

Performance Curves for the 530 Series (50 Hz)

MODEL/SIZE	R.P.M.	PDF PAGE
1-1/4x1-1/2x7	1440	2
1-1/4x1-1/2x9B	1440	3
1-1/2x2x7	1440	4
1-1/2x2x9A	1440	5
1-1/2x2x9B	1440	6
1-1/2x2x12	1440	7
1-1/2x2x12	960	8
2x2-1/2x7A	1440	9
2x2-1/2x7B	1440	10
2x2-1/2x9	1440	11
2x2-1/2x12	1440	12
2x2-1/2x12	960	13
2-1/2x3x7A	1440	14
2-1/2x3x7B	1440	15
2-1/2x3x9	1440	16
2-1/2x3x12	1440	17
2-1/2x3x12	960	18
3x4x9A	1440	19
3x4x9B	1440	20
3x4x12	1440	21
3x4x12	960	22
4x4x7A	1440	23
4x4x7B	1440	24-25
4x5x9A	1440	26
4x5x9B	1440	27
6x6x9	1440	28
6x6x9	960	29



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Pentair Pump Group

1-1/4x1-1/2x7 - 1440 RPM

ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**

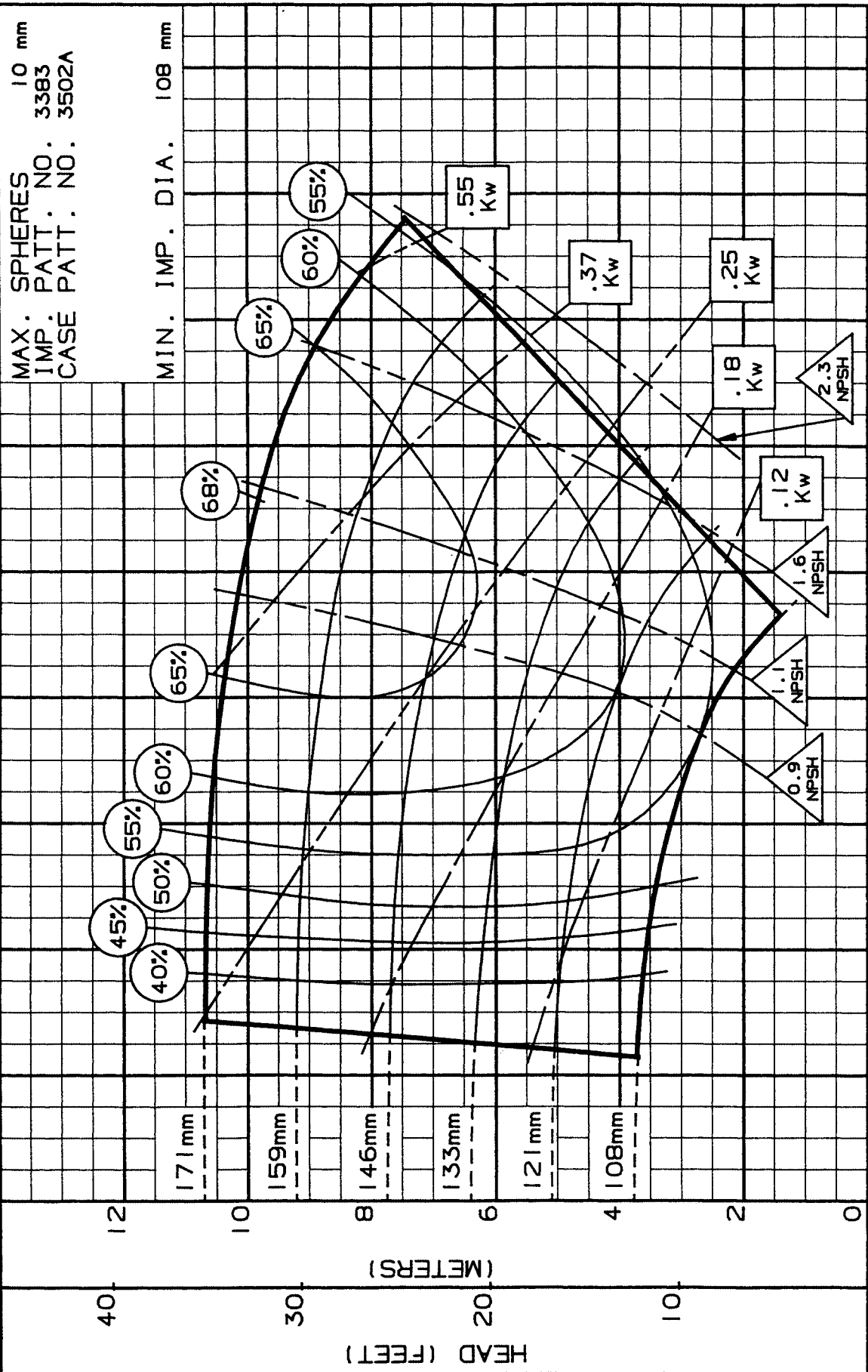
DATE **JULY 1994**

SUPERCEDES MARCH 1986

SIZE: 1 1/4x1 1/2x7 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 10 mm
IMP. PATT. NO. 3383
CASE PATT. NO. 3502A

MIN. IMP. DIA. 108 mm

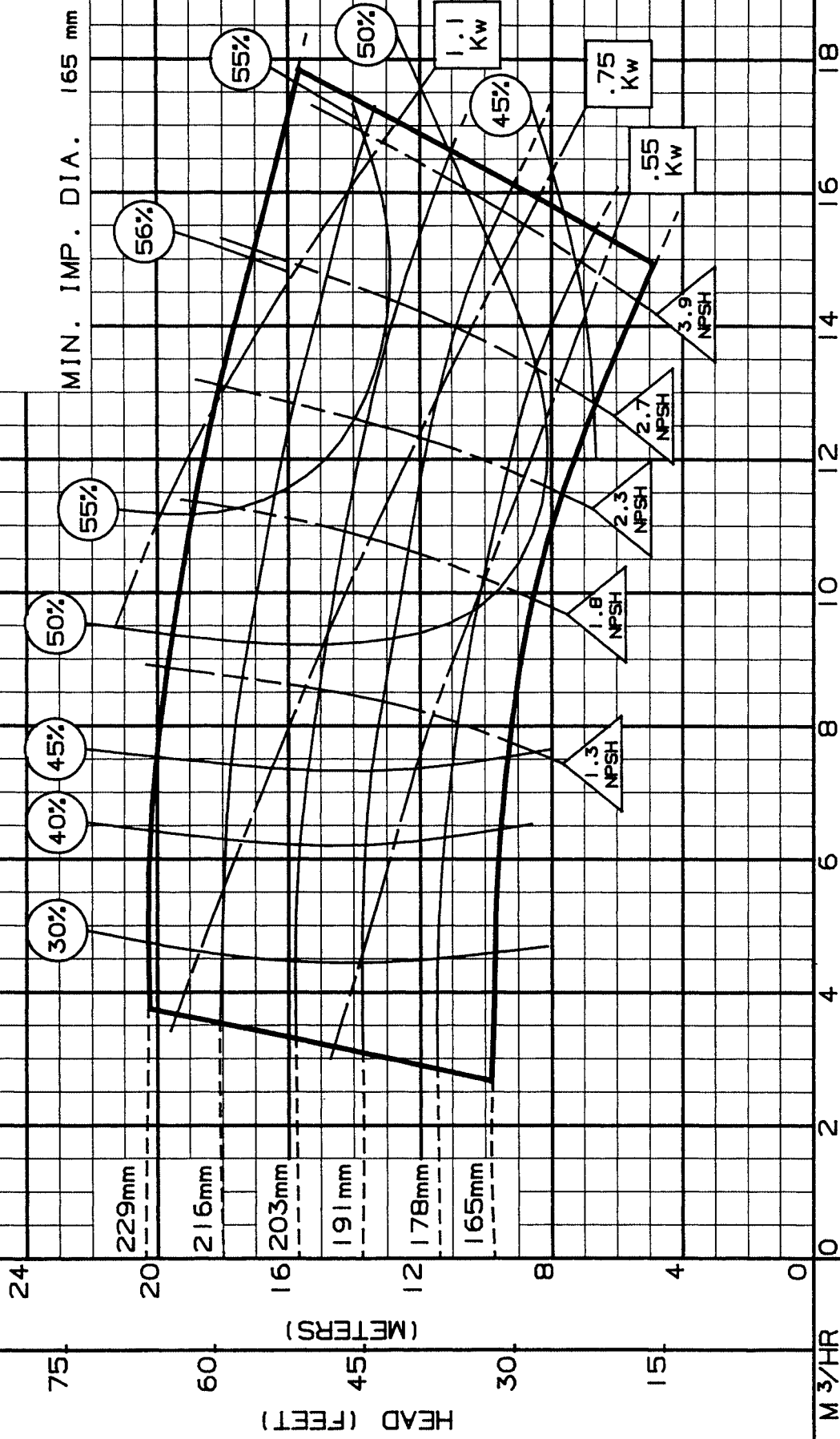


M ³ /HR	0	2	4	6	8	10	12	14	16	18
L/S	0	1	2	3	4	5	6	7	8	9
U.S. GPM	0	10	20	30	40	50	60	70	80	90
DRAWN BY: <i>RA/c</i> APPROVED BY: <i>DL</i> DATE: 7-90 PC-116273M										

SIZE: 1 1/4x1 1/2x9B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 10 mm
IMP. PATT. NO. 444A227
CASE PATT. NO. 3507A

MIN. IMP. DIA. 165 mm



DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116274M



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Pentair Pump Group

1-1/2x2x7 - 1440 RPM

ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**

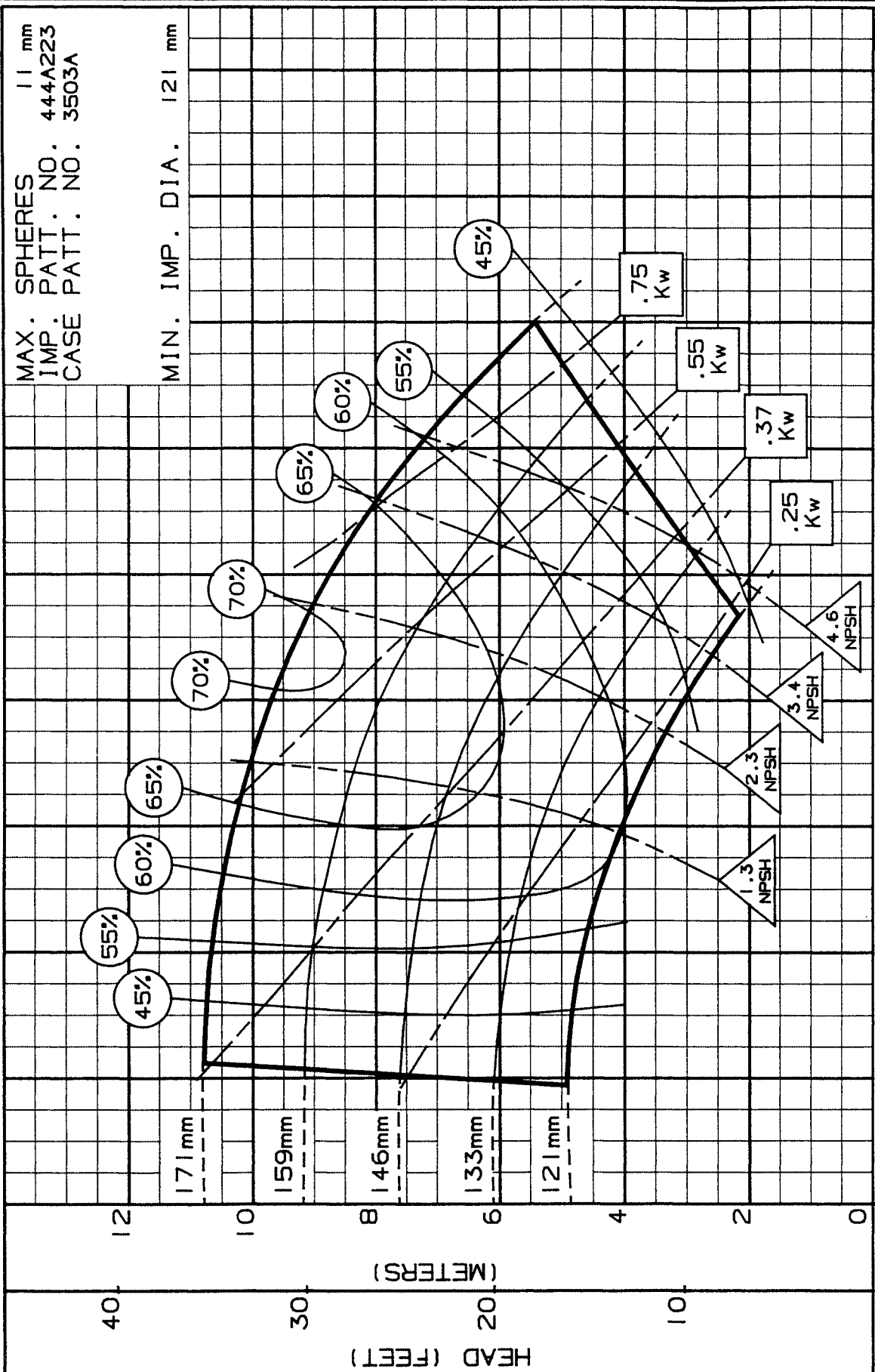
DATE **JULY 1994**

SUPERCEDES MARCH 1986

SIZE: 1 1/2X2X7 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 11 mm
IMP. PATT. NO. 444A223
CASE PATT. NO. 3503A

MIN. IMP. DIA. 121 mm



M ³ /HR	0	4	8	12	16	20	24	28	32	36
L/S										
U.S. GPM	20	40	60	80	100	120	140			
DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116276M										

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

1-1/2x2x9A - 1440 RPM

ENCLOSED IMPELLER

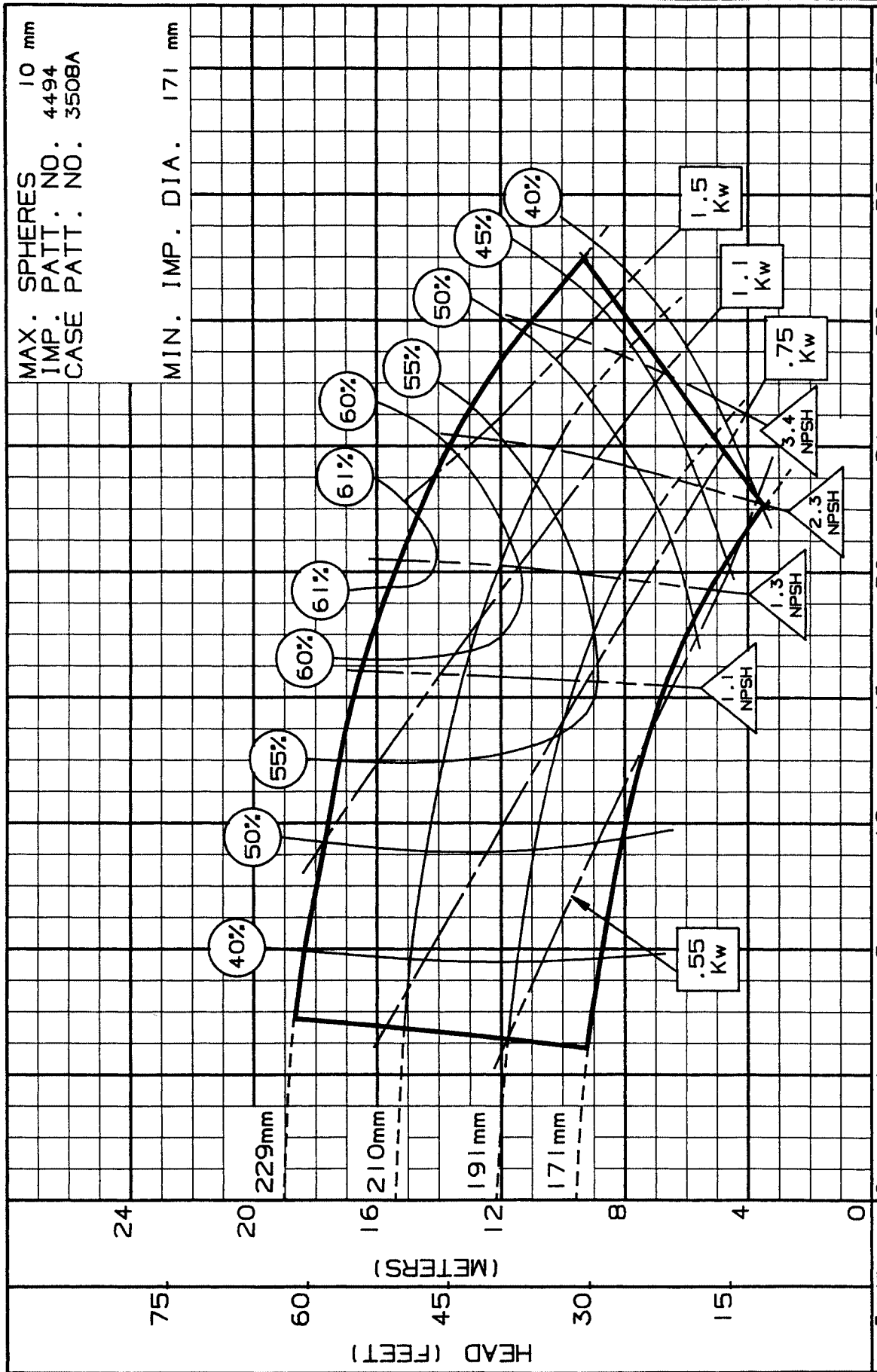
ap AURORA®

Pentair Pump Group

SIZE: 1 1/2x2x9A TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 10 mm
IMP. PATT. NO. 4494
CASE PATT. NO. 3508A

MIN. IMP. DIA. 171 mm



M ³ /HR	0	4	8	12	16	20	24	28	32	36
L/S		2	4	6	8	10	12	14	16	18
U.S. GPM	0	20	40	60	80	100	120	140		

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116331M



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1-1/2x2x9B - 1440 RPM
ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**

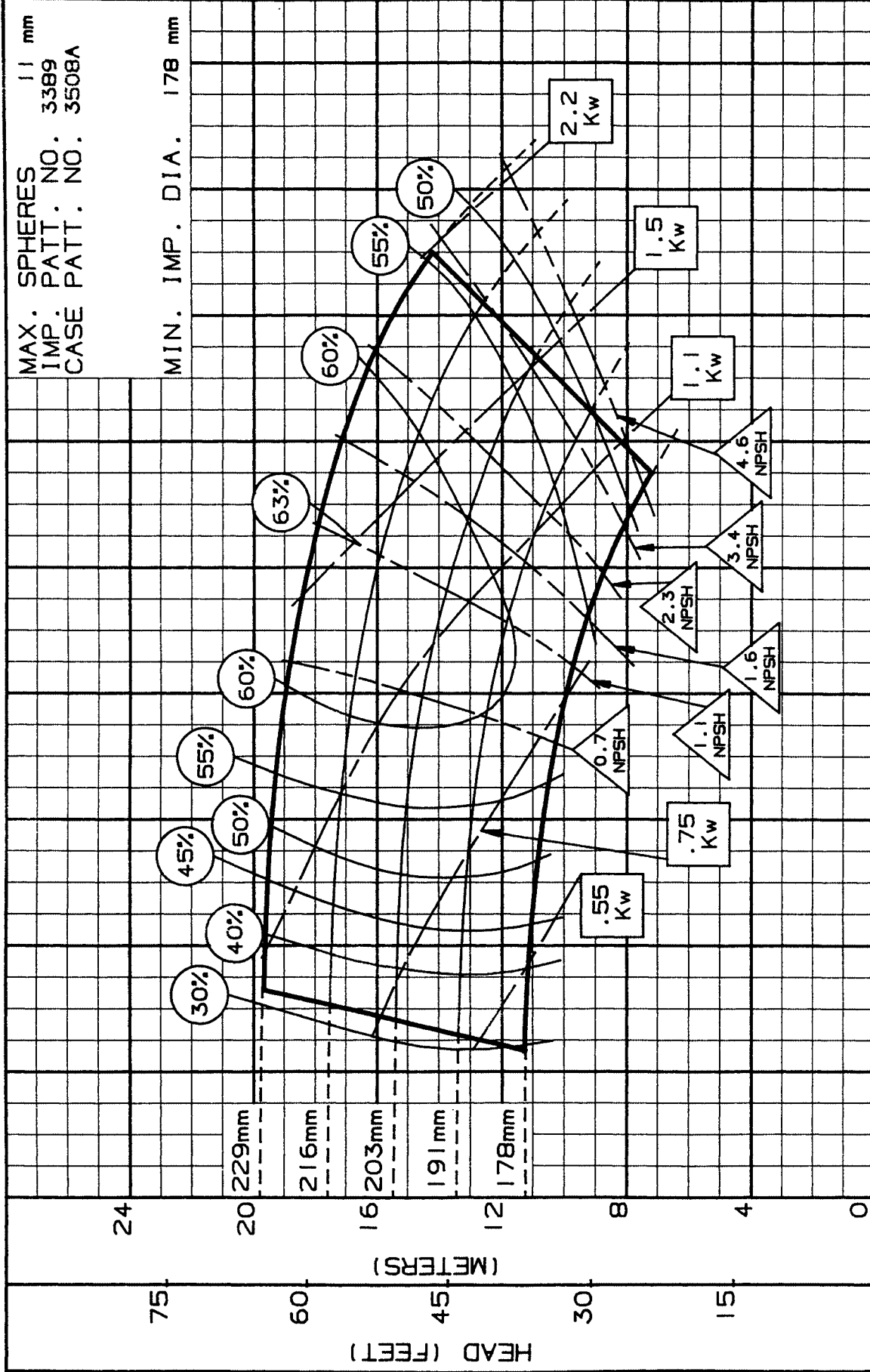
DATE **JULY 1994**

SUPERCEDES MARCH 1986

SIZE: 1 1/2x2x9B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 11 mm
IMP. PATT. NO. 3389
CASE PATT. NO. 3508A

MIN. IMP. DIA. 178 mm



M ³ /HR	0	4	8	12	16	20	24	28	32	36
L/S	0	2	4	6	8	10	12	14	16	18
U.S. GPM	0	20	40	60	80	100	120	140	160	180

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116277M

SECTION 530 (Metric 50Hz)
 DATE JULY 1994
 SUPERCEDES MARCH 1986

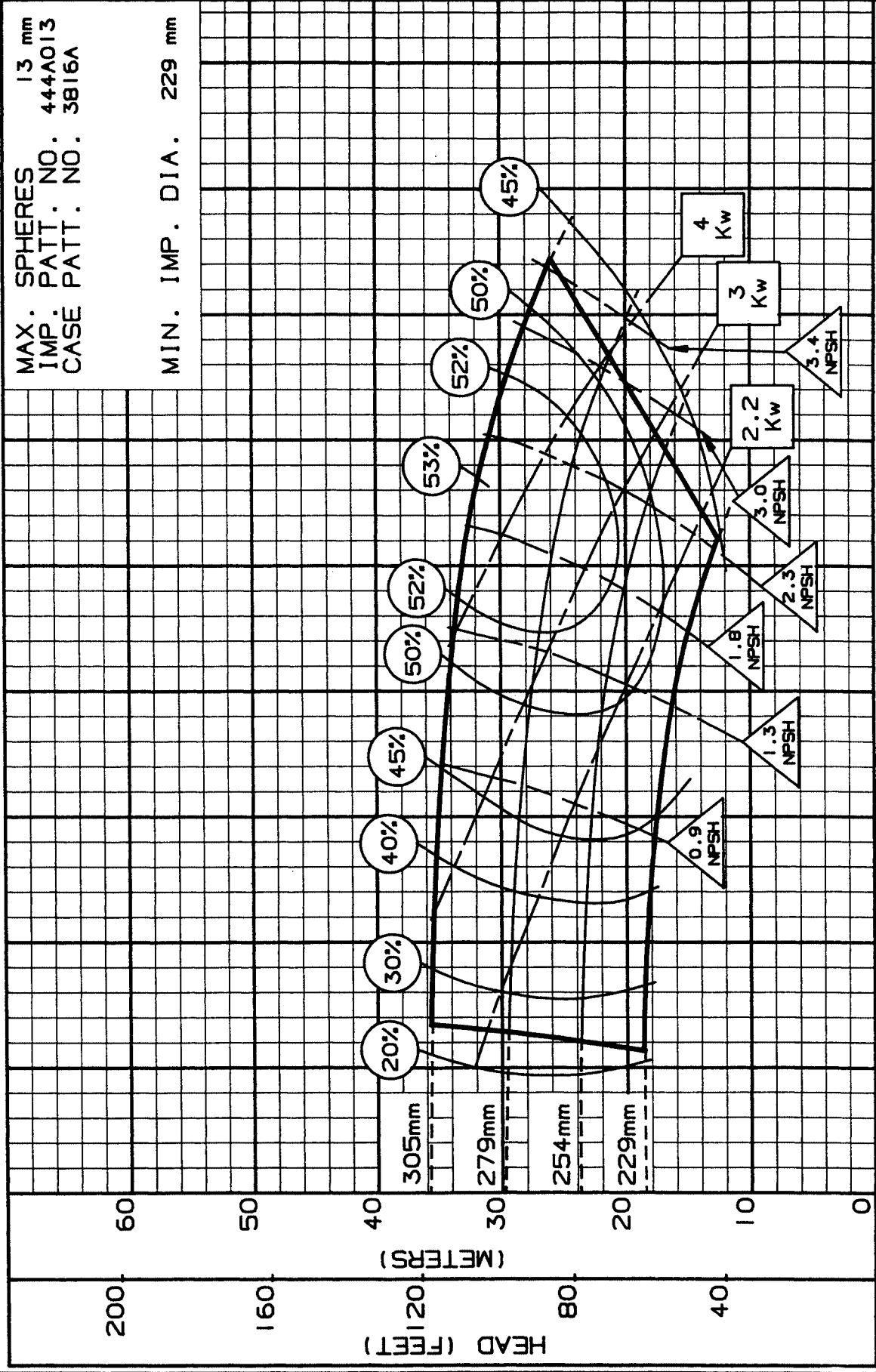
1-1/2x2x12 - 1440 RPM
 ENCLOSED IMPELLER



SIZE: 1 1/2x2x12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 13 mm
 IMP. PATT. NO. 444A013
 CASE PATT. NO. 3816A

MIN. IMP. DIA. 229 mm



M ³ /HR	0	5	10	15	20	25	30	35	40	45
L/S		2	4	6	8	10	12.5	15	17.5	
U.S. GPM		25	50	75	100	125	150	175		

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116280M



AURORA
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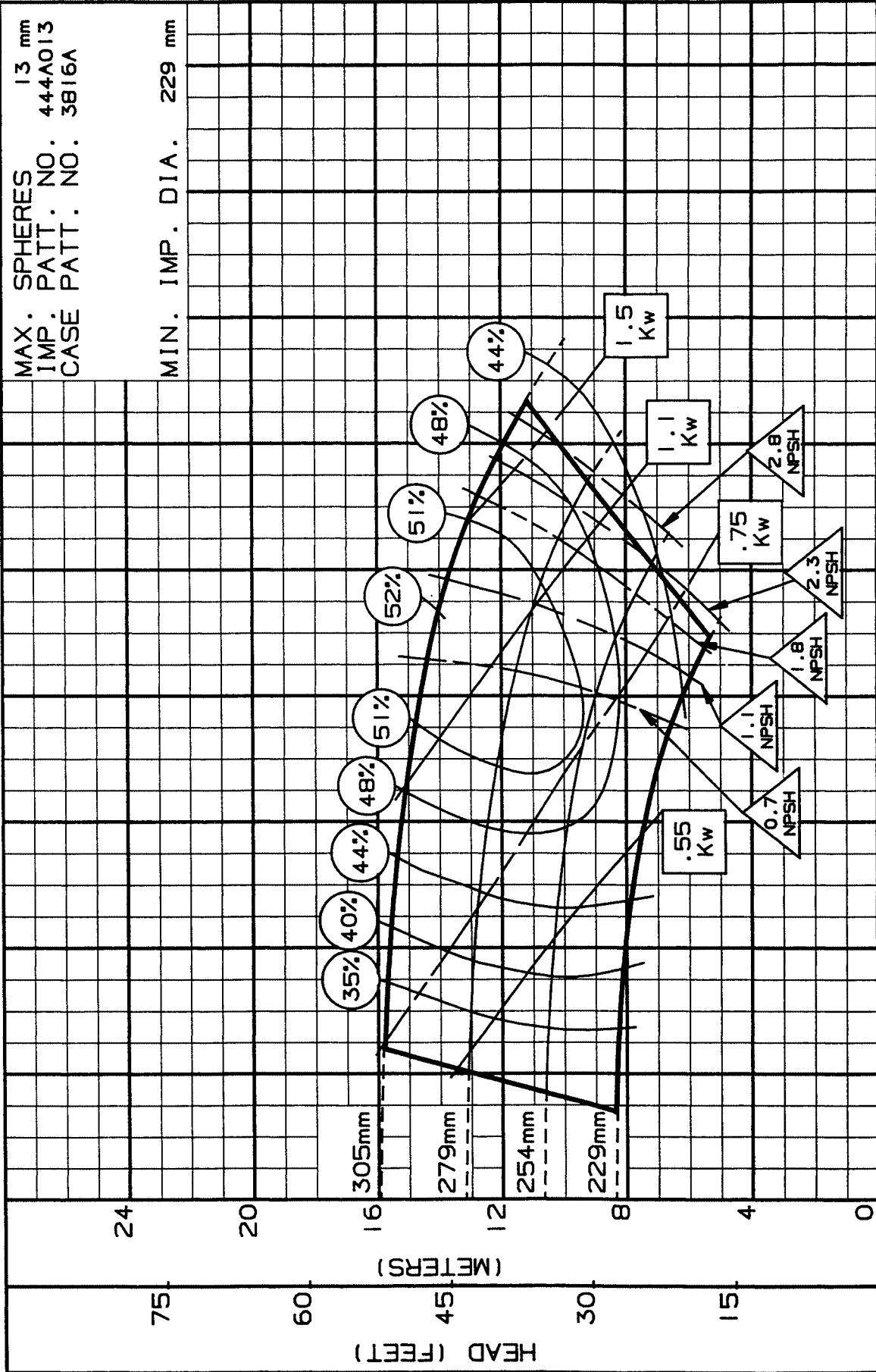
1-1/2x2x12 - 960 RPM
ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES MARCH 1986

SIZE: 1 1/2x2x12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 13 mm
IMP. PATT. NO. 444A013
CASE PATT. NO. 3816A

MIN. IMP. DIA. 229 mm



M ³ /HR	0	4	8	12	16	20	24	28	32	36
L/S		2	4	6	8	10	12	14	16	18
U.S. GPM	0	20	40	60	80	100	120	140	160	180

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116281M

SECTION 530 (Metric 50Hz)

DATE JULY 1994

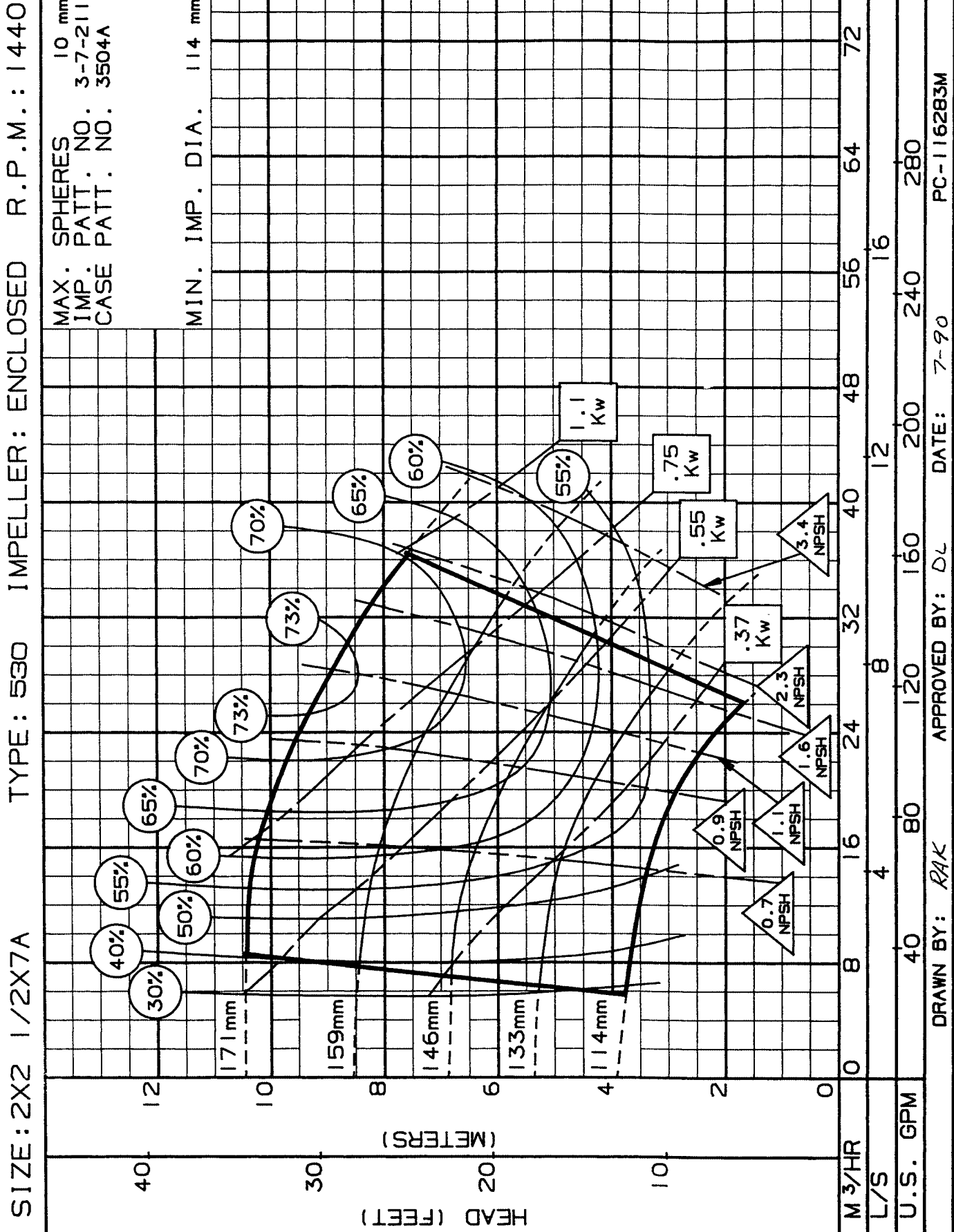
SUPERCEDES MARCH 1986

2x2-1/2x7A - 1440 RPM

ENCLOSED IMPELLER

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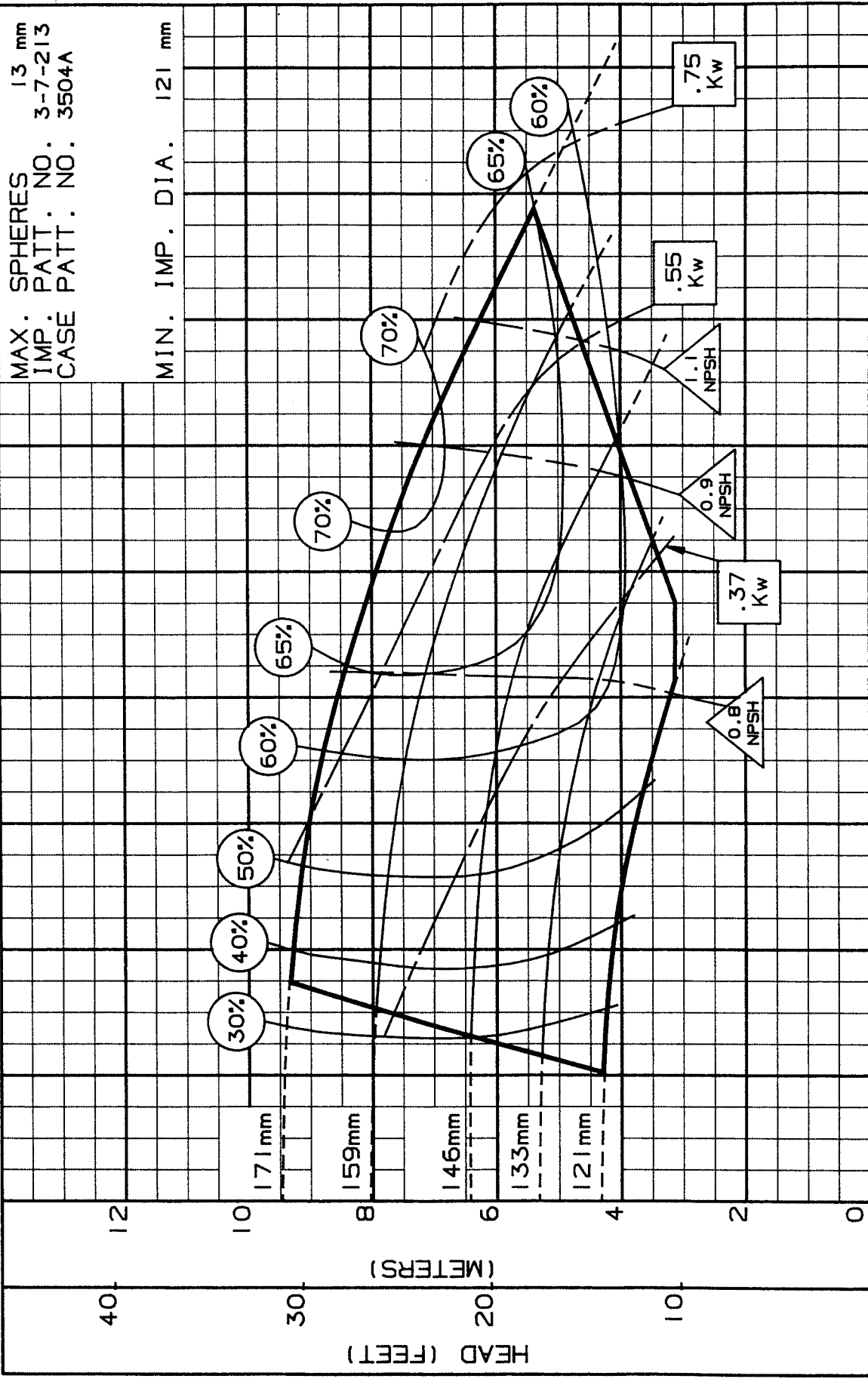
2x2-1/2x7B - 1440 RPM
ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES MARCH 1986

SIZE: 2X2 1/2X7B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 13 mm
IMP. PATT. NO. 3-7-213
CASE PATT. NO. 3504A

MIN. IMP. DIA. 121 mm



M³/HR 0 20 40 60 80 100 120 140 36

L/S 0 2 4 6 8

U.S. GPM 0 20 40 60 80 100 120 140

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116285M

SECTION 530 (Metric 50Hz)
 DATE JULY 1994
 SUPERCEDES MARCH 1986

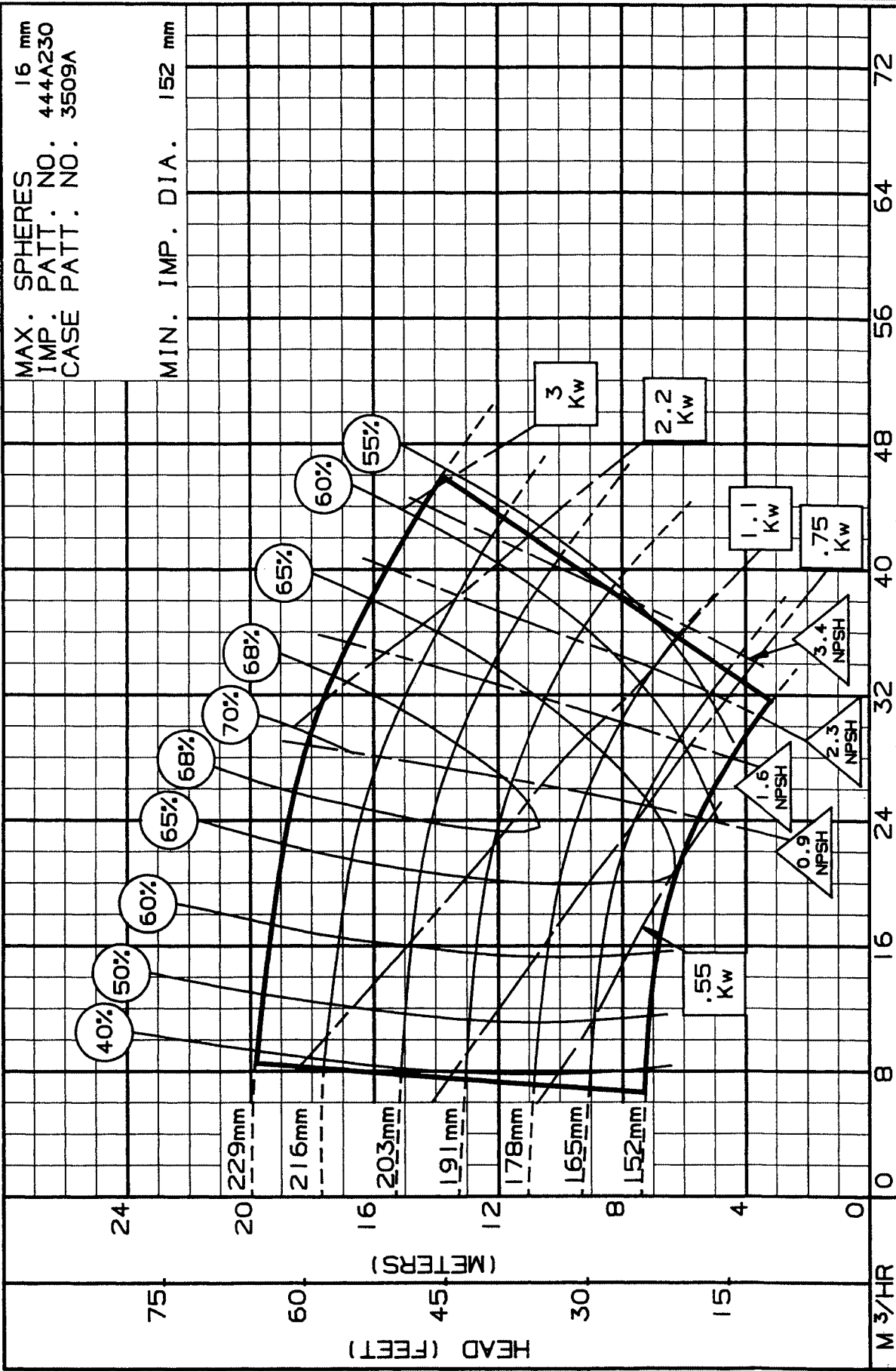
2x2-1/2x9 - 1440 RPM
 ENCLOSED IMPELLER



SIZE: 2X2 1/2X9 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 16 mm
 IMP. PATT. NO. 444A230
 CASE PATT. NO. 3509A

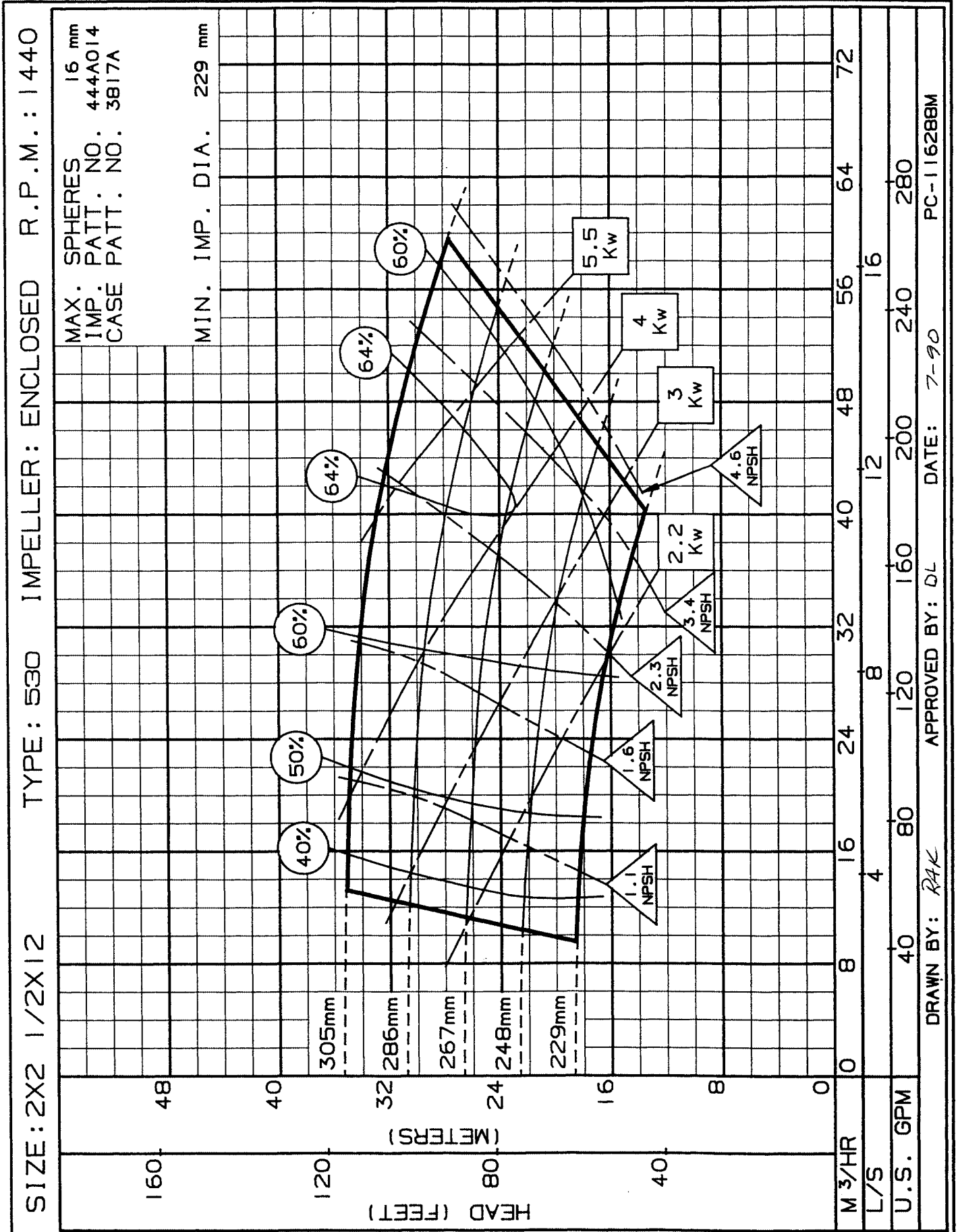
MIN. IMP. DIA. 152 mm



M³/HR 0 8 16 24 32 40 48 56 64 72
 L/S 0 4 8 12 16

U.S. GPM 40 80 120 160 200 240 280

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116287M



SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

2-2-1/2x12 - 960 RPM

ENCLOSED IMPELLER

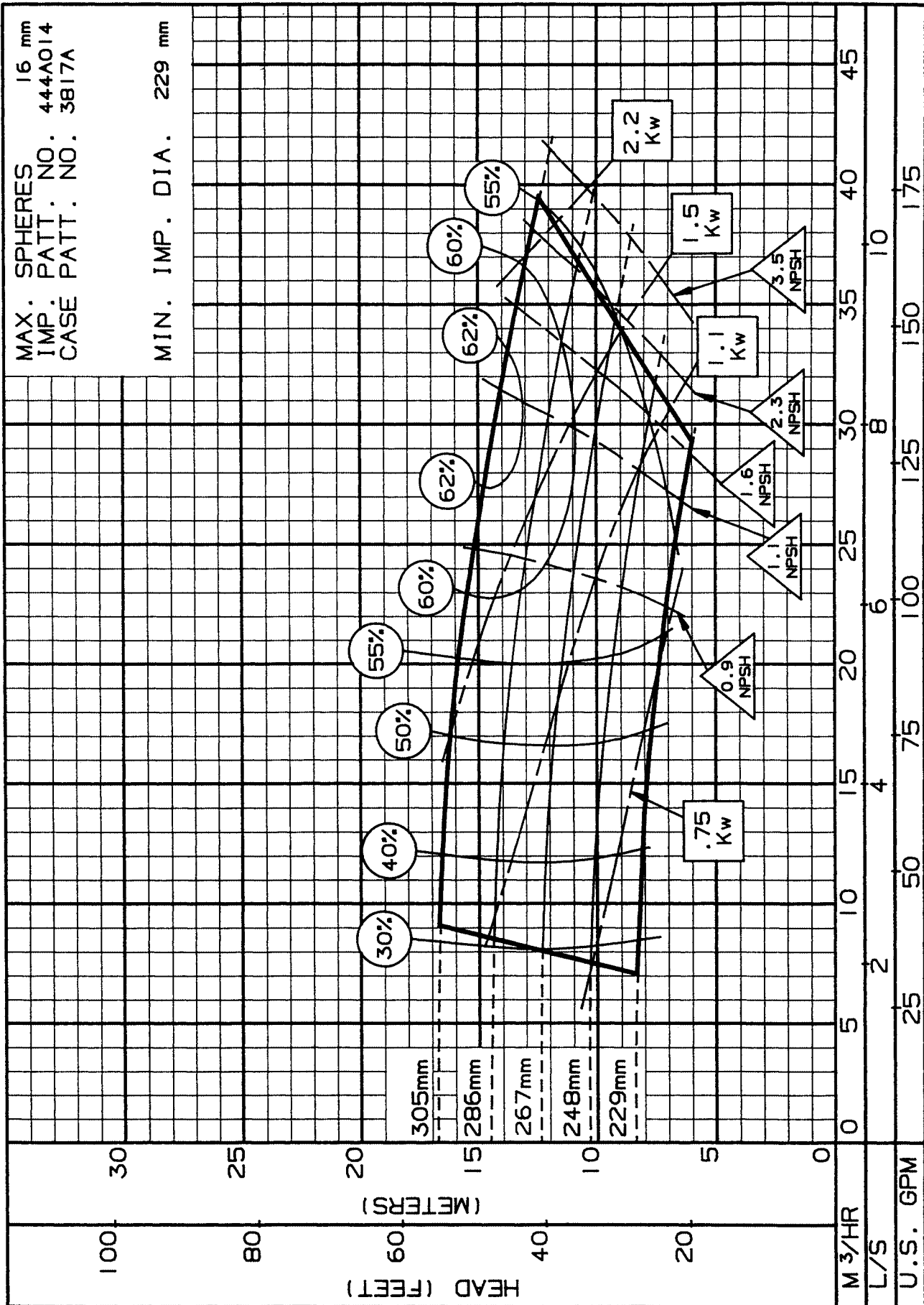
ap AURORA®

Pentair Pump Group

SIZE: 2X2 1/2X12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 16 mm
IMP. PATT. NO. 444A014
CASE PATT. NO. 3817A

MIN. IMP. DIA. 229 mm



DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116289M



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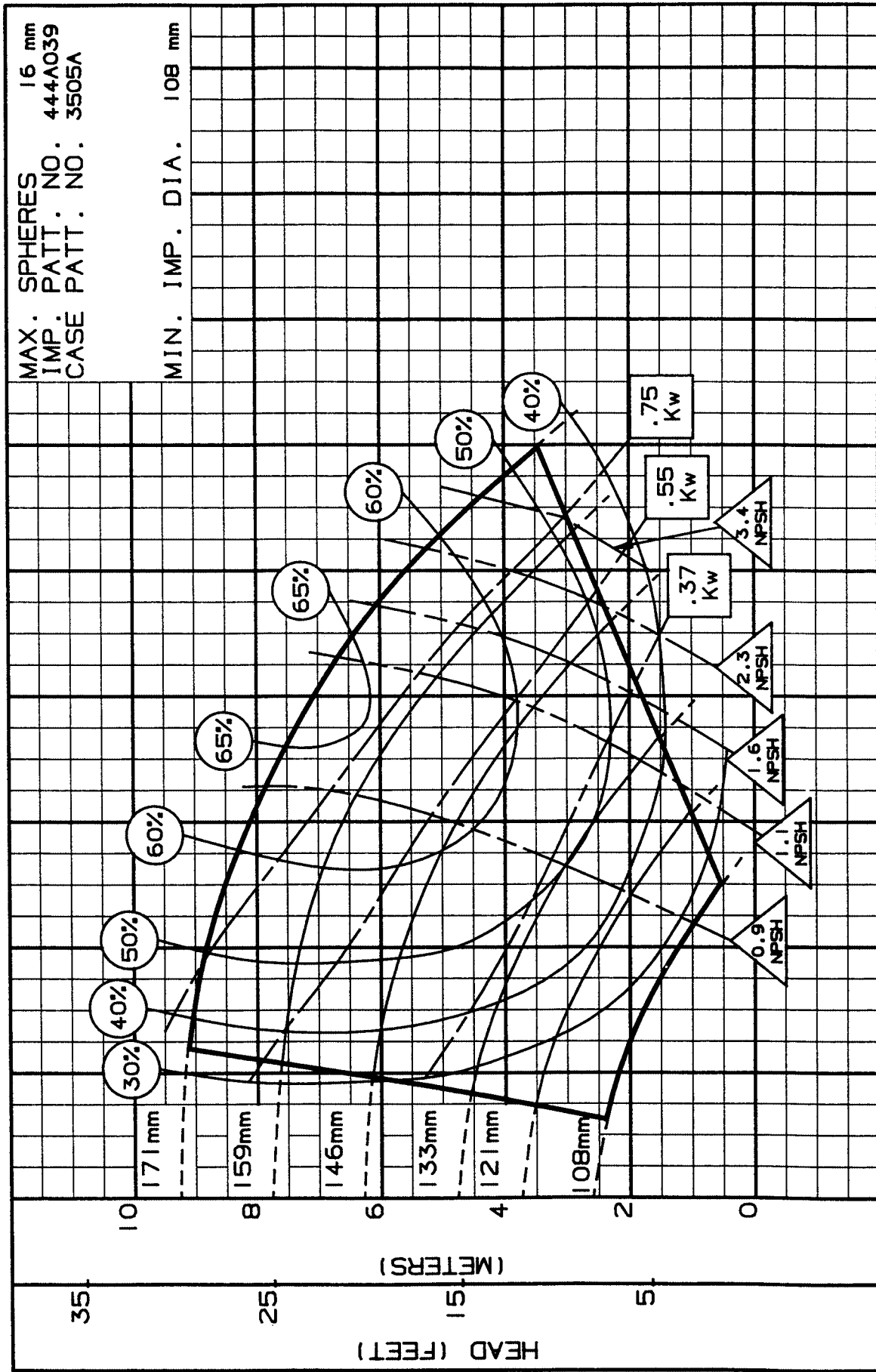
2-1/2x3x7A - 1440 RPM
ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES MARCH 1986

SIZE: 2 1/2x3x7A TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 16 mm
IMP. PATT. NO. 444A039
CASE PATT. NO. 3505A

MIN. IMP. DIA. 108 mm



M ³ /HR	0	8	16	24	32	40	48	56	64	72
L/S		4	8	12	16	20	24	28	32	36
U.S. GPM	40	80	120	160	200	240	280			

DRAWN BY: *Rax* APPROVED BY: *DL* DATE: 7-90 PC-116291M

SECTION 530 (Metric 50Hz)
 DATE JULY 1994
 SUPERCEDES MARCH 1986

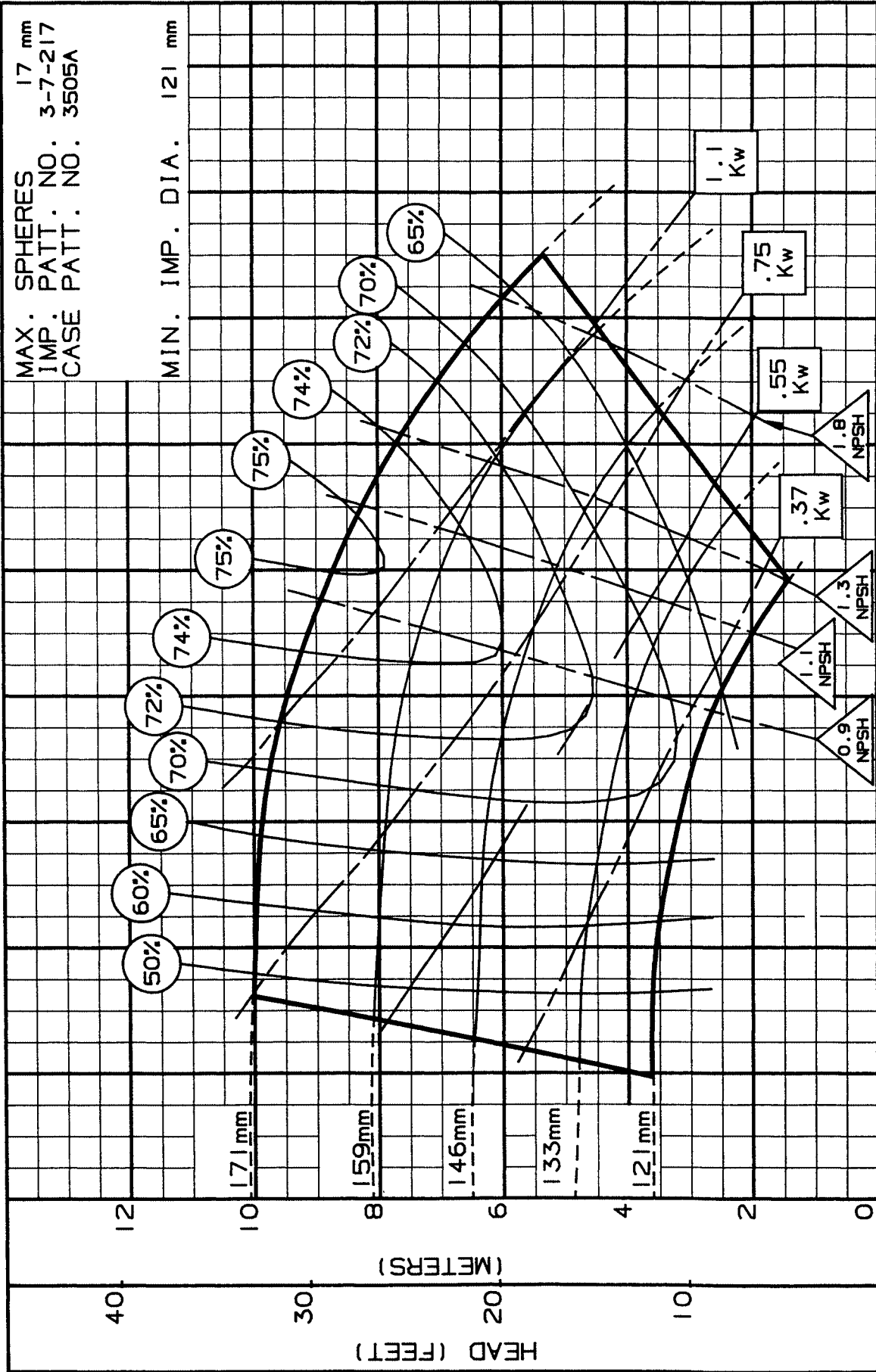
2-1/2x3x7B - 1440 RPM
 ENCLOSED IMPELLER



SIZE: 2 1/2x3x7B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 17 mm
 IMP. PATT. NO. 3-7-217
 CASE PATT. NO. 3505A

MIN. IMP. DIA. 121 mm



M³/HR 0 8 16 24 32 40 48 56 64 72

L/S 4 8 12 16

U.S. GPM 40 80 120 160 200 240 280

DRAWN BY: *RAK* APPROVED BY: DL DATE: 7-90 PC-116293M



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2-1/2x3x9 - 1440 RPM

ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**

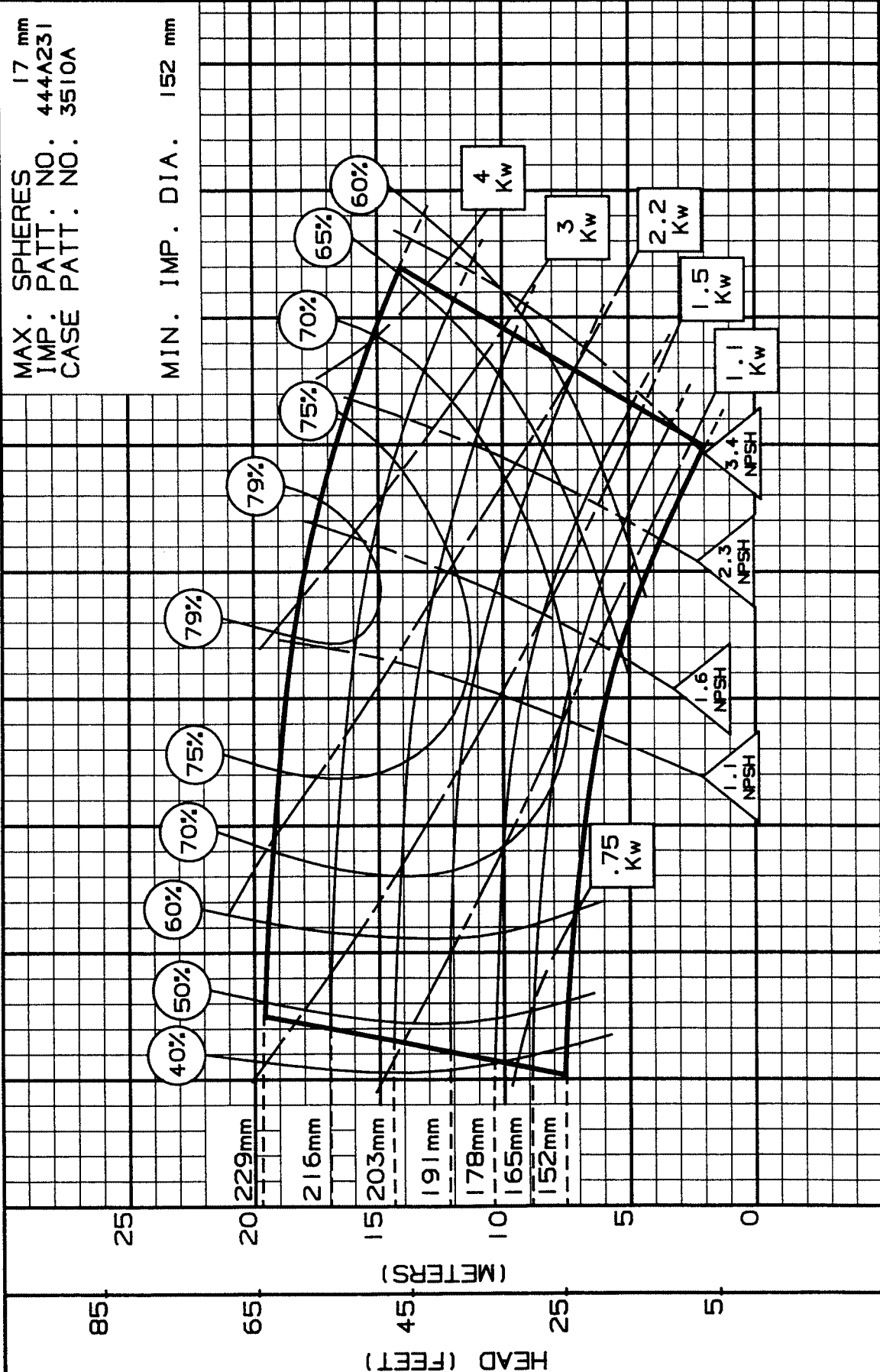
DATE **JULY 1994**

SUPERCEDES MARCH 1986

SIZE: 2 1/2x3x9 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 17 mm
IMP. PATT. NO. 444A231
CASE PATT. NO. 3510A

MIN. IMP. DIA. 152 mm



M ³ /HR	0	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	
L/S																									
U.S. GPM	50	100	150	200	250	300	350																		

DRAWN BY: *RAK* APPROVED BY: *DL* DATE: *7-90* PC-116295M

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

2-1/2x3x12 - 1440 RPM

ENCLOSED IMPELLER

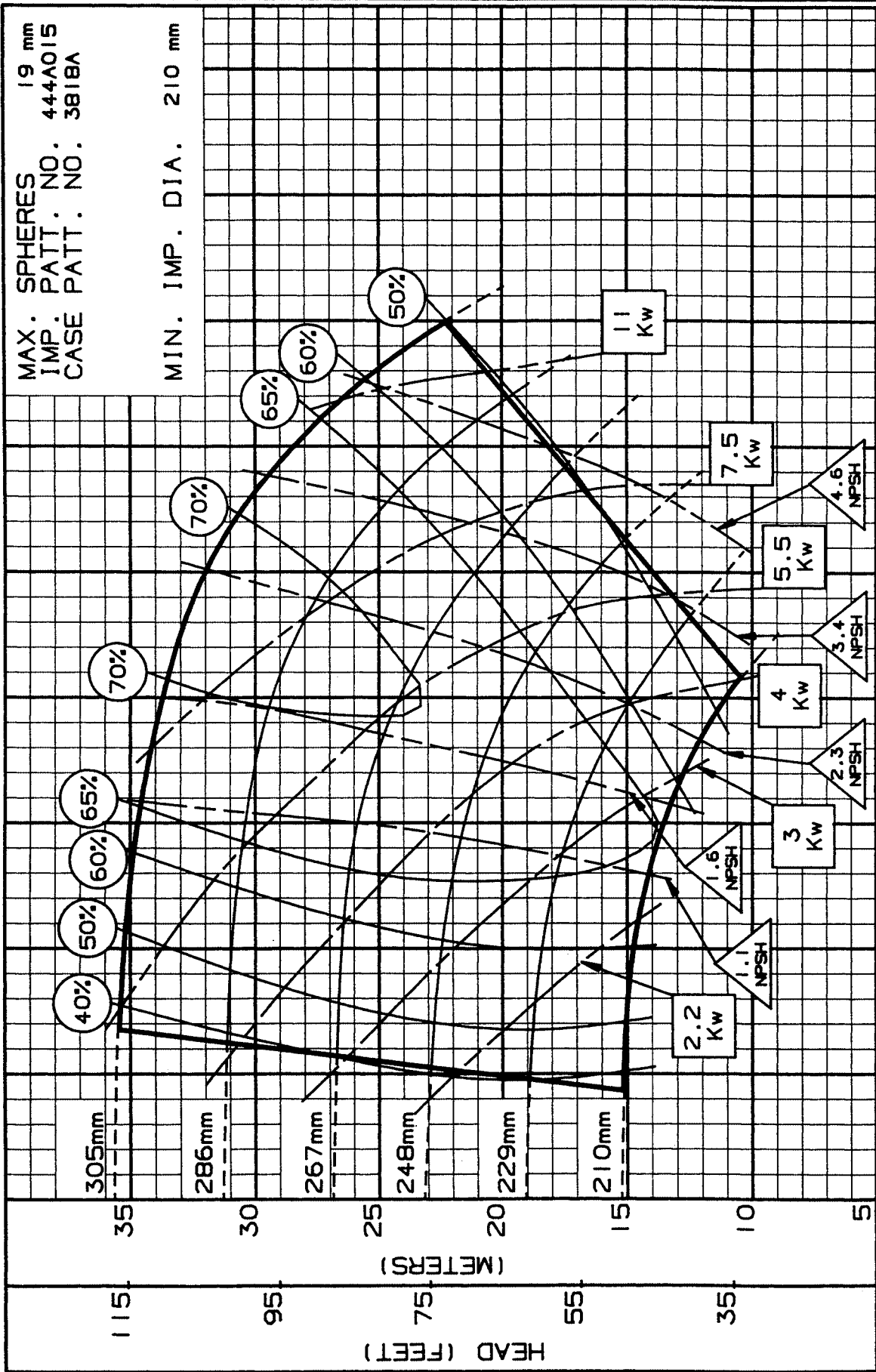


Pentair Pump Group

SIZE: 2 1/2x3x12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 19 mm
IMP. PATT. NO. 444A015
CASE PATT. NO. 3818A

MIN. IMP. DIA. 210 mm



M ³ /HR	0	15	30	45	60	75	90	105	120	135
L/S	0	5	10	15	20	25	30	35	40	45
U.S. GPM	0	75	150	225	300	375	450	525	600	675

DRAWN BY: RAK APPROVED BY: DL DATE: 7-90 PC-116296M



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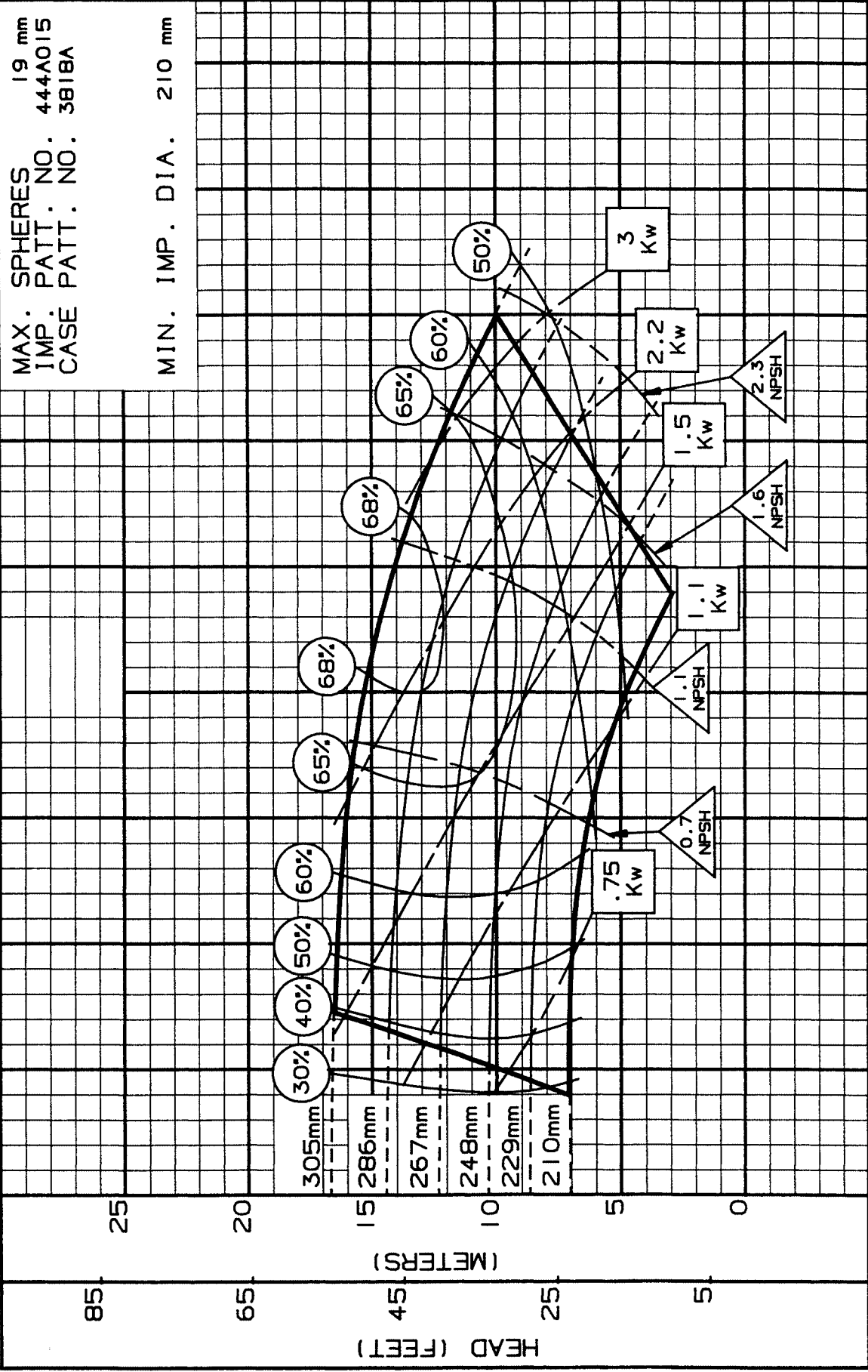
2-1/2x3x12 - 960 RPM
ENCLOSED IMPELLER

SECTION **530 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES MARCH 1986

SIZE: 2 1/2x3x12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 19 mm
IMP. PATT. NO. 444A015
CASE PATT. NO. 3818A

MIN. IMP. DIA. 210 mm



M ³ /HR	0	10	20	30	40	50	60	70	80	90
L/S	4	8	12	16	20	24	28	32	36	40
U.S. GPM	50	100	150	200	250	300	350	400	450	500

DRAWN BY: *RAK* APPROVED BY: *DL* DATE: 7-90 PC-116297M

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

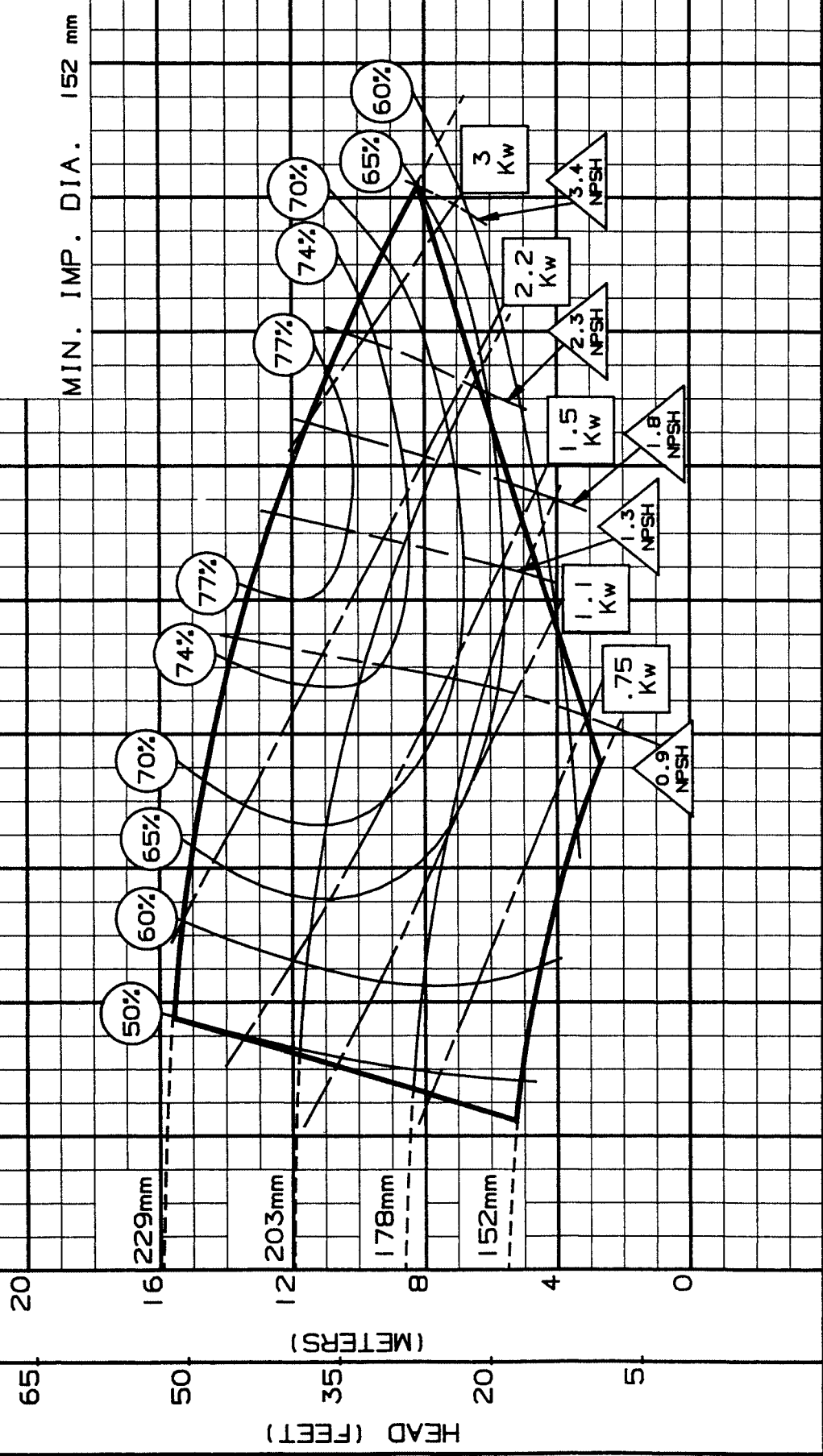
3x4x9A - 1440 RPM ENCLOSED IMPELLER



SIZE: 3X4X9A TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 21 mm
IMP. PATT. NO. 444A232
CASE PATT. NO. 180A322

MIN. IMP. DIA. 152 mm



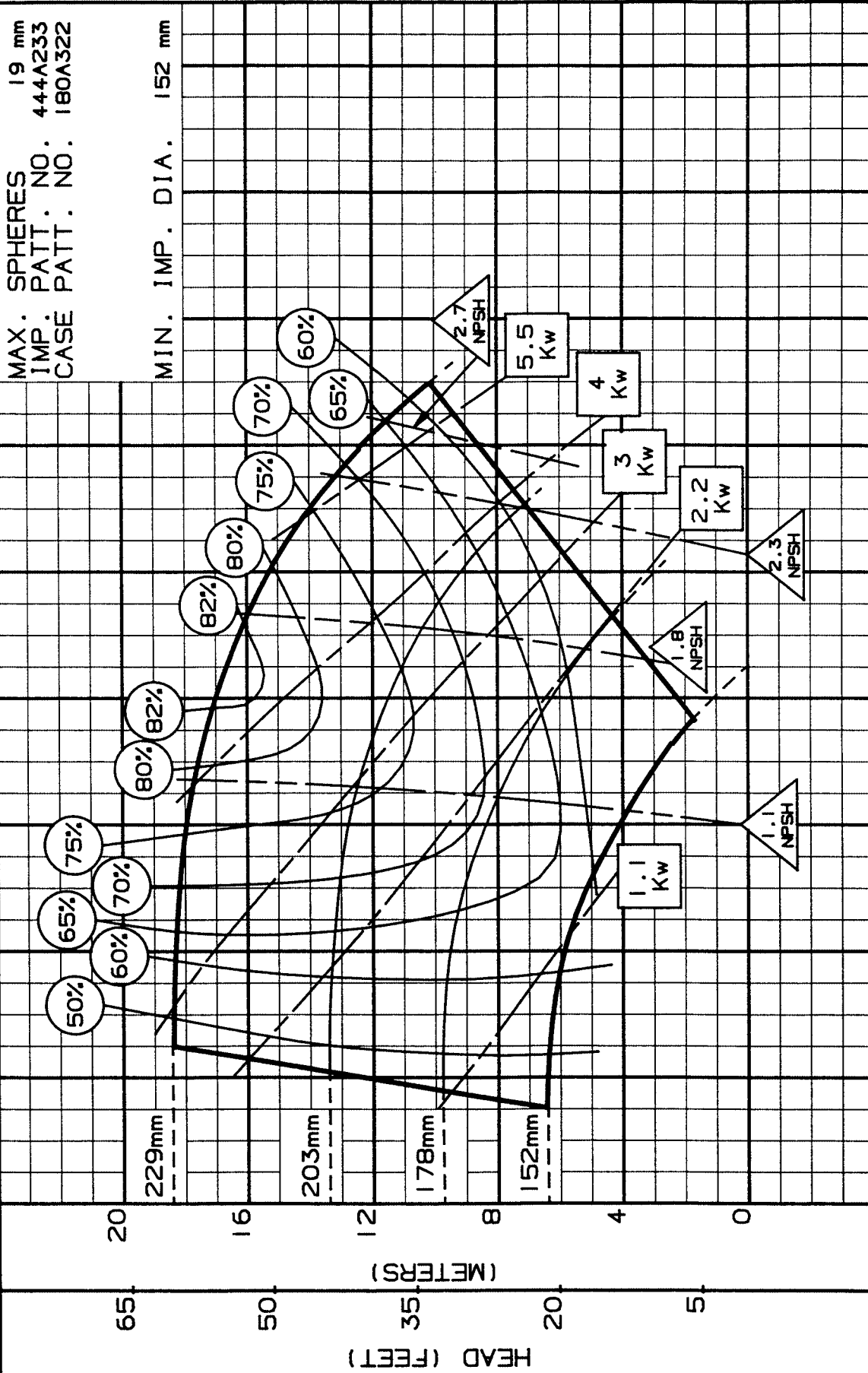
M ³ /HR	0	12	24	36	48	60	72	84	96	108
L/S	4	8	12	16	20	24	28	32	36	40
U.S. GPM	60	120	180	240	300	360	420	480	540	600

DRAWN BY: *RAK* APPROVED BY: *DL* DATE: 7-90 PC-142438M

SIZE: 3X4X9B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 19 mm
IMP. PATT. NO. 444A233
CASE PATT. NO. 180A322

MIN. IMP. DIA. 152 mm



M ³ /HR	0	20	30	40	50	60	70	80	90	100	120	140	160	180
L/S		10	15	20	25	30	35	40	45	50	60	70	80	90
U.S. GPM	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300

DRAWN BY: *RAE* APPROVED BY: *DL* DATE: *7-90* PC-142440M

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

3x4x12 - 1440 RPM

ENCLOSED IMPELLER

ap AURORA®

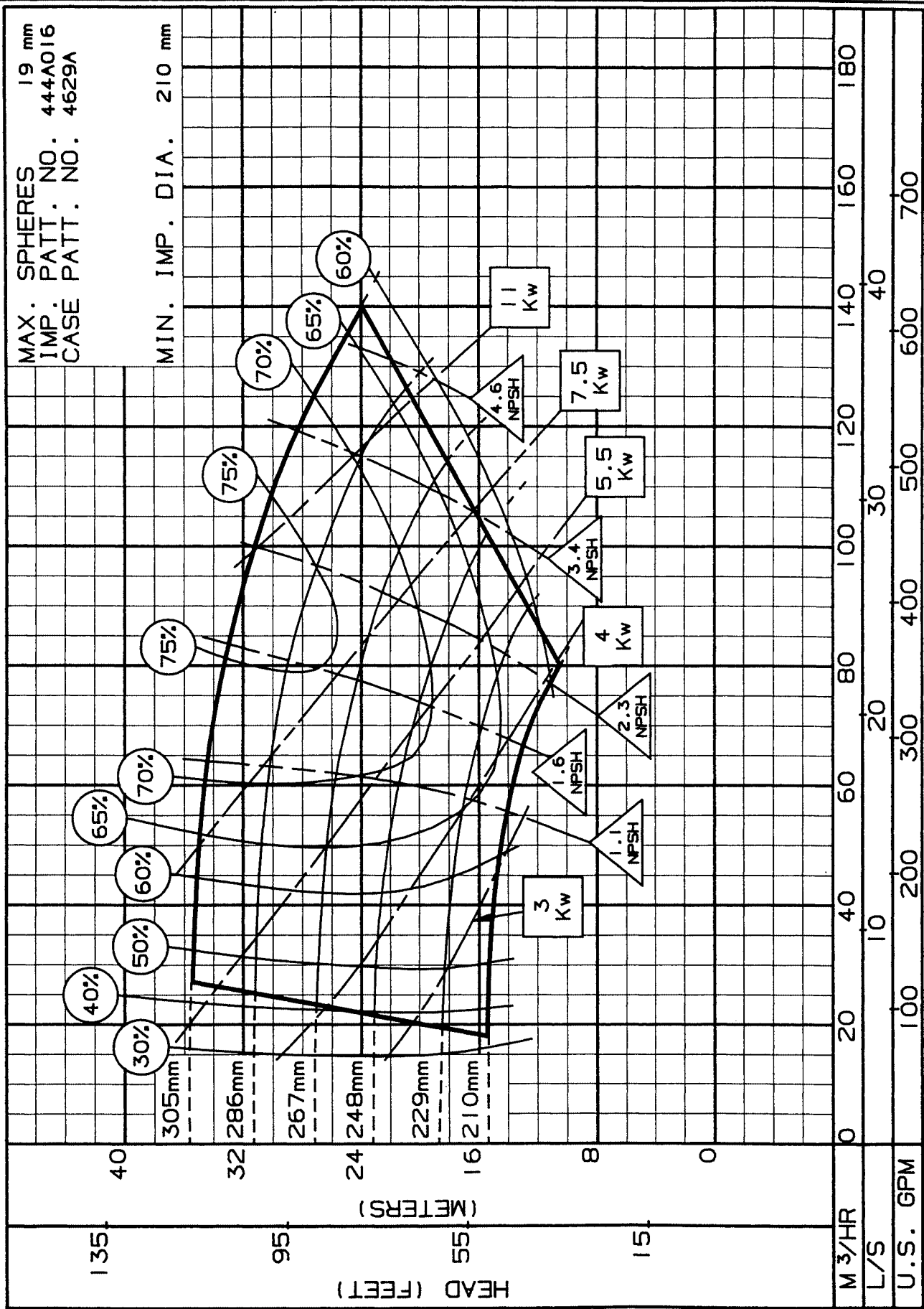
Pentair Pump Group

TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

SIZE: 3X4X12

MAX. SPHERES 19 mm
IMP. PATT. NO. 444A016
CASE PATT. NO. 4629A

MIN. IMP. DIA. 210 mm

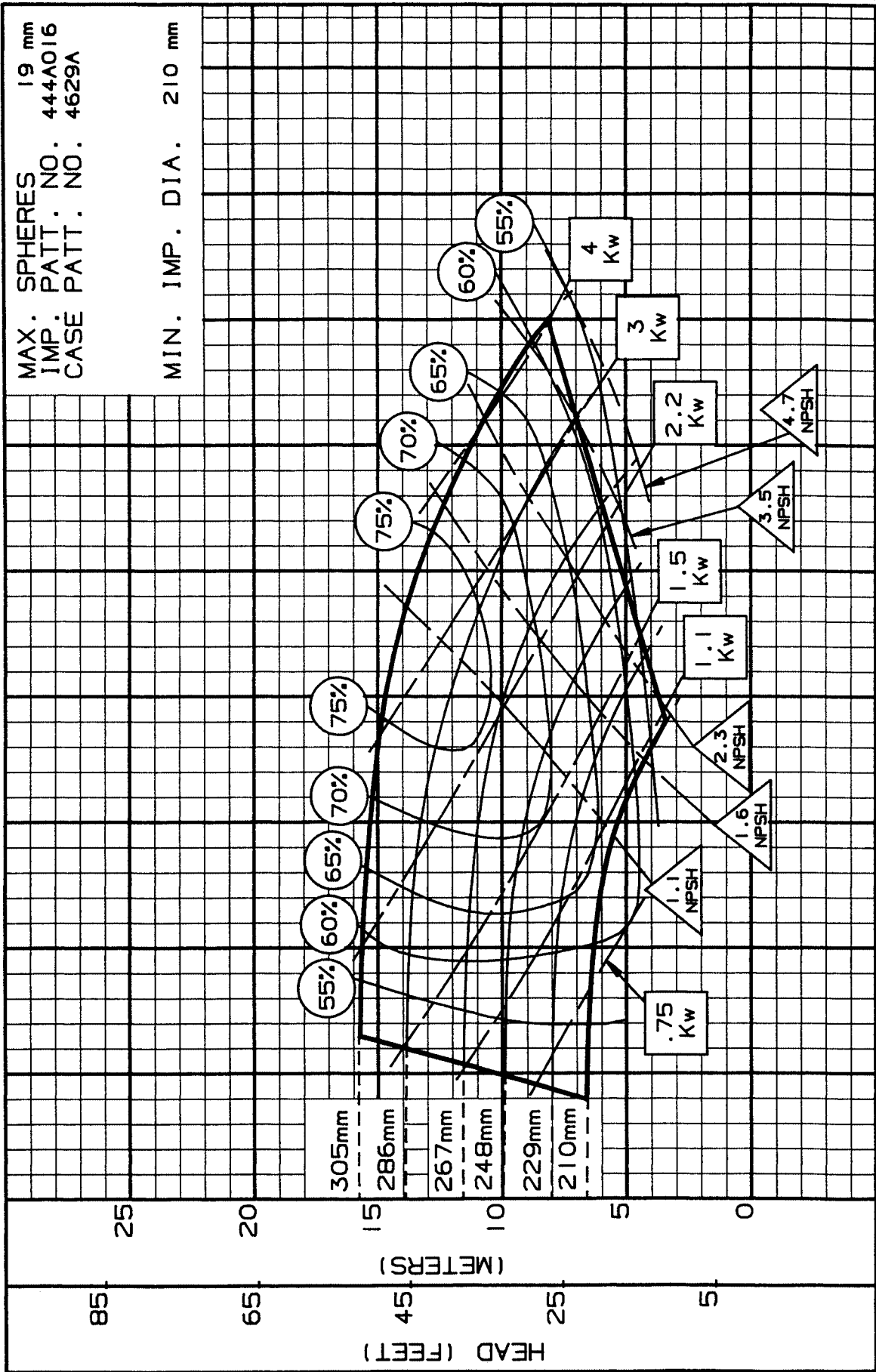


DRAWN BY: RAH/CL APPROVED BY: DL DATE: 7-90 PC-116303M

SIZE: 3X4X12 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 19 mm
IMP. PATT. NO. 444A016
CASE PATT. NO. 4629A

MIN. IMP. DIA. 210 mm



M ³ /HR	0	15	30	45	60	75	90	105	120	135
L/S	75	150	225	300	375	450	525			
U.S. GPM										
DRAWN BY: <i>RAYC</i> APPROVED BY: <i>DL</i> DATE: 7-90 PC-116304M										

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

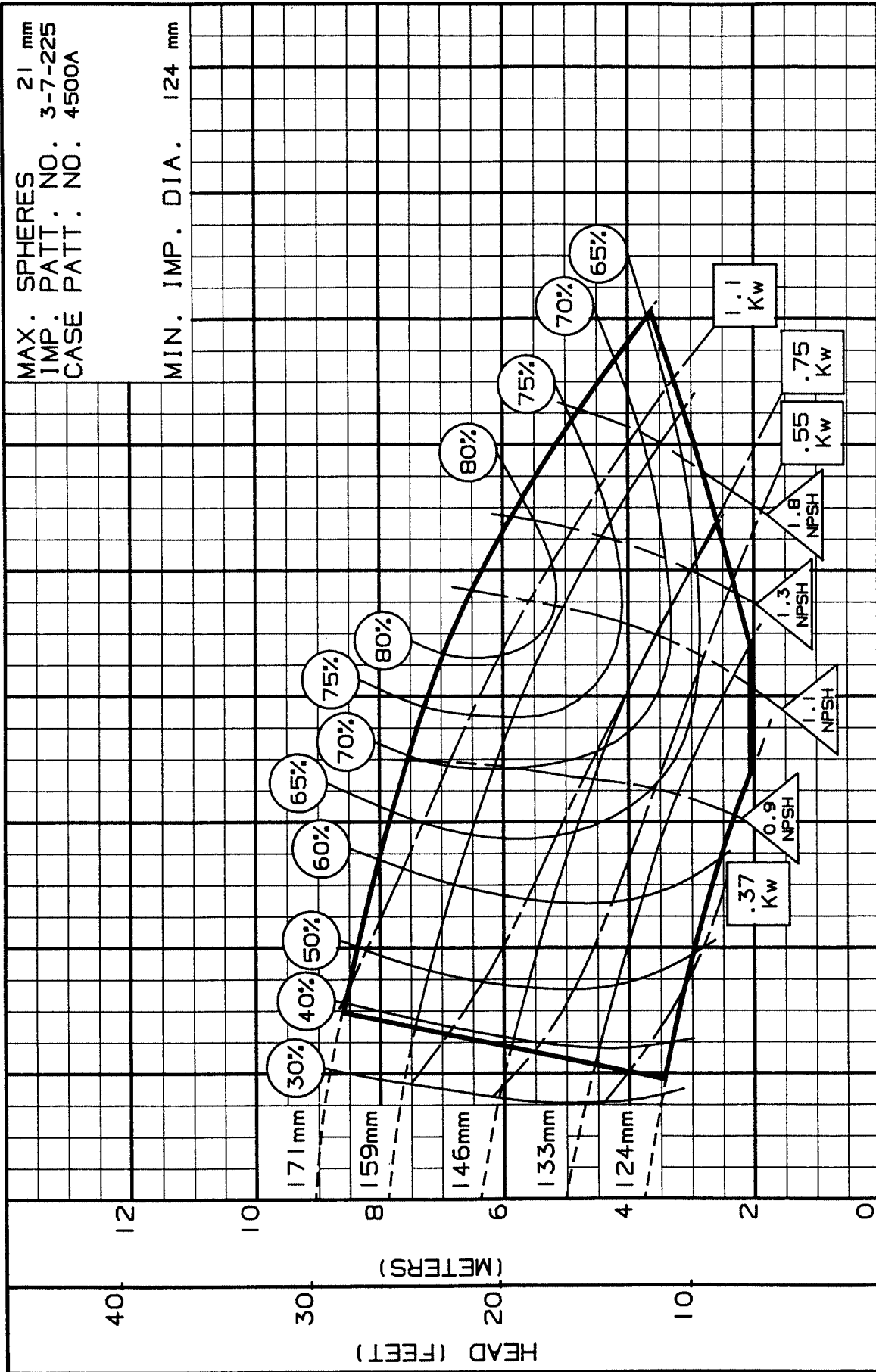
4x4x7A - 1440 RPM ENCLOSED IMPELLER



SIZE: 4X4X7A TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 21 mm
IMP. PATT. NO. 3-7-225
CASE PATT. NO. 4500A

MIN. IMP. DIA. 124 mm



M ³ /HR	0	12	24	36	48	60	72	84	96	108
L/S	4	8	12	16	20	24	28	32	36	40
U.S. GPM	60	120	180	240	300	360	420	480	540	600

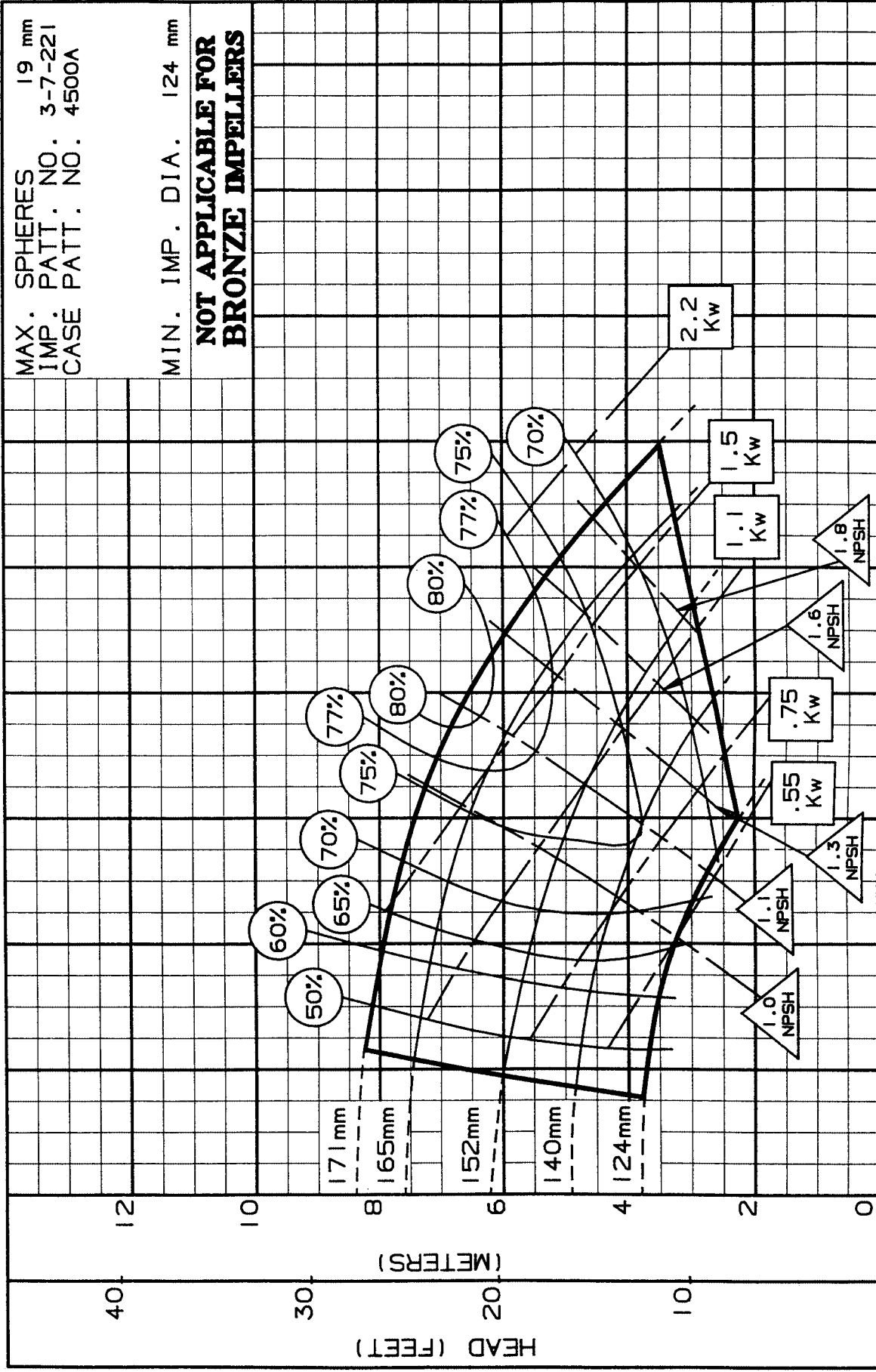
DRAWN BY: *SAZ* APPROVED BY: *DL* DATE: 7-90 PC-116306M

SIZE: 4X4X7B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 19 mm
IMP. PATT: NO. 3-7-221
CASE PATT: NO. 4500A

MIN. IMP. DIA. 124 mm

**NOT APPLICABLE FOR
BRONZE IMPELLERS**



M ³ /HR	0	20	40	60	80	100	120	140	160	180
L/S	0	10	20	30	40	50	60	70	80	90
U.S. GPM	0	100	200	300	400	500	600	700	800	900

DRAWN BY: *PAK* APPROVED BY: *DL* DATE: *7-92* PC-116308M

SECTION 530 (Metric 50Hz)
 DATE JULY 1994
 SUPERCEDES MARCH 1986

4x4x7B - 1440 RPM
 ENCLOSED IMPELLER

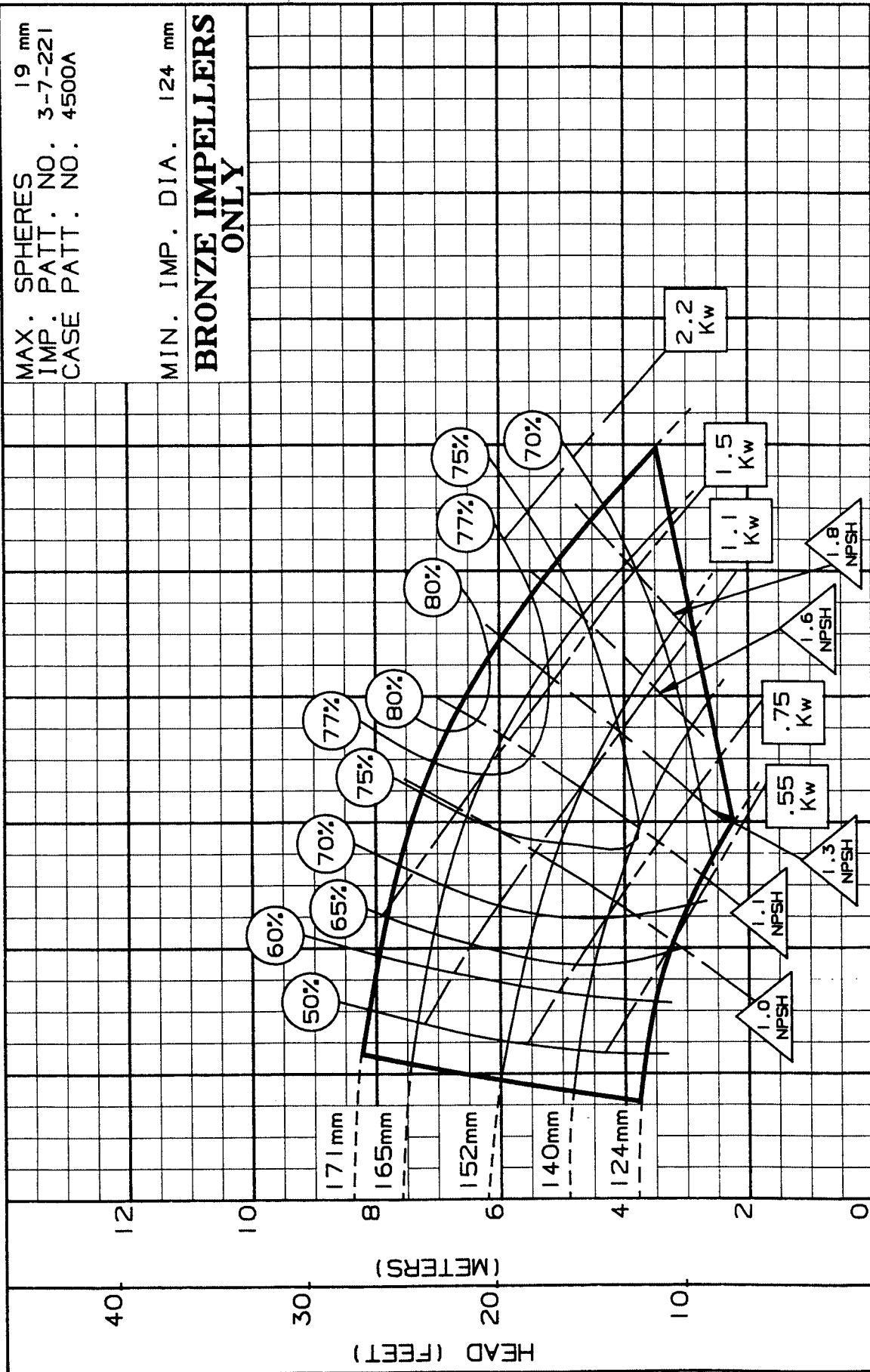


SIZE: 4X4X7B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 19 mm
 IMP. PATT. NO. 3-7-221
 CASE PATT. NO. 4500A

MIN. IMP. DIA. 124 mm

BRONZE IMPELLERS ONLY



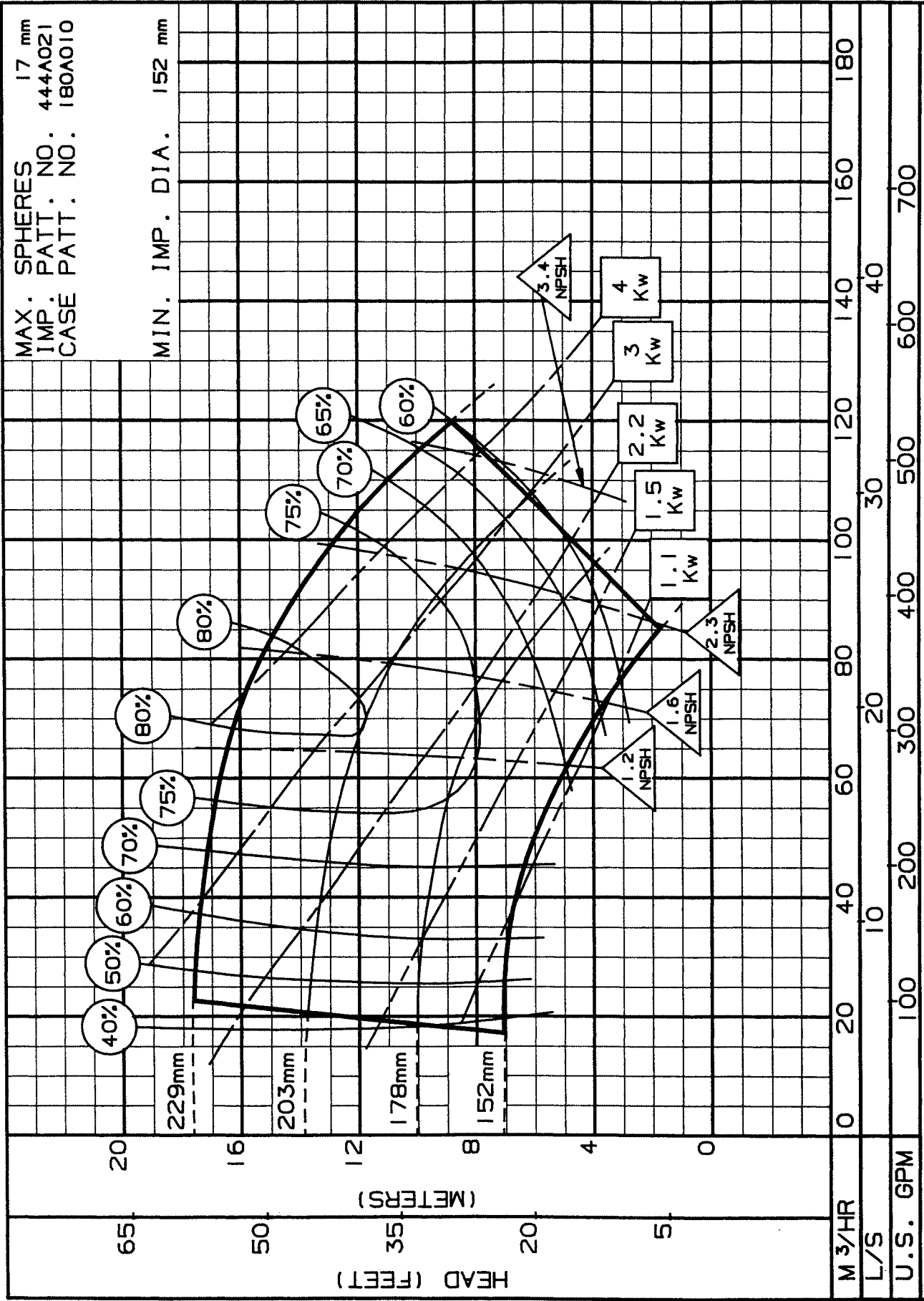
M ³ /HR	0	20	40	60	80	100	120	140	160	180
L/S	0	10	20	30	40	50	60	70	80	90
U.S. GPM	0	100	200	300	400	500	600	700	800	900

DRAWN BY: *RAC* APPROVED BY: DL DATE: 7-92 PC-11630BAM

SIZE: 4X5X9A TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 17 mm
IMP. PATT: NO. 444A021
CASE PATT: NO. 180A010

MIN. IMP. DIA. 152 mm



DRAWN BY: *ATL* APPROVED BY: DL DATE: 7-90 PC-116310M

SECTION 530 (Metric 50Hz)
 DATE JULY 1994
 SUPERCEDES MARCH 1986

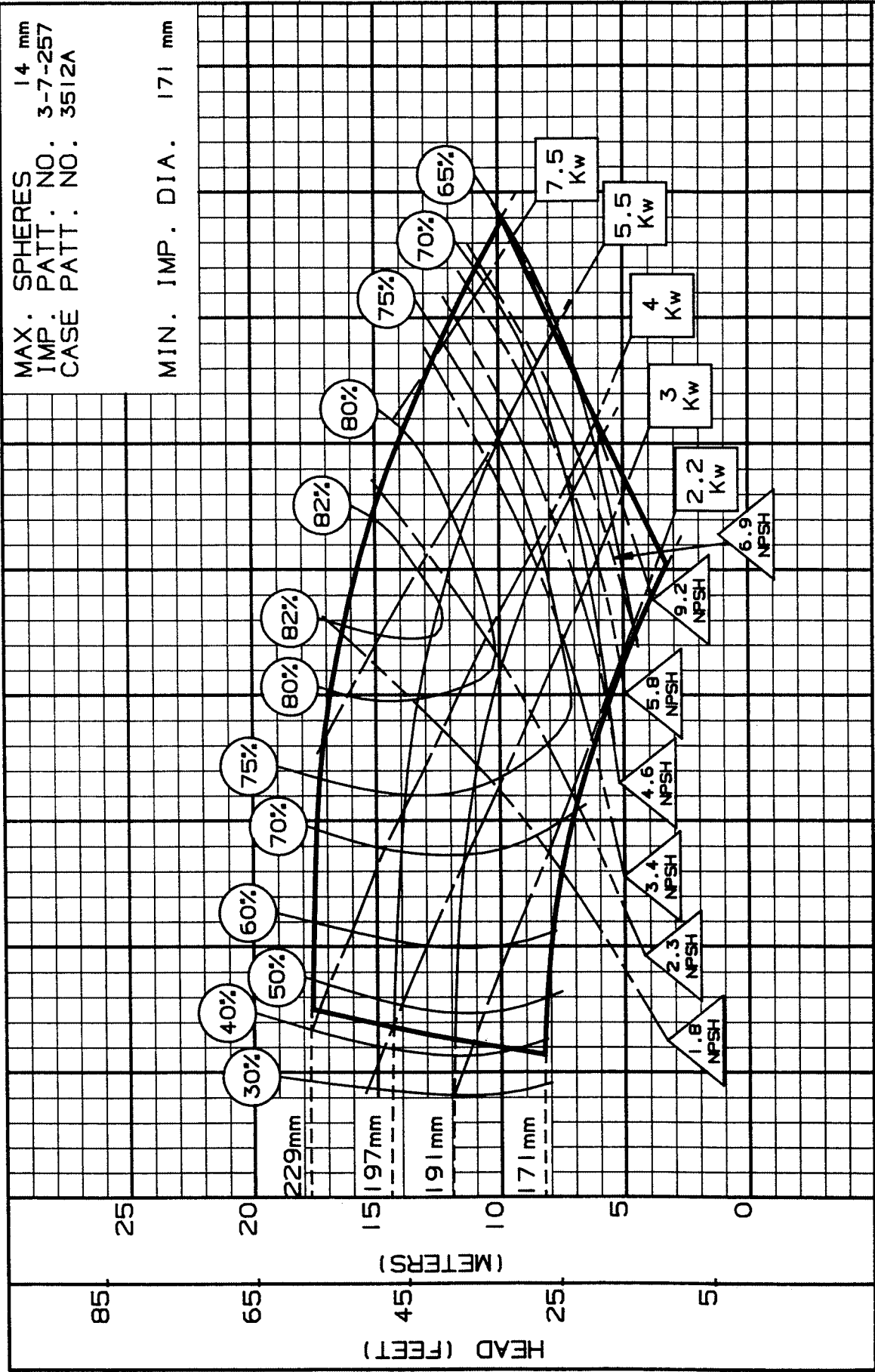
4x5x9B - 1440 RPM
 ENCLOSED IMPELLER



SIZE: 4X5X9B TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 14 mm
 IMP. PATT: NO. 3-7-257
 CASE PATT: NO. 3512A

MIN. IMP. DIA. 171 mm



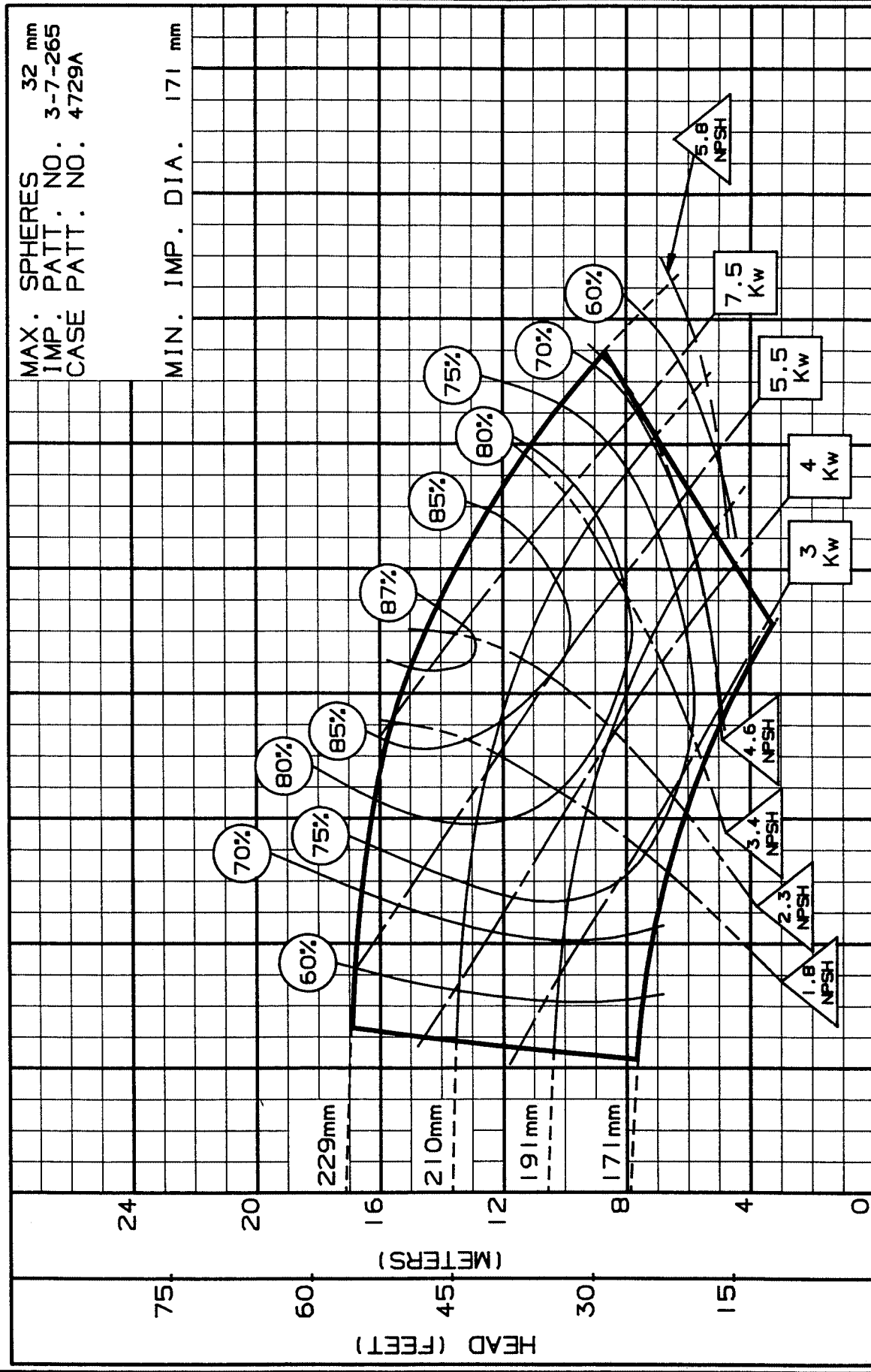
M ³ /HR	0	25	50	75	100	125	150	175	200	225
L/S	0	10	20	30	40	50	60	70	80	90
U.S. GPM	0	150	300	450	600	750	900	1050	1200	1350

DRAWN BY: *ATL* APPROVED BY: DL DATE: 7-90 PC-116311M

SIZE: 6X6X9 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 32 mm
IMP. PATT: NO. 3-7-265
CASE PATT: NO. 4729A

MIN. IMP. DIA. 171 mm



M ³ /HR	0	40	80	120	160	200	240	280	320	360
L/S	15	30	45	60	75	90	100	120	140	1400
U.S. GPM	200	400	600	800	1000	1200	1400	1400	1400	1400

DRAWN BY: *RATL* APPROVED BY: DL DATE: 7-92 PC-116316M

SECTION 530 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

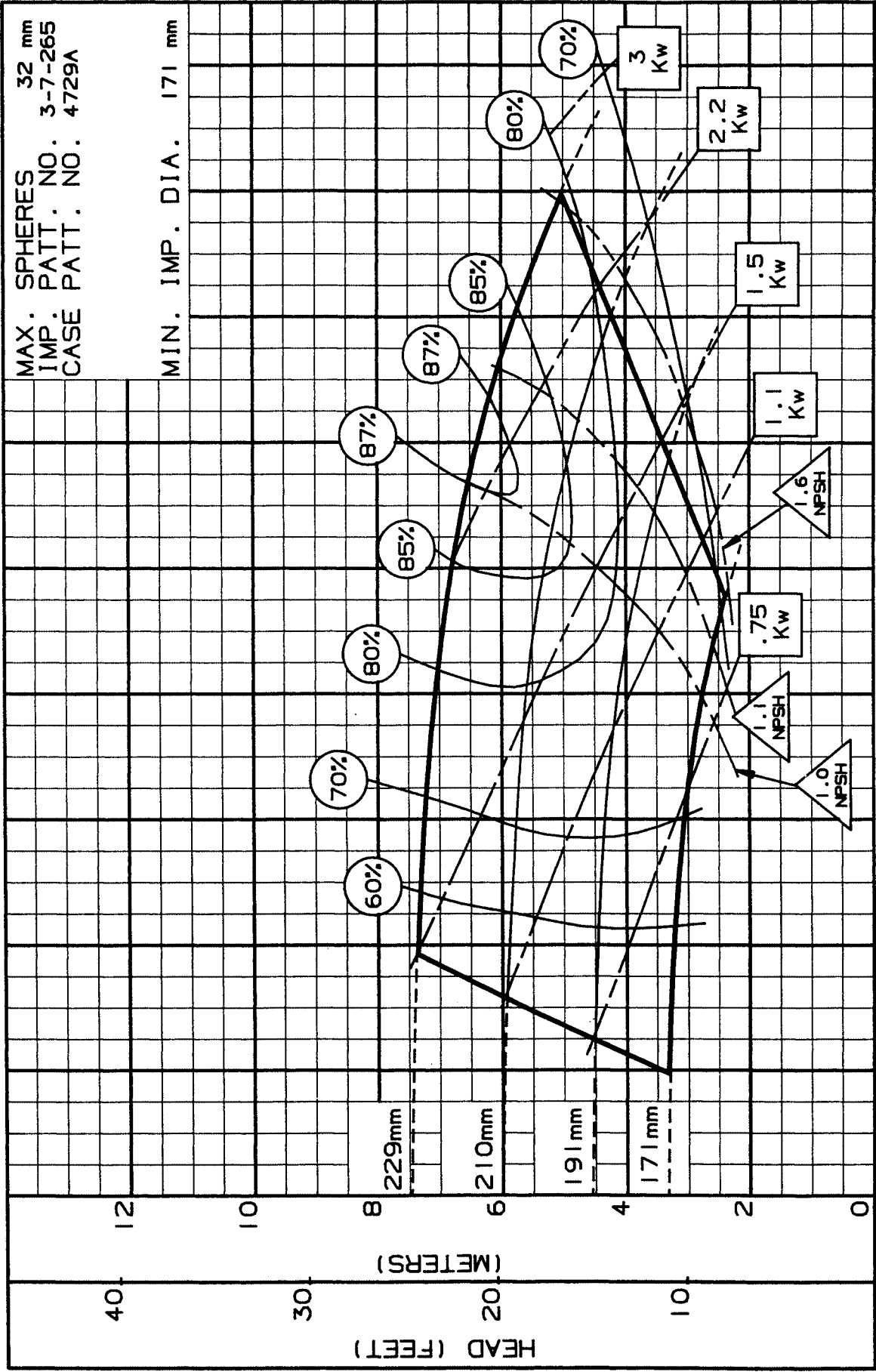
6x6x9 - 960 RPM ENCLOSED IMPELLER



SIZE: 6X6X9 TYPE: 530 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 32 mm
IMP. PATT. NO. 3-7-265
CASE PATT. NO. 4729A

MIN. IMP. DIA. 171 mm



M ³ /HR	0	20	40	60	80	100	120	140	160	180
L/S	0	10	20	30	40	50	60	70	80	90
U.S. GPM	0	100	200	300	400	500	600	700	800	900

DRAWN BY: *AKC* APPROVED BY: DL DATE: 7-90 PC-116317M