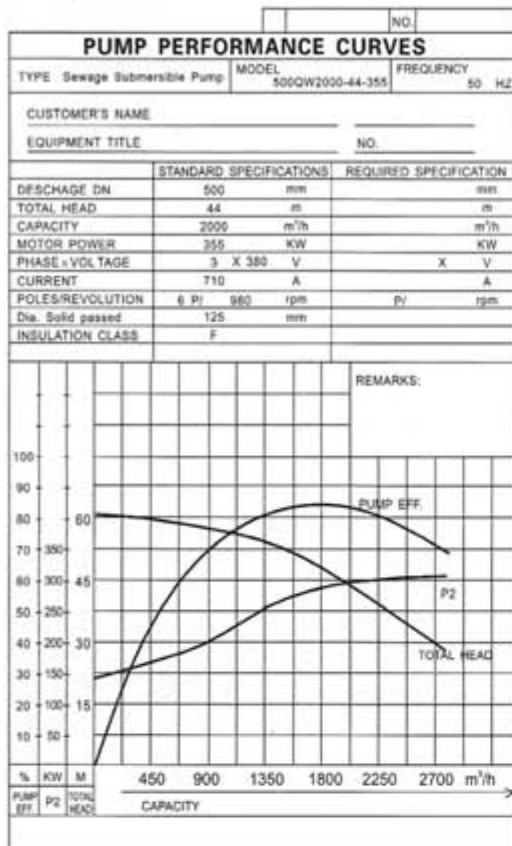
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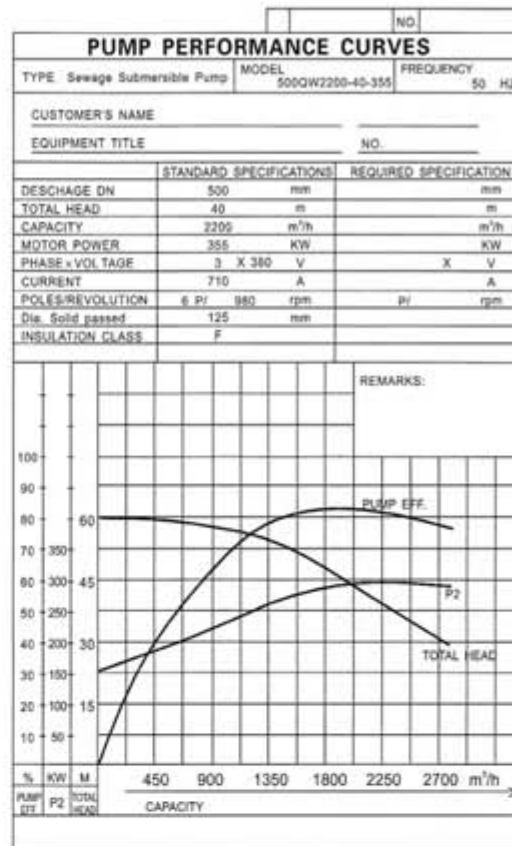
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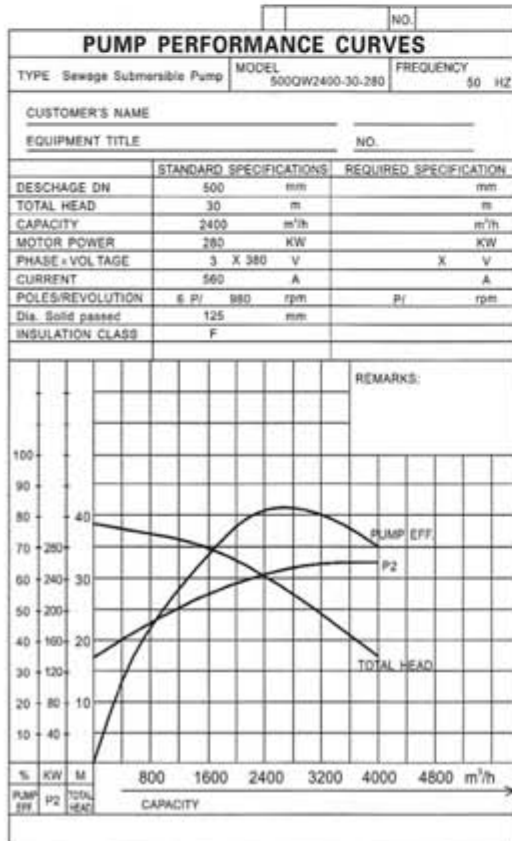
500QW2000-44-355



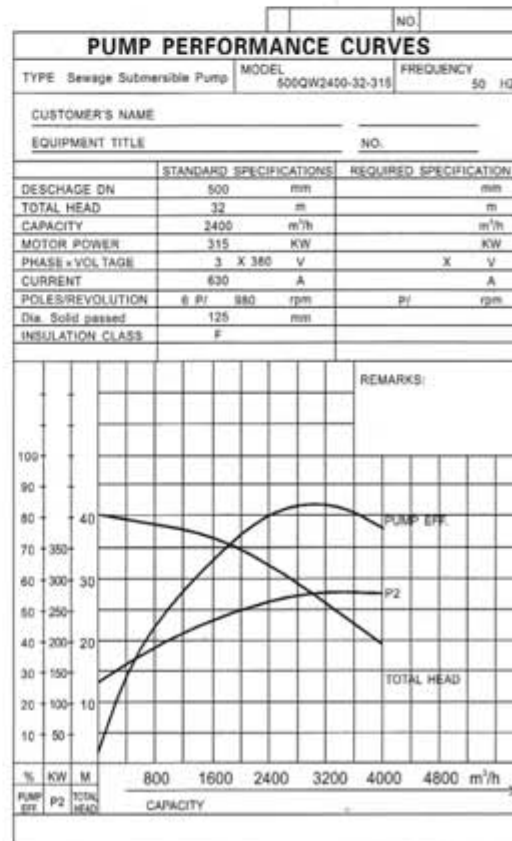
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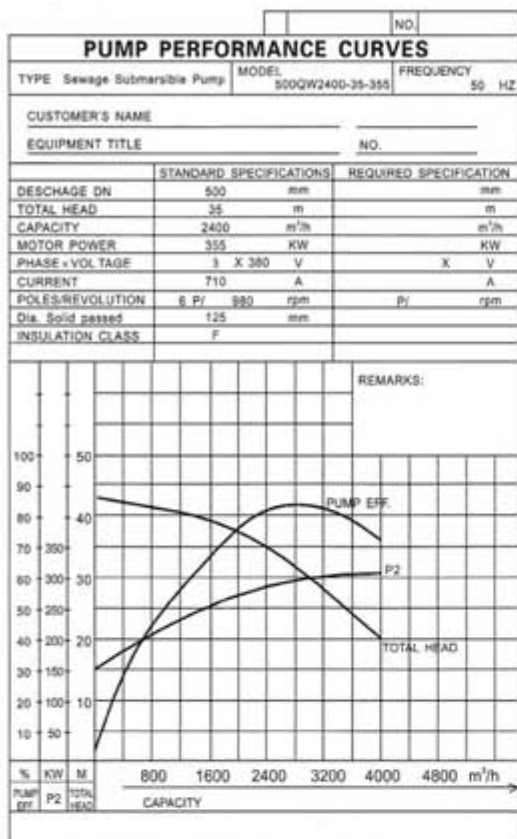
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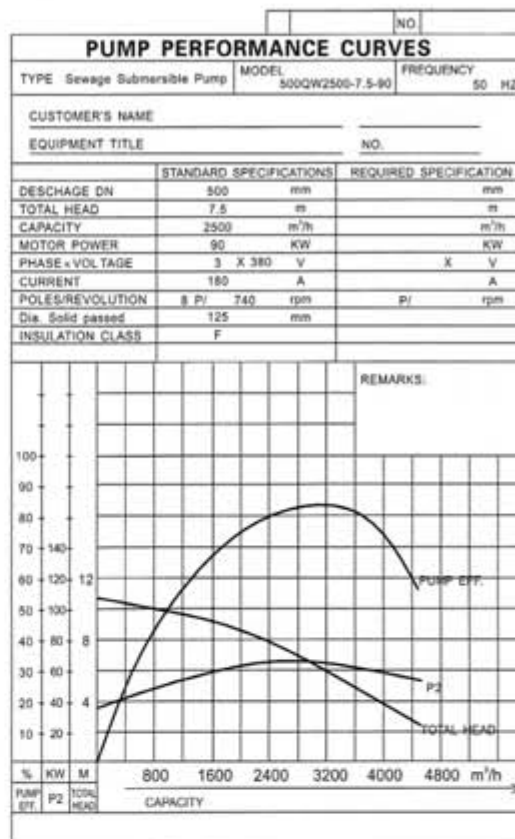
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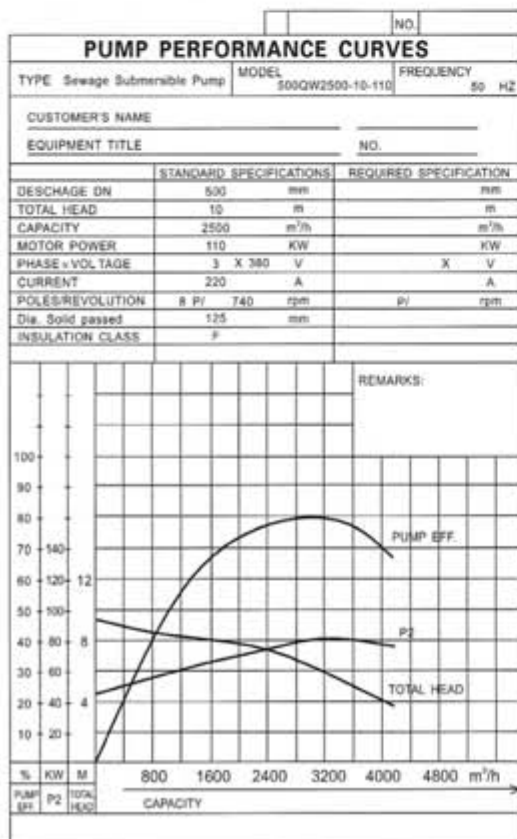
500QW2400-35-355



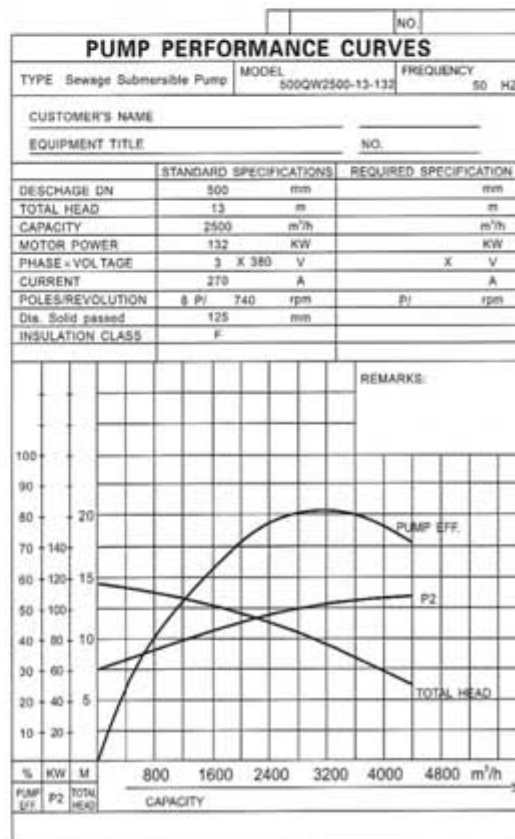
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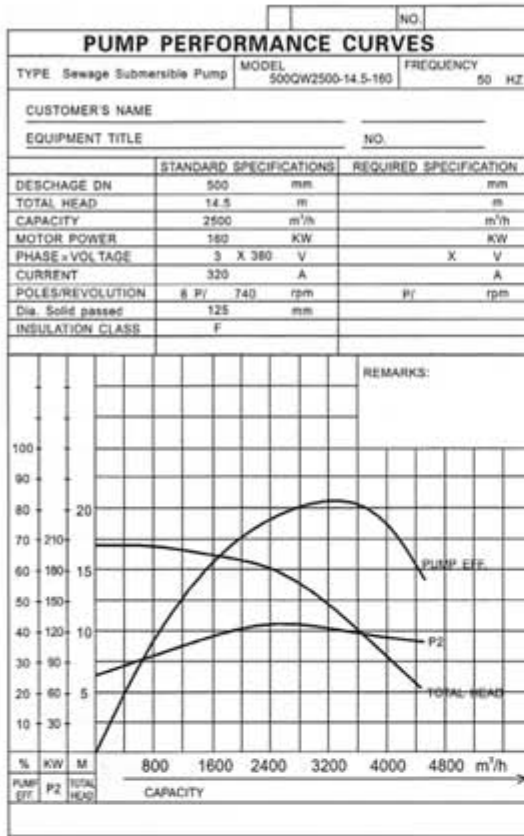
500QW2500-10-110



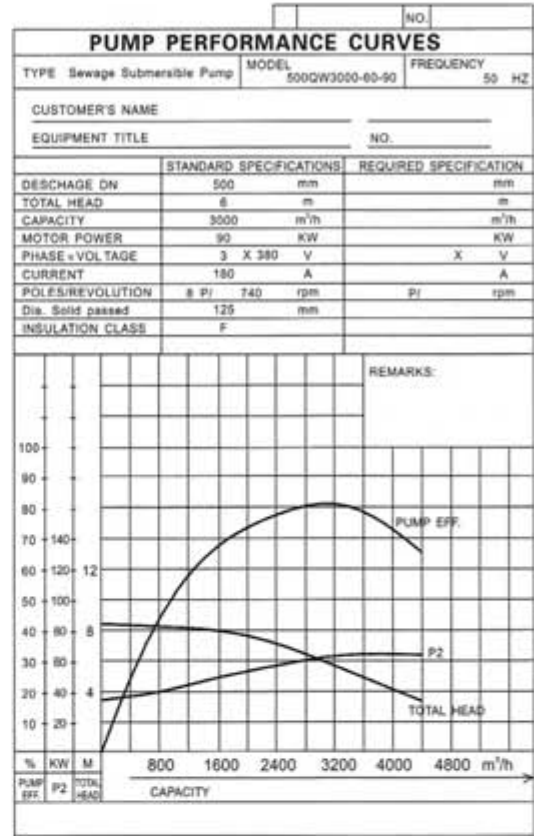
500QW2500-13-132



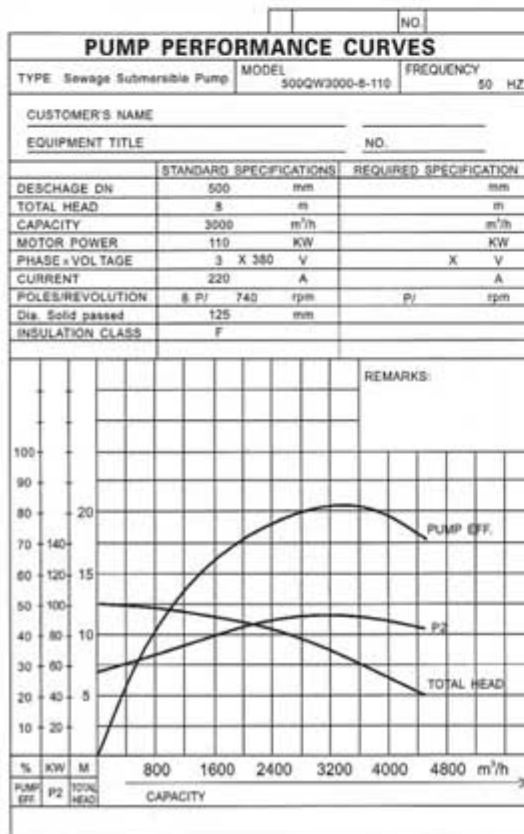
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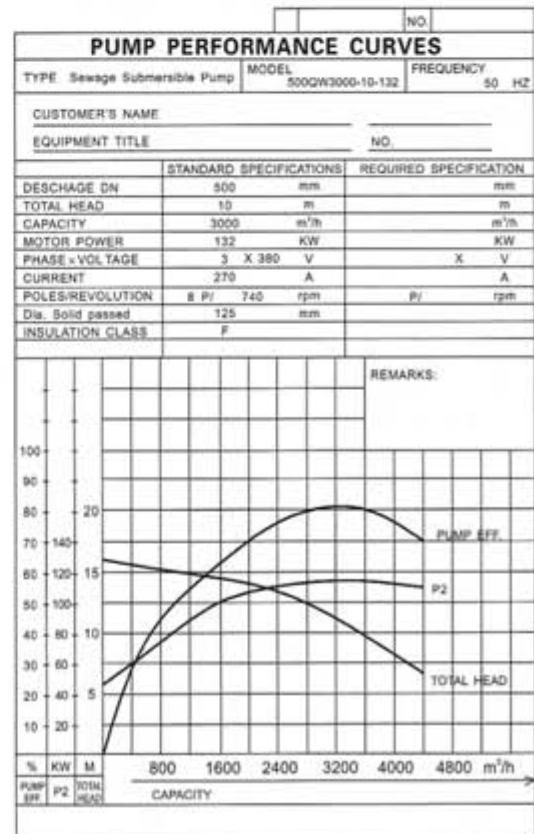
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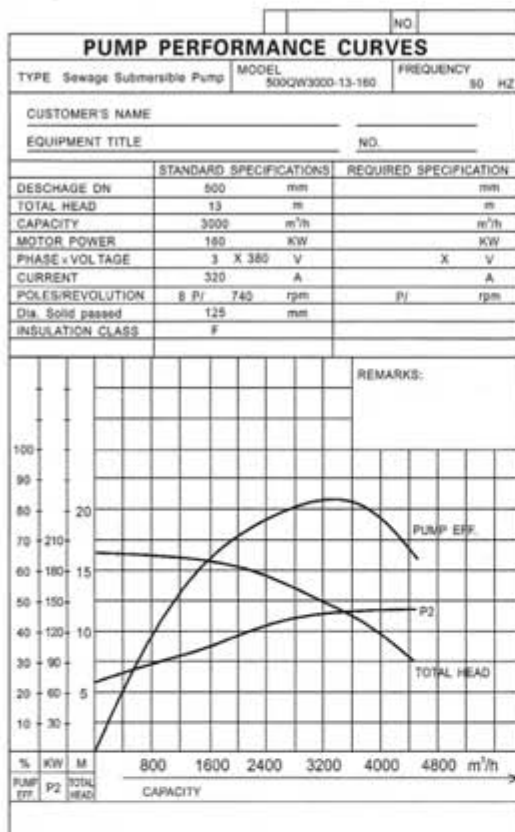
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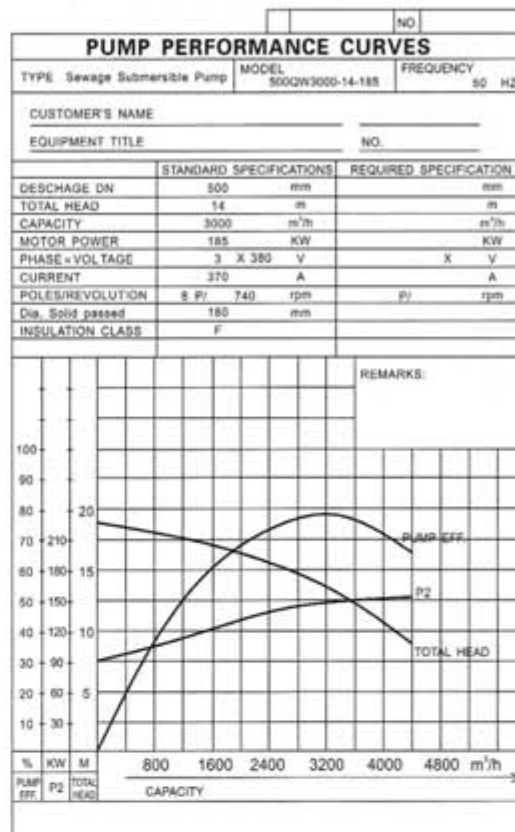
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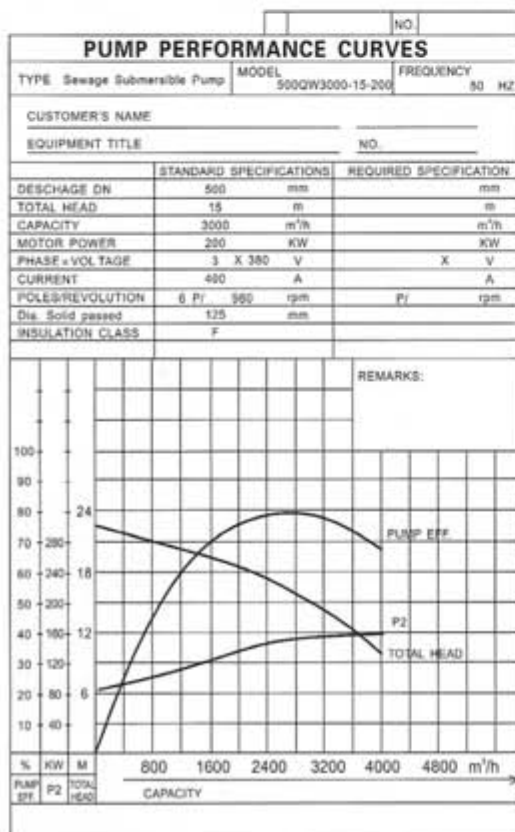
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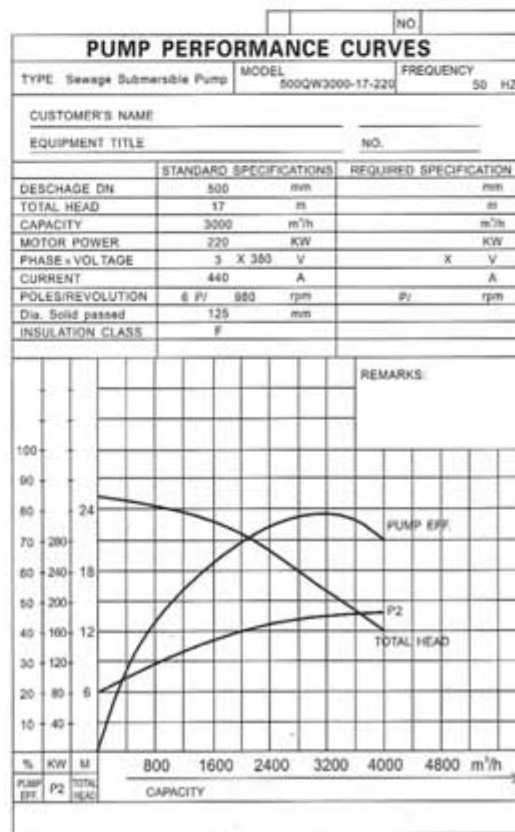
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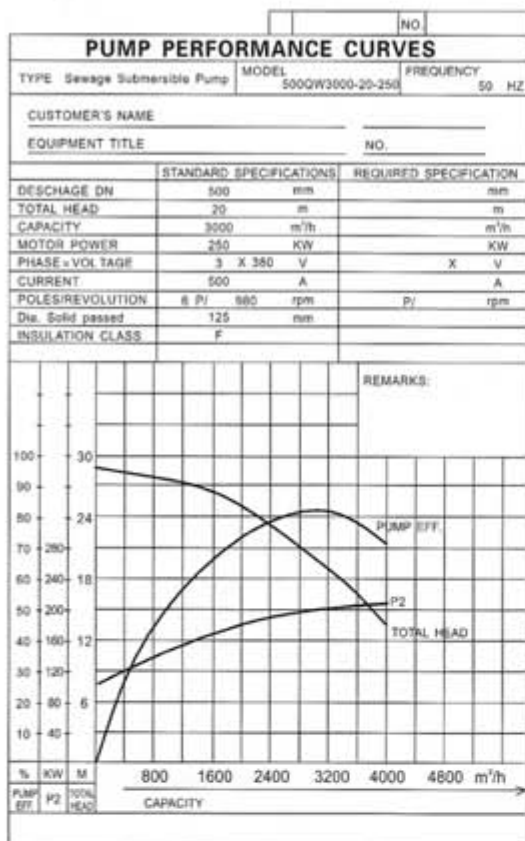
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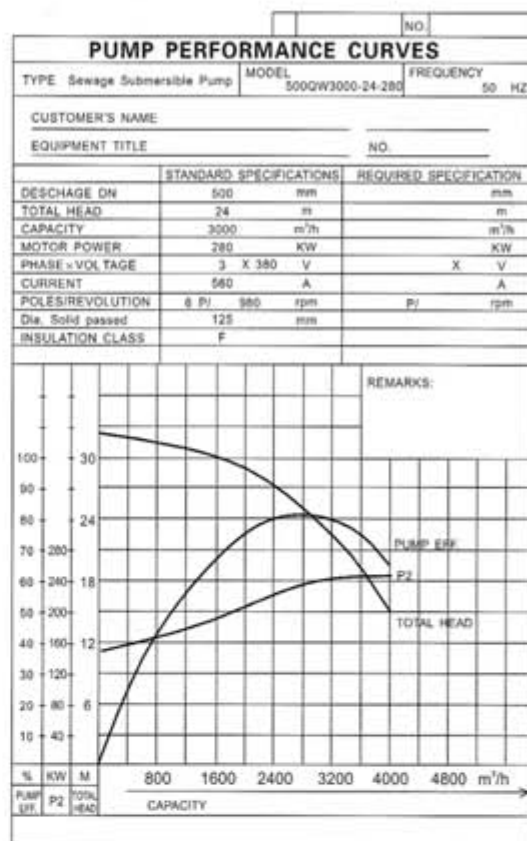
500QW3000-17-220



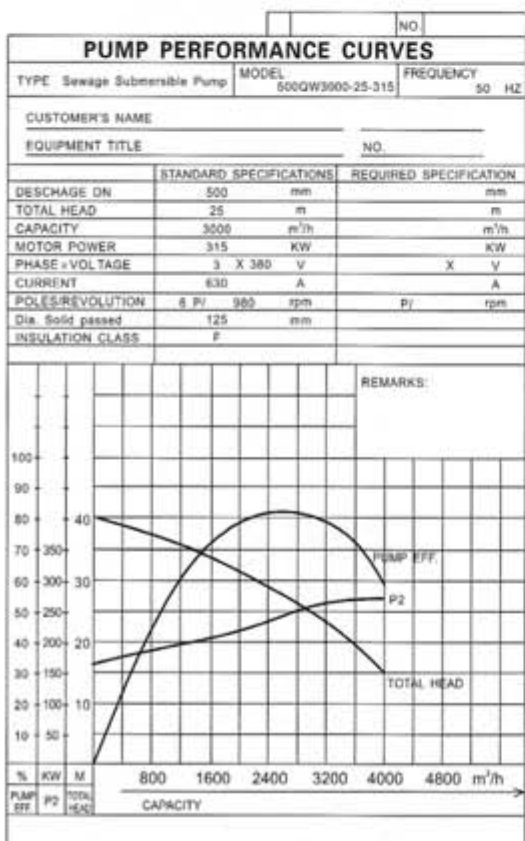
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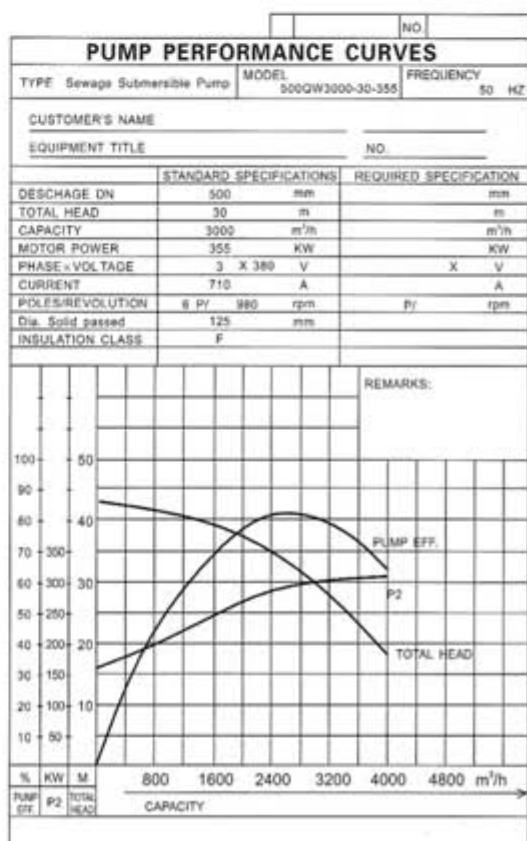
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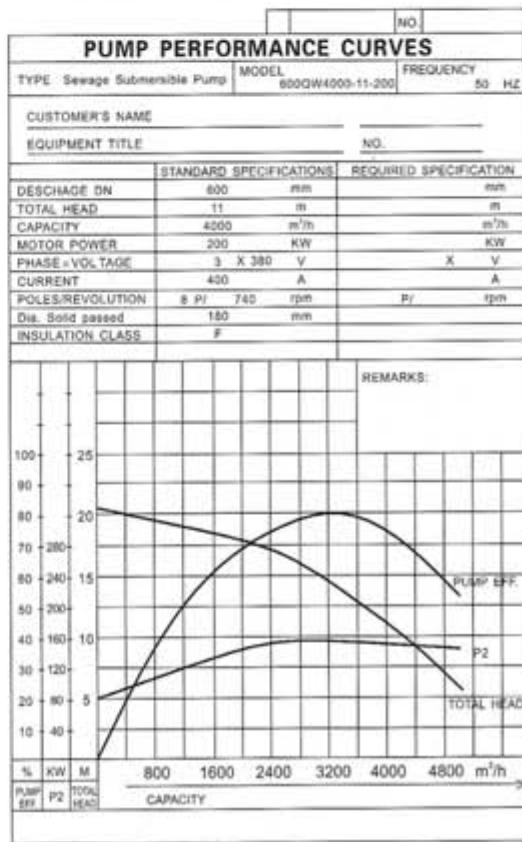
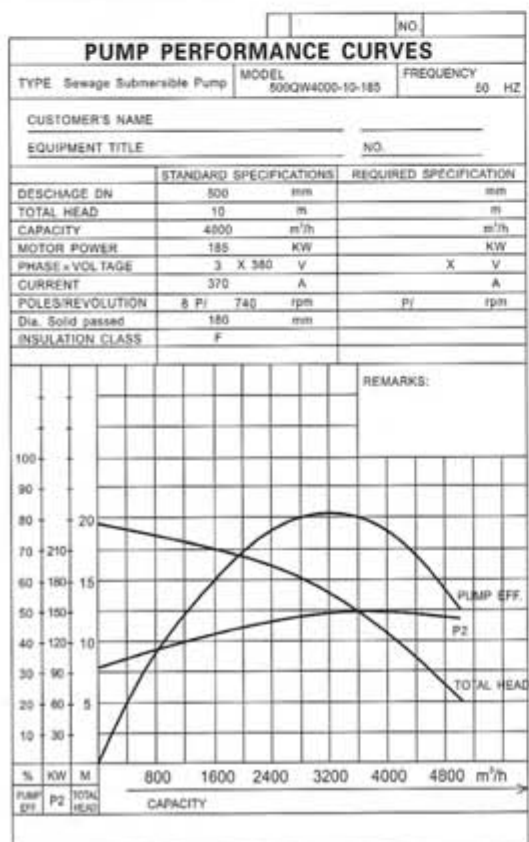
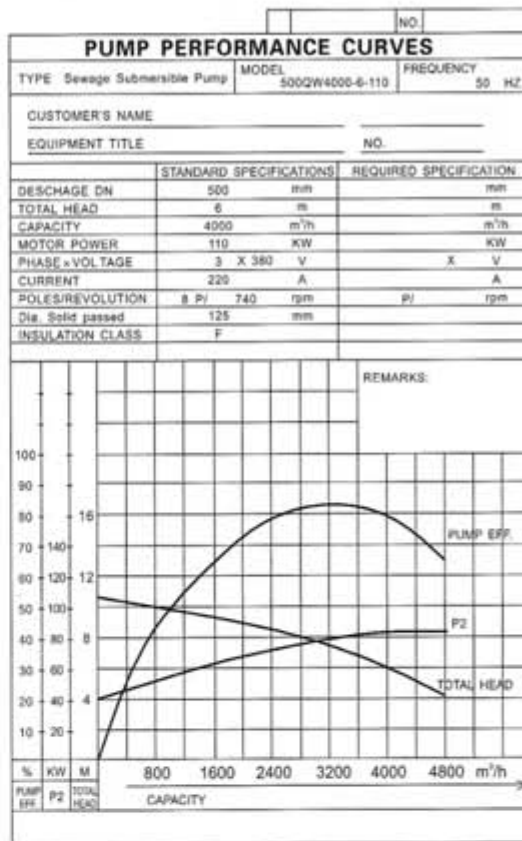
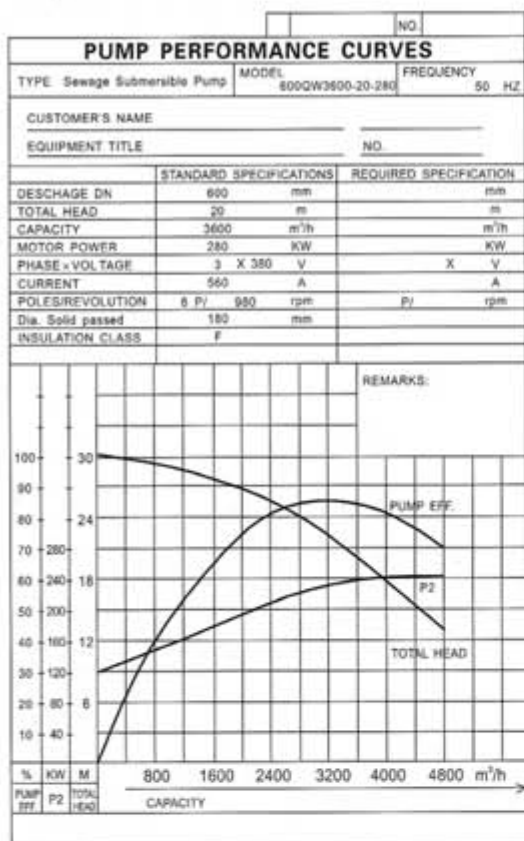


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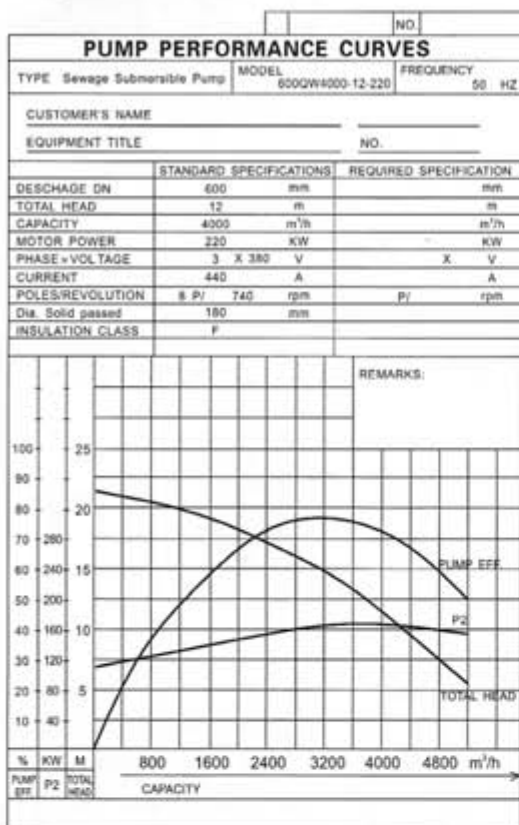


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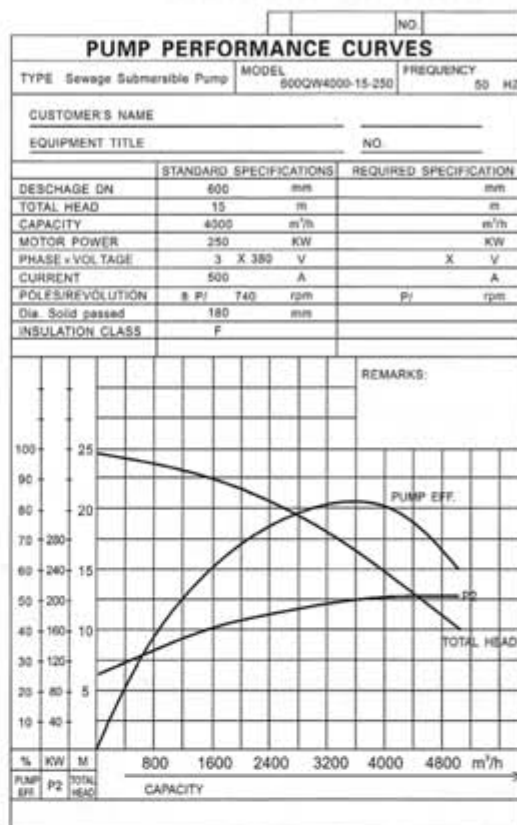




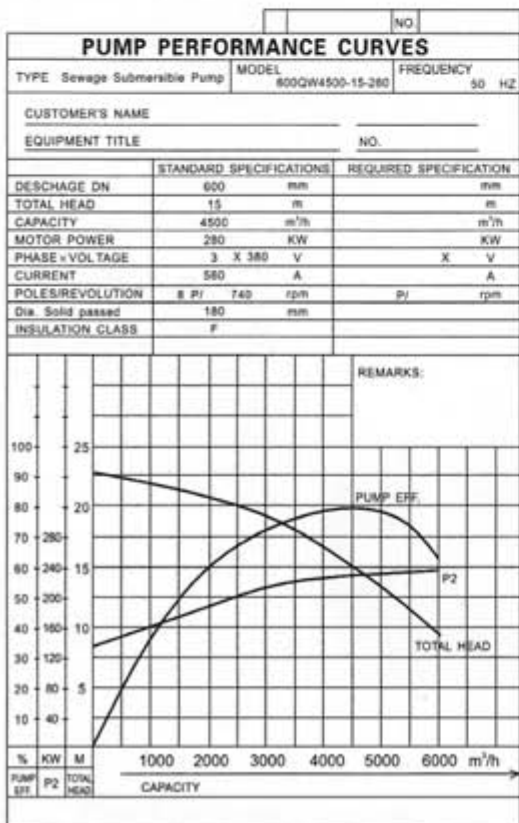
600QW4000-12-220



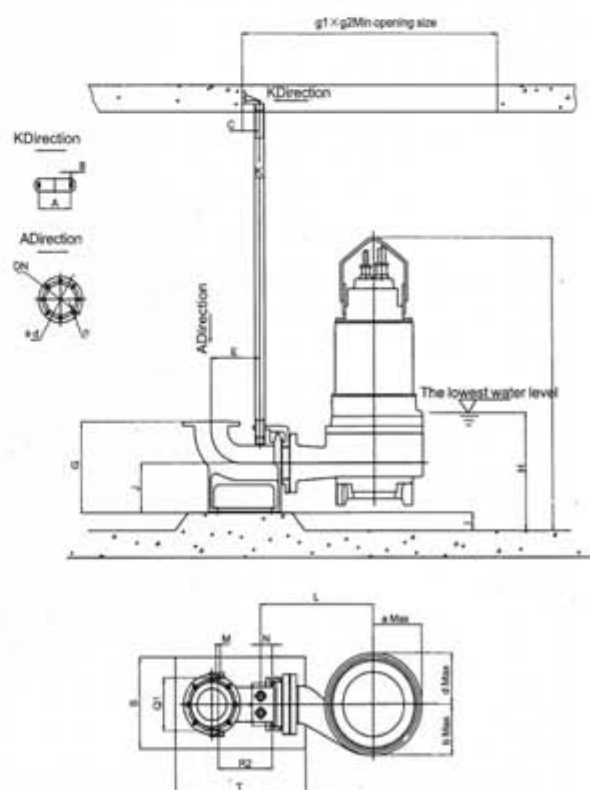
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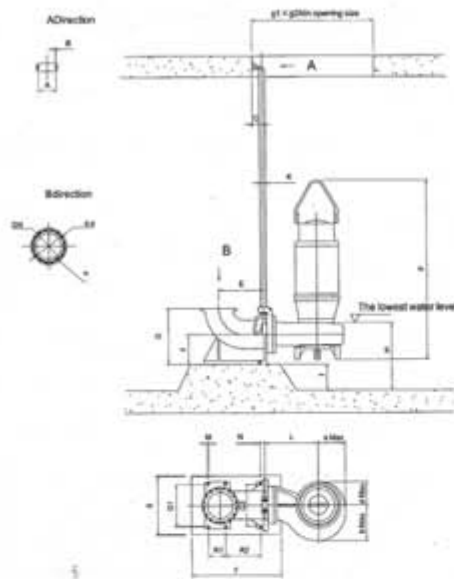
600QW4500-15-280



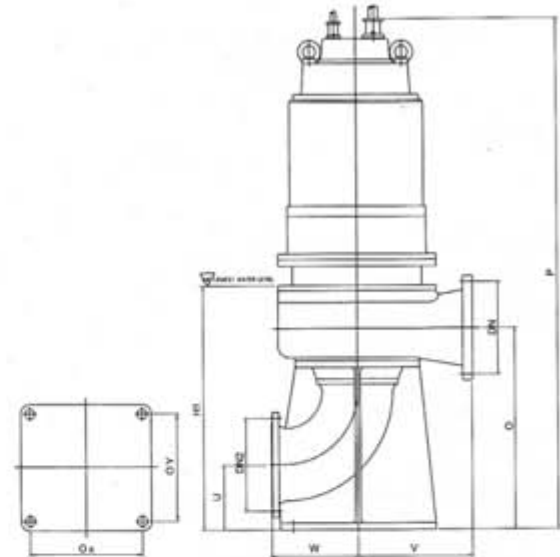
100GAK~250GAK fixed wet type mounting diagram



Up 300GAK fixed wet type mounting diagram



FIXED DRY TYPE MOUNTING



QW SERIES SEWAGE SUBMERSIBLE PUMP

OUTLET DIA	100mm	150mm		200mm		250mm				300mm		400mm		500mm		600mm
BASE	M180	M180	M225	M180	M225	M180	M225	M280	M315	M250	M280	M315	M355	M315	M355	M355
Min opening size	1350×900	1350×900	1400×900	1300×950	1400×1000	1500×1150	1500×1150	1700×1300	1700×1300	1600×1250	1600×1250	1900×1400	2250×1700	2150×1700	2250×1700	3000×2500
DN	100	150	150	200	200	250	250	250	250	300	300	400	400	500	500	600
A	160	160	160	160	160	270	230	230	230	280	280	280	280	281	282	1755
B	2-12	2-12	2-12	2-12	2-12	2-14	2-14	2-14	2-14	2-14	2-14	2-14	2-14	2-14	2-14	—
C	80	80	80	80	80	155	125	125	125	155	155	155	155	155	155	200
E	215	245	245	275	275	400	385	385	385	552	552	700	700	739	739	755
F (max)	2100	2100	2550	2130	2500	2000	2550	3250	3800	3000	3150	3500	3920	3800	4500	4500
L (max)	580	580	580	570	715	680	680	760	760	654	654	864	1034	955	916	1269
a (max)	305	305	305	243	340	308	308	360	360	375	375	425	640	610	555	750
b (max)	305	305	305	247	355	355	355	430	430	420	420	555	705	690	630	900
d (max)	305	305	305	243	330	305	305	310	310	370	370	350	525	500	480	600
G	385	435	435	535	535	680	675	675	675	720	720	855	855	920	920	1620
H	680	680	690	865	1000	900	900	1300	1300	1000	1000	1200	1250	1300	1350	1500
I	230	230	240	180	240	230	230	400	400	250	250	400	450	450	500	500
J	205	235	235	305	305	357	352	352	352	388	388	455	455	455	455	640
K	Φ48	Φ48	Φ48	Φ48	Φ48	Φ76	Φ60	Φ60	Φ60	Φ89	Φ89	Φ89	Φ89	Φ89	Φ89	—
M	4-18	4-20	4-20	4-20	4-20	4-26	4-26	4-26	4-26	6-28	6-28	6-28	6-28	6-28	6-28	—
N	47	57	57	42	42	22	22	22	22	58	58	67	67	94	94	—
Q1	220	250	250	370	370	500	500	500	500	500	500	640	640	640	640	—
Q2	190	200	200	330	330	500	500	500	500	500	500	640	640	640	640	—
R1	0	0	0	0	0	470	470	470	470	180	180	265	265	265	265	—
R2	237	270	270	330	330	0	0	0	0	420	420	550	550	550	550	—
S	450	650	650	680	680	800	800	800	800	800	800	900	900	1000	1000	1700
T	550	850	850	900	900	1200	1200	1200	1200	1300	1300	1400	1400	1400	1400	1700
n	8-Φ18	8-Φ22	8-Φ22	8-Φ22	8-Φ22	12-Φ22	12-Φ22	12-Φ22	12-Φ22	12-Φ22	12-Φ22	16-Φ26	16-Φ26	20-Φ26	20-Φ26	20-Φ30
Φd	Φ180	Φ240	Φ240	Φ295	Φ295	Φ350	Φ350	Φ350	Φ350	Φ400	Φ400	Φ515	Φ515	Φ620	Φ620	Φ725
FIXED DRY TYPE MOUNTING																
O*	643	643	643	679	200	762	762	853	853	879	879	1050	1100	1160	1160	1850
H1*	810	810	810	840	1000	1000	1000	1100	1100	1200	1200	1225	1350	1420	1420	2120
P (max) *	2200	2200	2200	2000	2200	1950	1950	3220	3220	2668	2668	3410	3680	3590	3590	4430
U*	200	200	200	230	230	245	245	295	295	295	295	350	450	450	450	450
V (max) *	418	418	418	402	550	445	445	523	523	525	525	700	870	800	750	900
W*	271	271	271	303	303	333	333	360	360	458	458	600	650	650	650	994
□X*	490	490	490	400	400	500	500	680	680	680	680	900	1200	1200	1200	1050
r*	0	0	0	0	0	0	0	0	0	0	0	300	400	400	400	400
□Y*	490	490	490	500	500	600	600	800	800	800	800	1000	1400	1400	1400	1165
e*	4-Φ26	4-Φ26	4-Φ26	4-Φ26	4-Φ26	4-Φ28	4-Φ28	4-Φ32	4-Φ32	4-Φ32	4-Φ32	8-Φ32	8-Φ34	8-Φ34	8-Φ34	8-Φ38
Dn2*	100	150	150	200	200	250	250	250	250	300	300	350	500	500	500	600

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