

Performance Curves for the 420 Series (50 Hz)

MODEL/SIZE	R.P.M.	PDF PAGE
2x2-1/2x12A	2880	2
2x2-1/2x12A	1440	3
2x2-1/2x12B	1440	4
2-1/2x3x12A	2880	5
2-1/2x3x12A	1440	6
2-1/2x3x12A	960	7
3x4x14A	1440	8
3x4x14A	960	9
3x4x14B	1440	10
4x5x15	1475	11
4x5x15	960	12
5x6x15	1440	13
6x8x17A	1475	14
6x8x17B	1475	15
6x8x17B	960	16



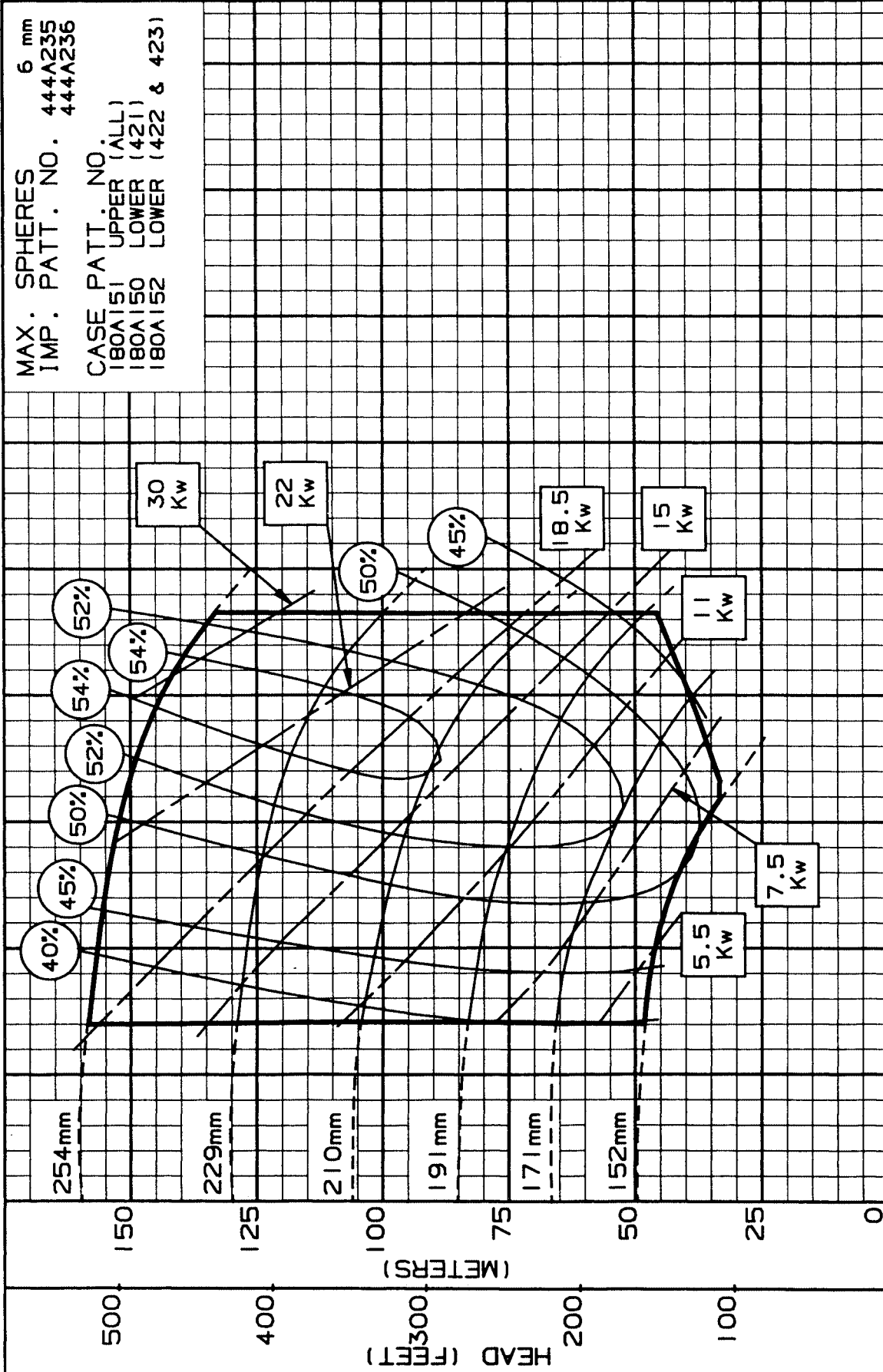
AURORA®
Pentair Pump Group

2x2-1/2x12A - 2880 RPM
ENCLOSED IMPELLER

SECTION **420 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES OCTOBER 1986

SIZE: 2X2 1/2X12A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 2880

MAX. SPHERES 6 mm
IMP. PATT. NO. 444A235
444A236
CASE PATT. NO.
180A151 UPPER (ALL)
180A150 LOWER (421)
180A152 LOWER (422 & 423)



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

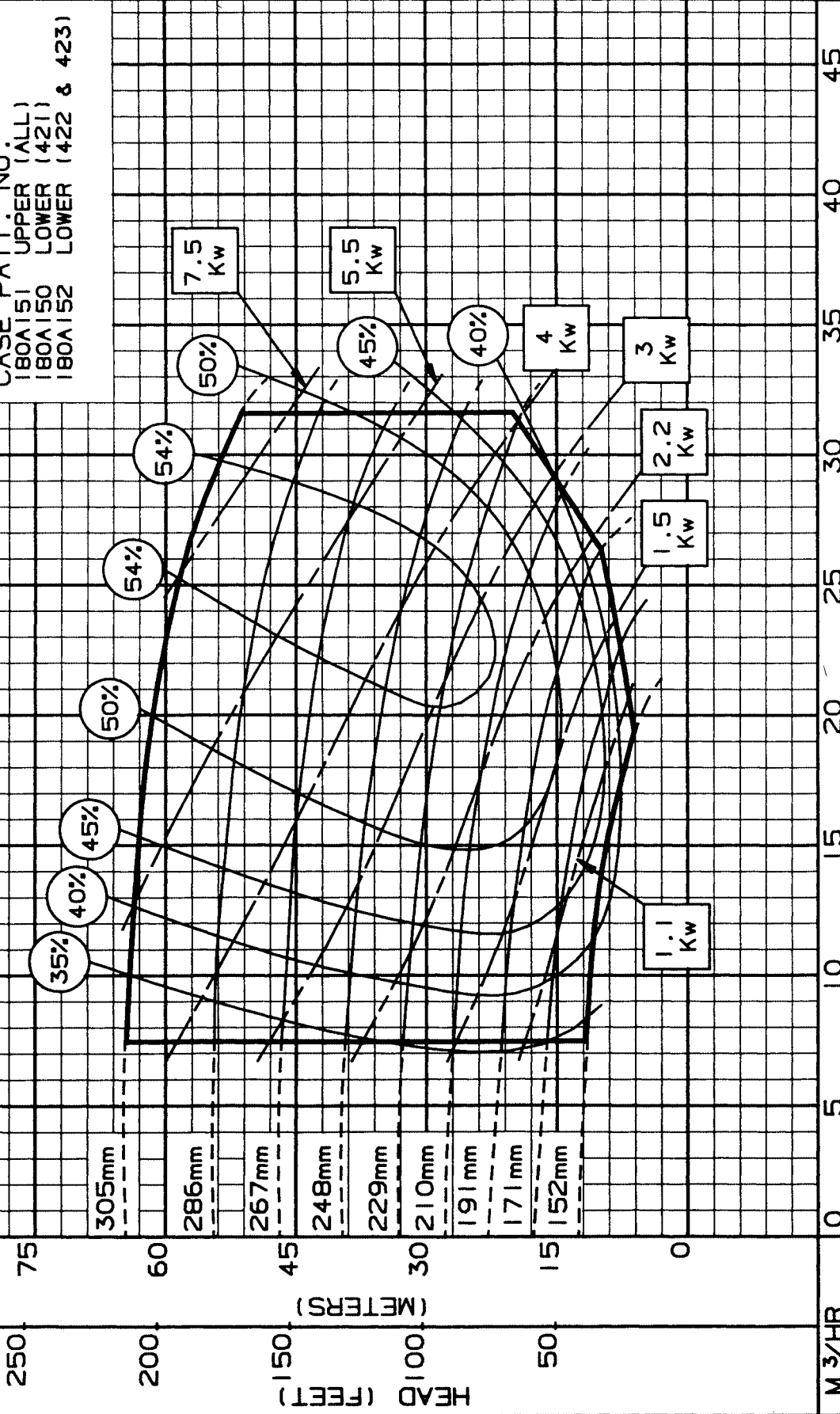
DRAWN BY: *AWC* APPROVED BY: *DL* DATE: 7-94 PC-115893M

2x2-1/2x12A - 1440 RPM
 ENCLOSED IMPELLER



SIZE: 2X2 1/2X12A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 6 mm
 IMP. PATT. NO. 444A235
 444A236
 CASE PATT. NO.
 180A151 UPPER (ALL)
 180A150 LOWER (421)
 180A152 LOWER (422 & 423)



M ³ /HR	0	5	2	10	4	15	6	20	8	25	10	30	12	35	15	40	18	45
L/S																		
U.S. GPM	25	50	75	100	125	150	175											

DRAWN BY: *AKZ* APPROVED BY: *DC* DATE: 7-90 PC-115894M



AURORA®
Pentair Pump Group

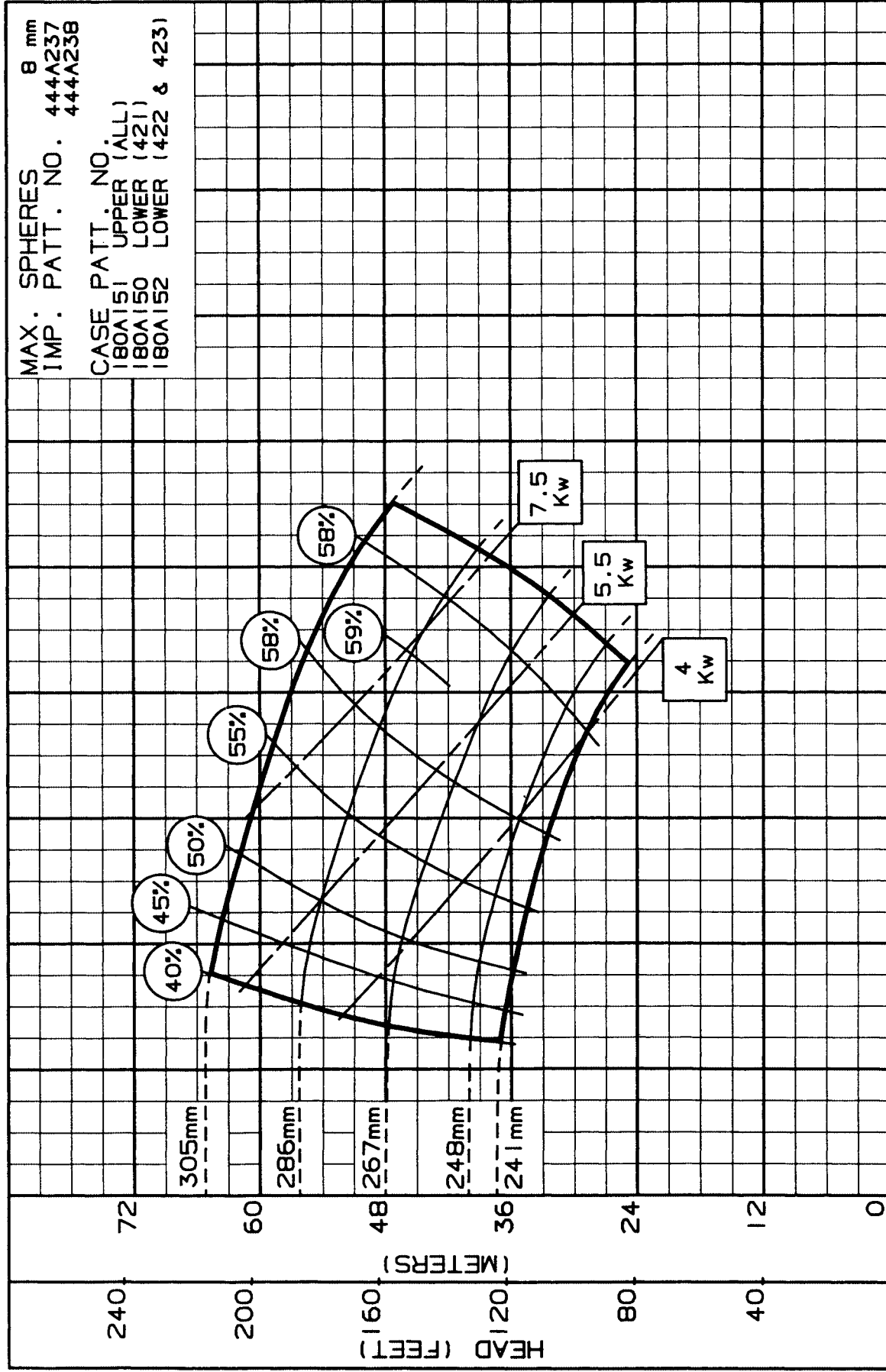
2x2-1/2x12B - 1440 RPM
ENCLOSED IMPELLER

SECTION **420 (Metric 50Hz)**
DATE **JULY 1994**
SUPERCEDES OCTOBER 1986

SIZE: 2X2 1/2X12B TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 8 mm
IMP. PATT. NO. 444A237
444A238

CASE PATT. NO.
180A151 UPPER (ALL)
180A150 LOWER (421)
180A152 LOWER (422 & 423)

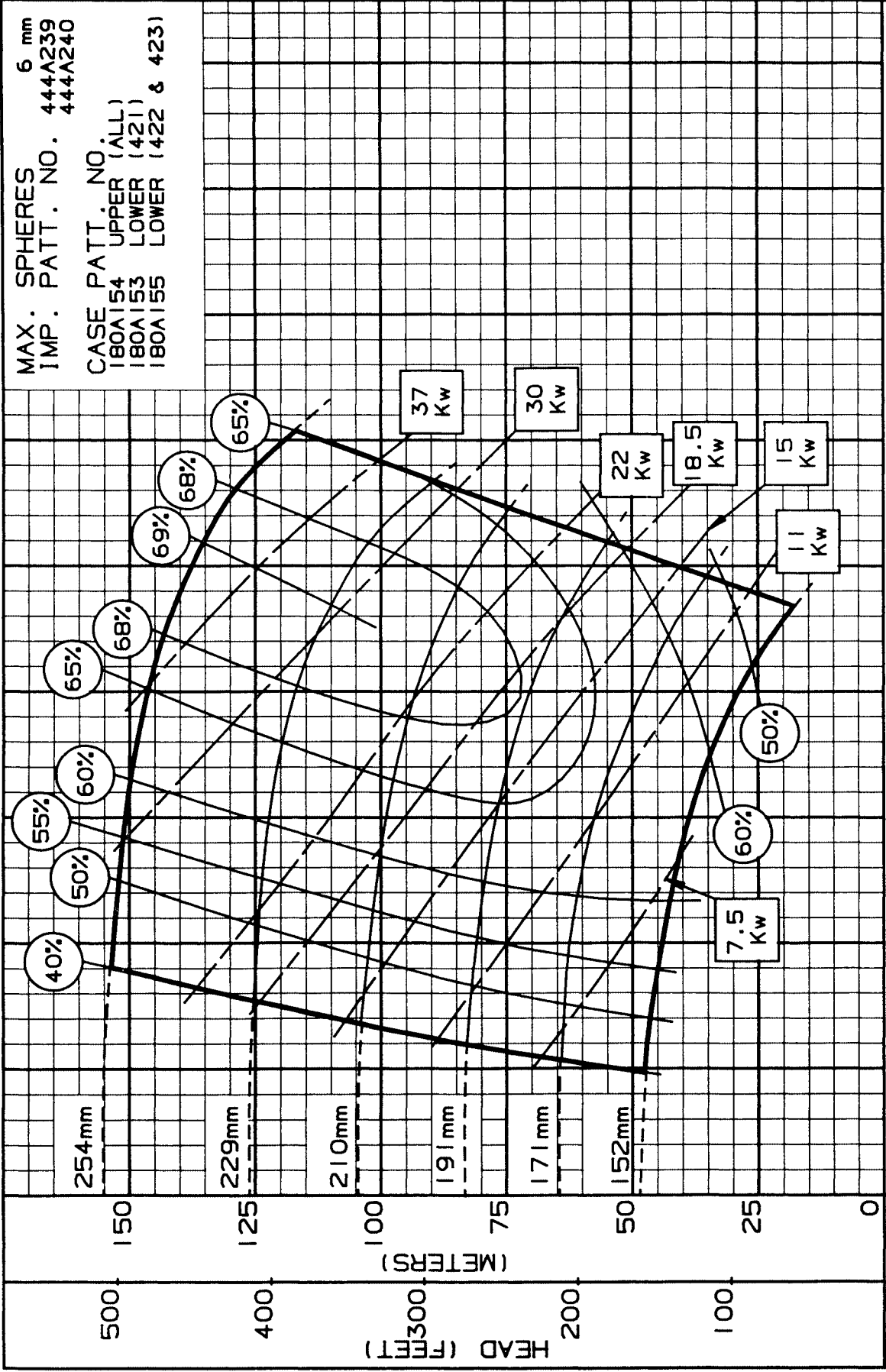


M ³ /HR	0	8	16	24	32	40	48	56	64	72
L/S	4	8	12	16	20	24	28	32	36	40
U.S. GPM	40	80	120	160	200	240	280	320	360	400

DRAWN BY: *Pat* APPROVED BY: *DL* DATE: 7-94 PC-115895M

SIZE: 2 1/2x3x12A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 2880

MAX. SPHERES 6 mm
 IMP. PATT. NO. 444A239
 444A240
 CASE PATT. NO.
 180A154 UPPER (ALL)
 180A153 LOWER (421)
 180A155 LOWER (422 & 423)



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: <i>Roz</i> APPROVED BY: <i>DL</i> DATE: 7-94 PC-115896M										



AURORA®

Pentair Pump Group

2-1/2x3x12A - 1440 RPM

ENCLOSED IMPELLER

SECTION **420 (Metric 50Hz)**

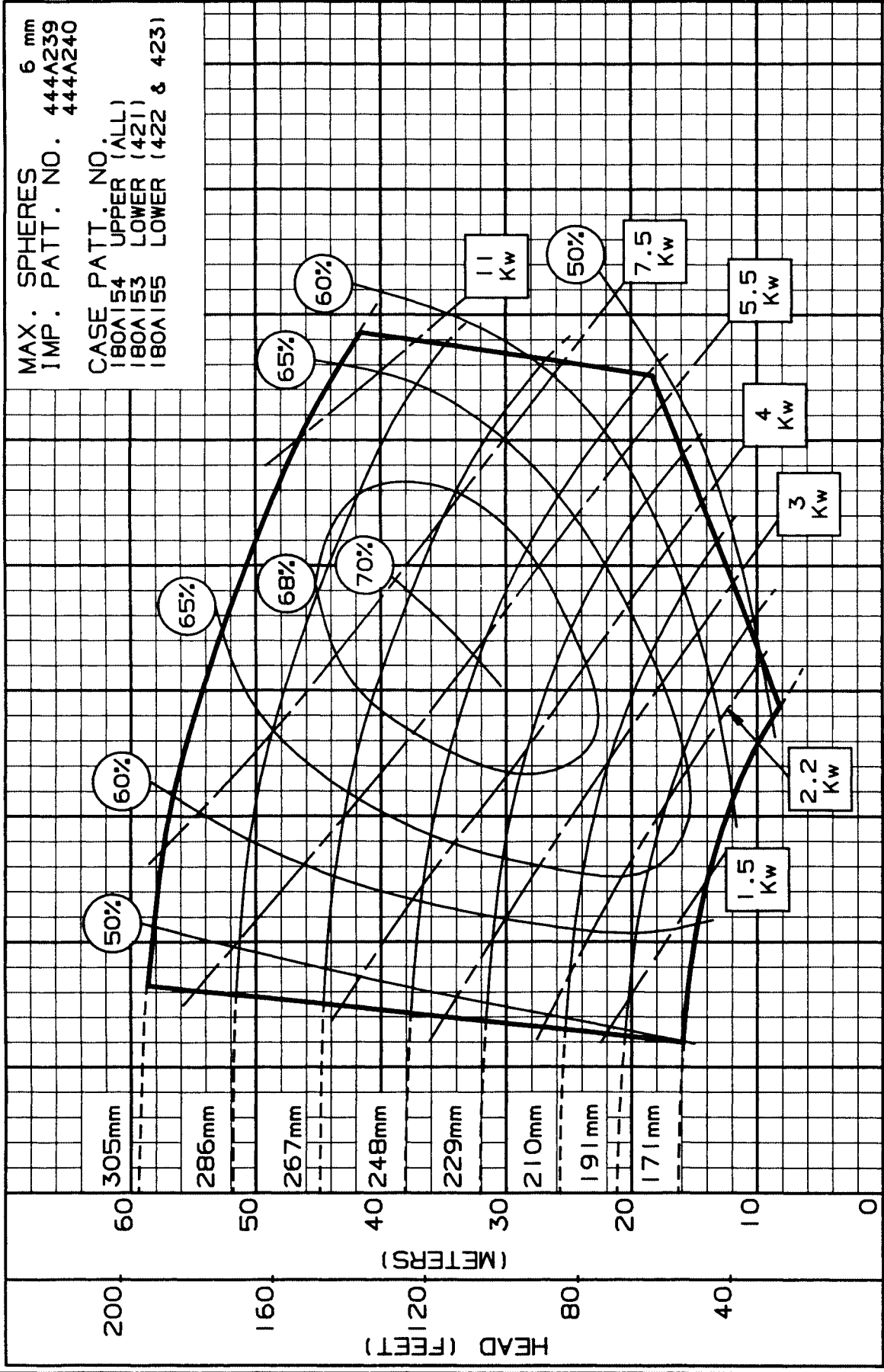
DATE **JULY 1994**

SUPERCEDES OCTOBER 1986

SIZE: 2 1/2x3x12A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 6 mm
IMP. PATT. NO. 444A239
444A240

CASE PATT. NO.
180A154 UPPER (ALL)
180A153 LOWER (421)
180A155 LOWER (422 & 423)



M ³ /HR	0	10	20	30	40	50	60	70	80	90
L/S		4	8	12	16	20	24	30	35	40
U.S. GPM	50	100	150	200	250	300	350			
DRAWN BY: <i>Rik</i> APPROVED BY: <i>DL</i> DATE: 7-90 PC-115897M										

SECTION 420 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES OCTOBER 1986

2-1/2x3x12A - 960 RPM

ENCLOSED IMPELLER

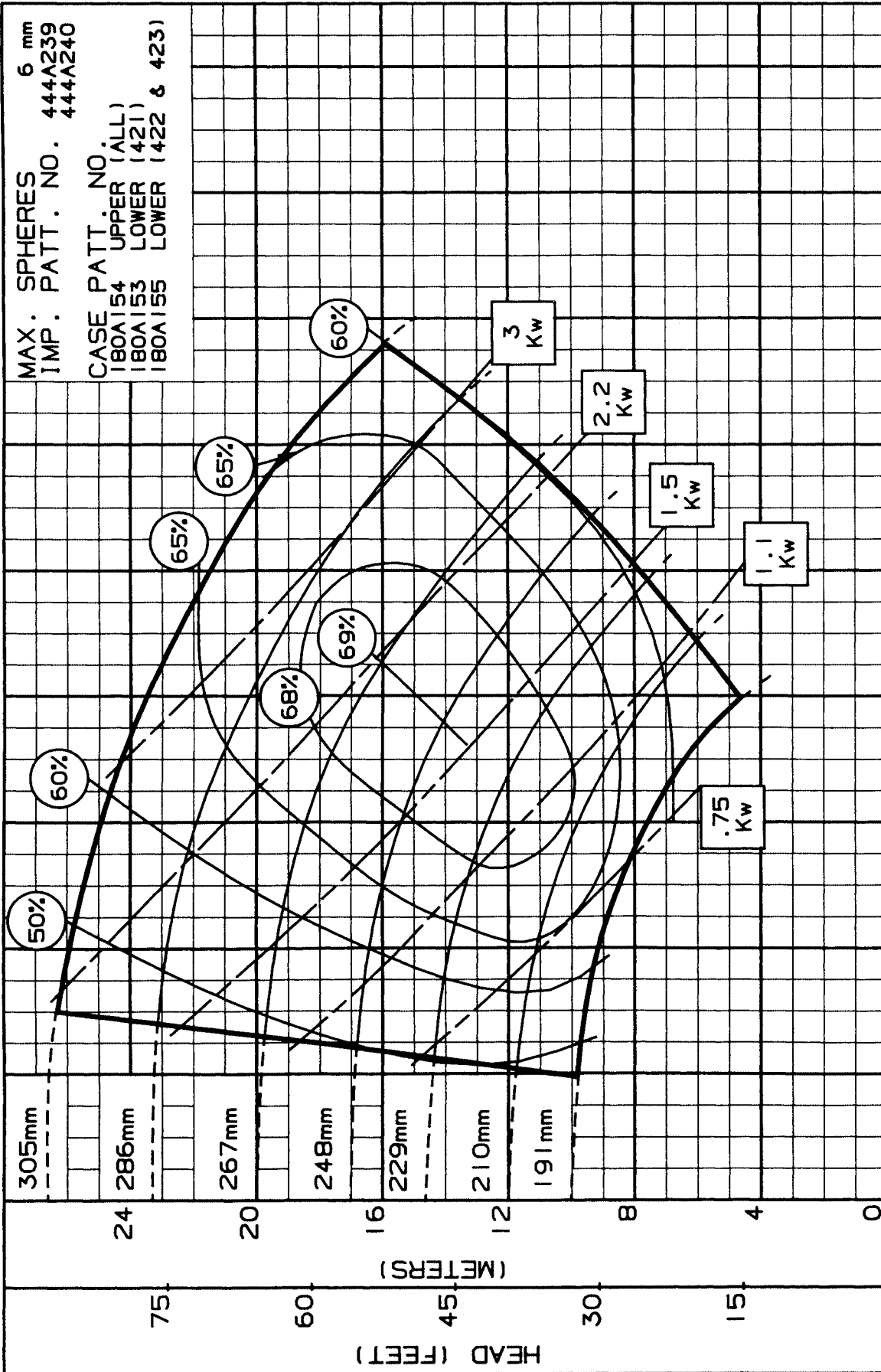
ap AURORA®

Pentair Pump Group

SIZE: 2 1/2X3X12A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 6 mm
IMP. PATT. NO. 444A239
444A240

CASE PATT. NO.
180A154 UPPER (ALL)
180A153 LOWER (421)
180A155 LOWER (422 & 423)

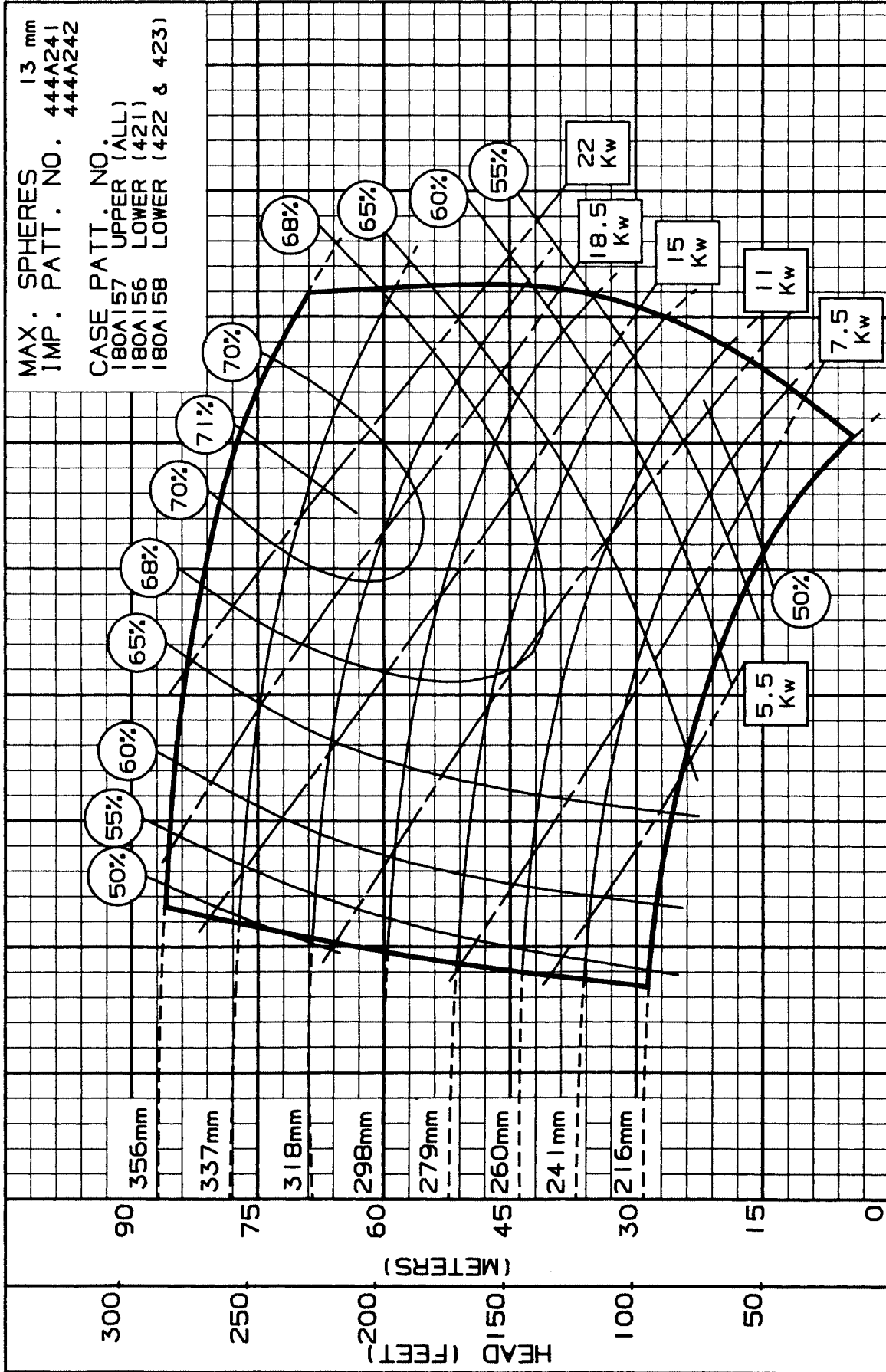


M ³ /HR	0	8	16	24	32	40	48	56	64	72
L/S	4	8	12	16	20	24	32	40	48	64
U.S. GPM	40	80	120	160	200	240	280	320	360	400

DRAWN BY: *[Signature]* APPROVED BY: DL DATE: 7-90 PC-115898M

SIZE: 3X4X14A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 13 mm
IMP. PATT. NO. 444A241
444A242
CASE PATT. NO.
180A157 UPPER (ALL)
180A156 LOWER (421)
180A158 LOWER (422 & 423)



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

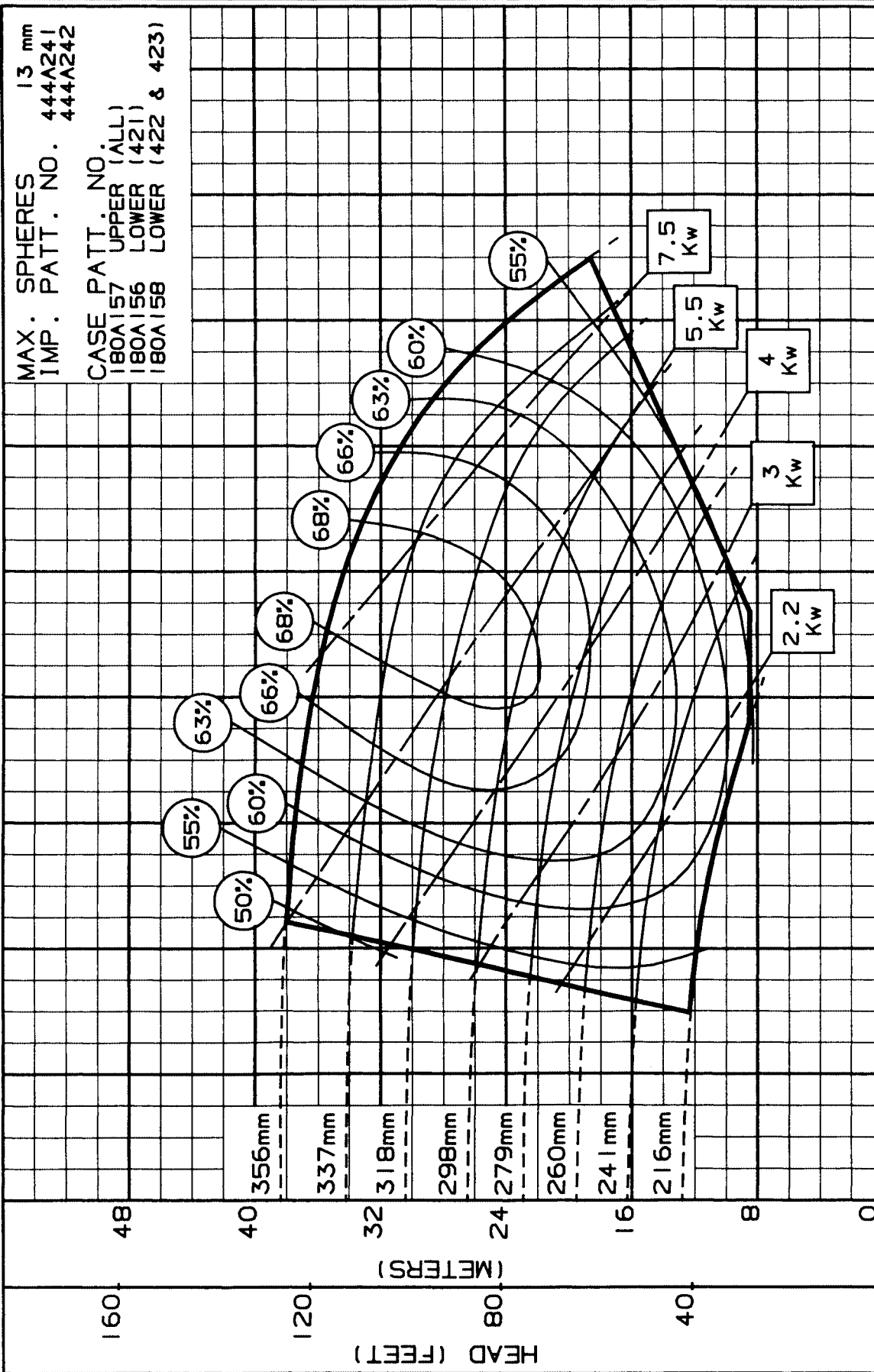
DRAWN BY: *[Signature]* APPROVED BY: *[Signature]* DATE: 7-90 PC-115899M

3x4x14A - 960 RPM
ENCLOSED IMPELLER



SIZE: 3X4X14A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 13 mm
IMP. PATT. NO. 444A241 444A242
CASE PATT. NO. 180A157 UPPER (ALL)
180A156 LOWER (421)
180A158 LOWER (422 & 423)



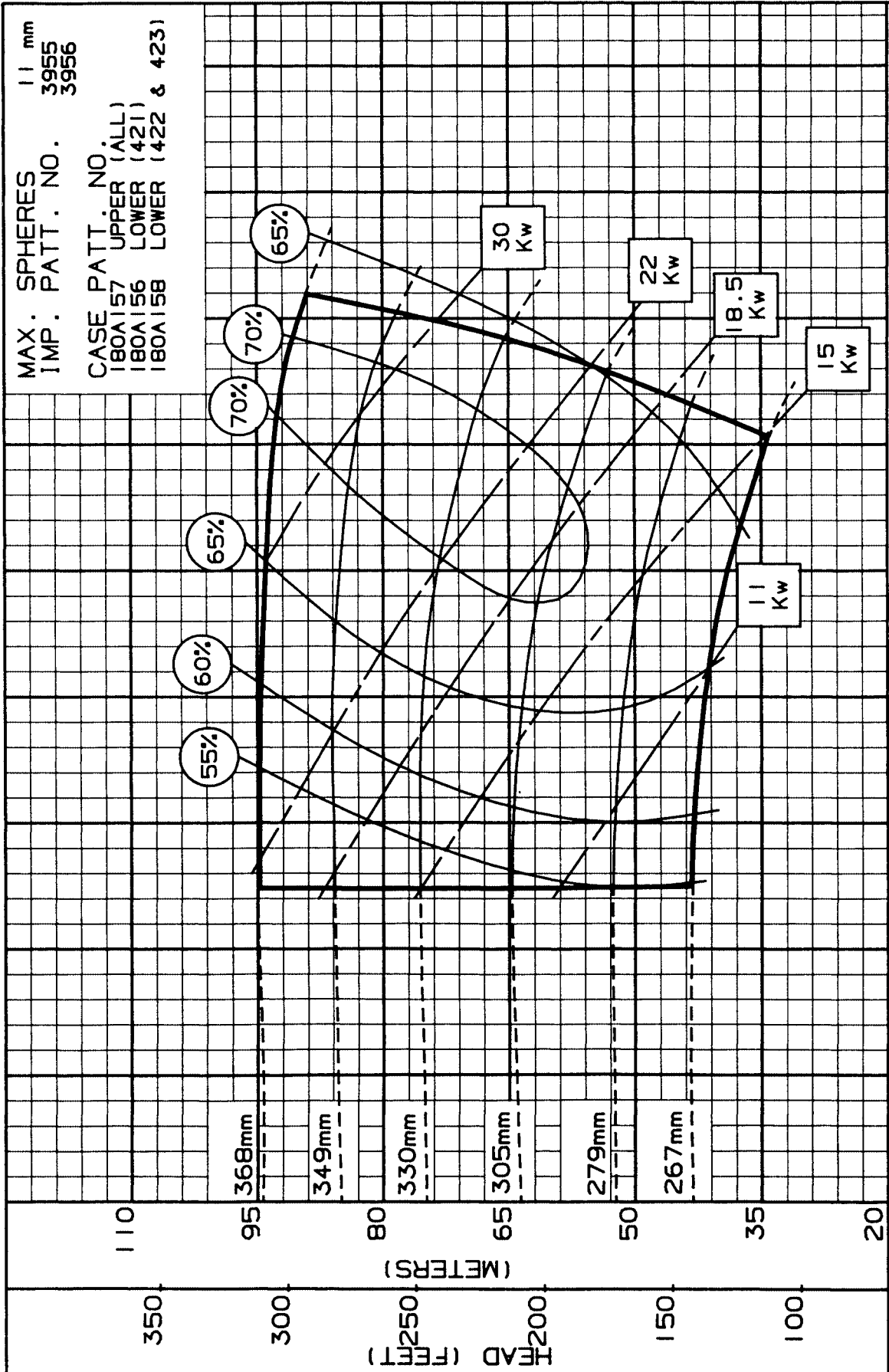
M ³ /HR	0	12	24	36	48	60	72	84	96	108
L/S	0	4	8	12	16	20	24	28		
U.S. GPM	0	60	120	180	240	300	360	420		

DRAWN BY: *BA* APPROVED BY: *DL* DATE: 7-94 PC-115900M

SIZE: 3X4X14B TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 11 mm
IMP. PATT. NO. 3955
3956

CASE PATT. NO.
180A157 UPPER (ALL)
180A156 LOWER (421)
180A158 LOWER (422 & 423)



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-118277M

SECTION 420 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES OCTOBER 1986

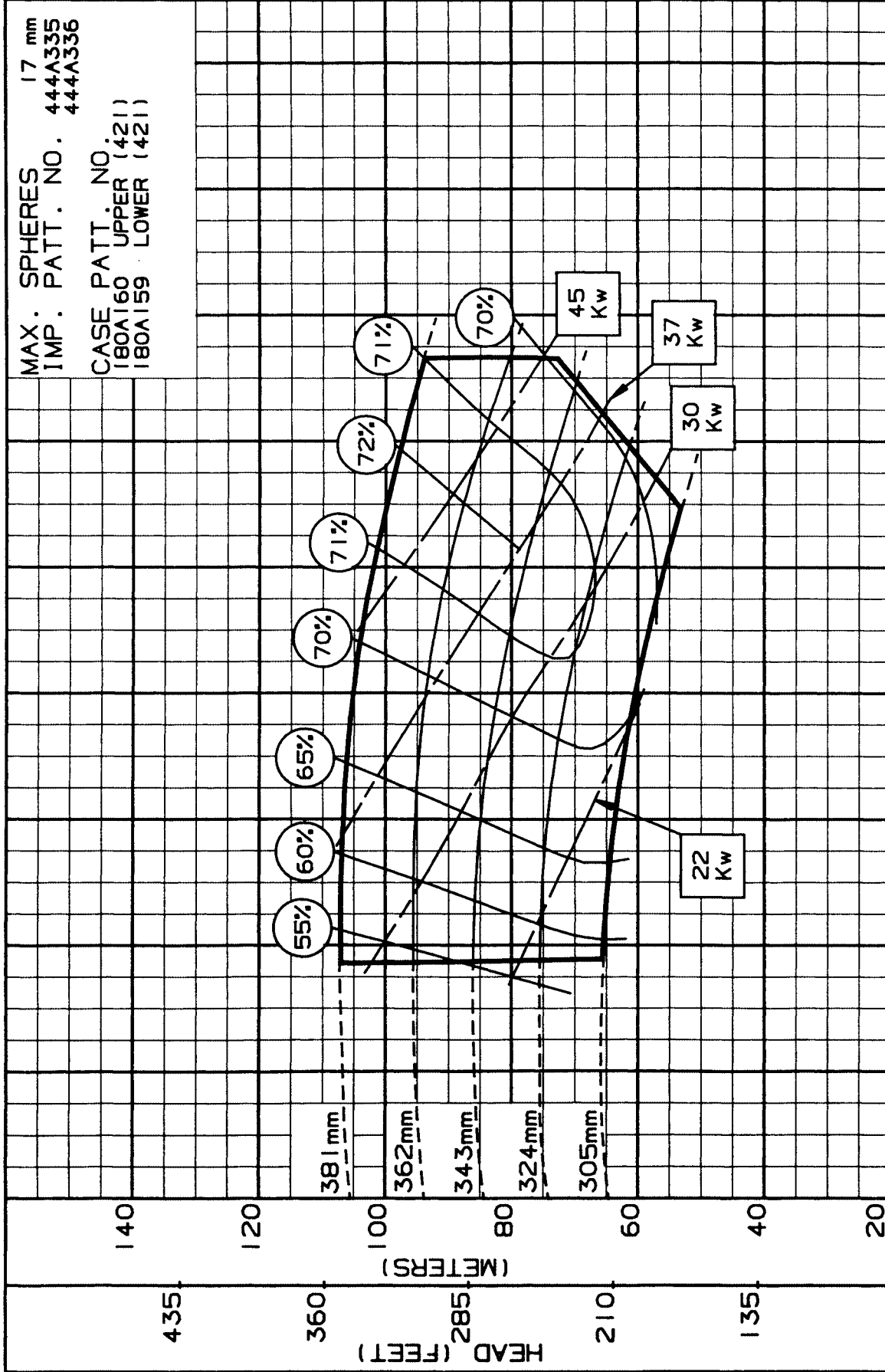
4x5x15 - 1475 RPM ENCLOSED IMPELLER



SIZE: 4X5X15 TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1475

MAX. SPHERES 17 mm
IMP. PATT. NO. 444A335
444A336

CASE PATT. NO.
180A160 UPPER (421)
180A159 LOWER (421)

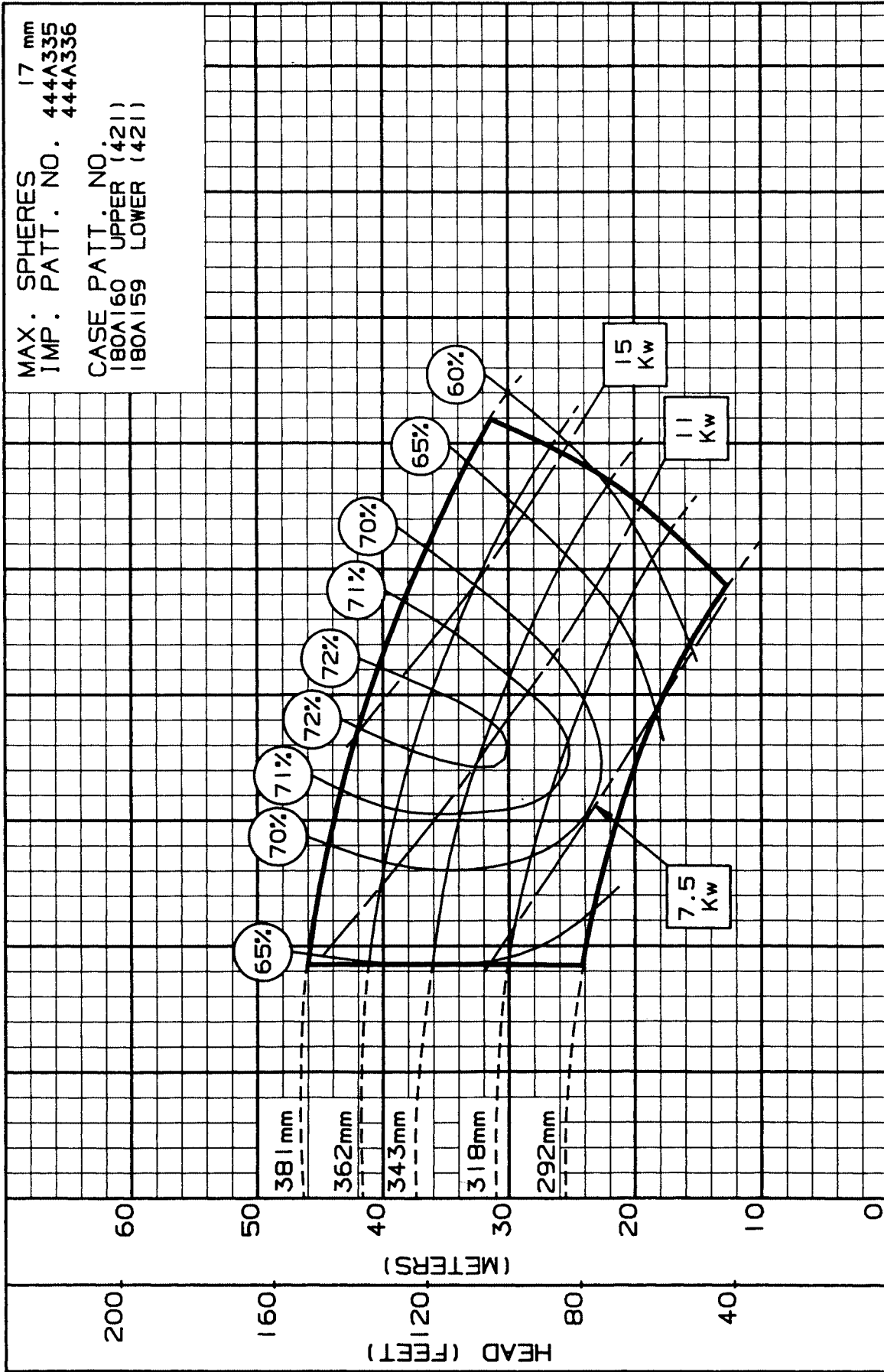


M ³ /HR	20	40	60	80	100	120	140	160	180	200
L/S	15	25	35	45	58	78	105	140	180	240
U.S. GPM	180	280	380	480	580	680	780	880	980	1080

DRAWN BY: *[Signature]* APPROVED BY: DL DATE: 7-90 PC-115902M

SIZE: 4X5X15 TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 960

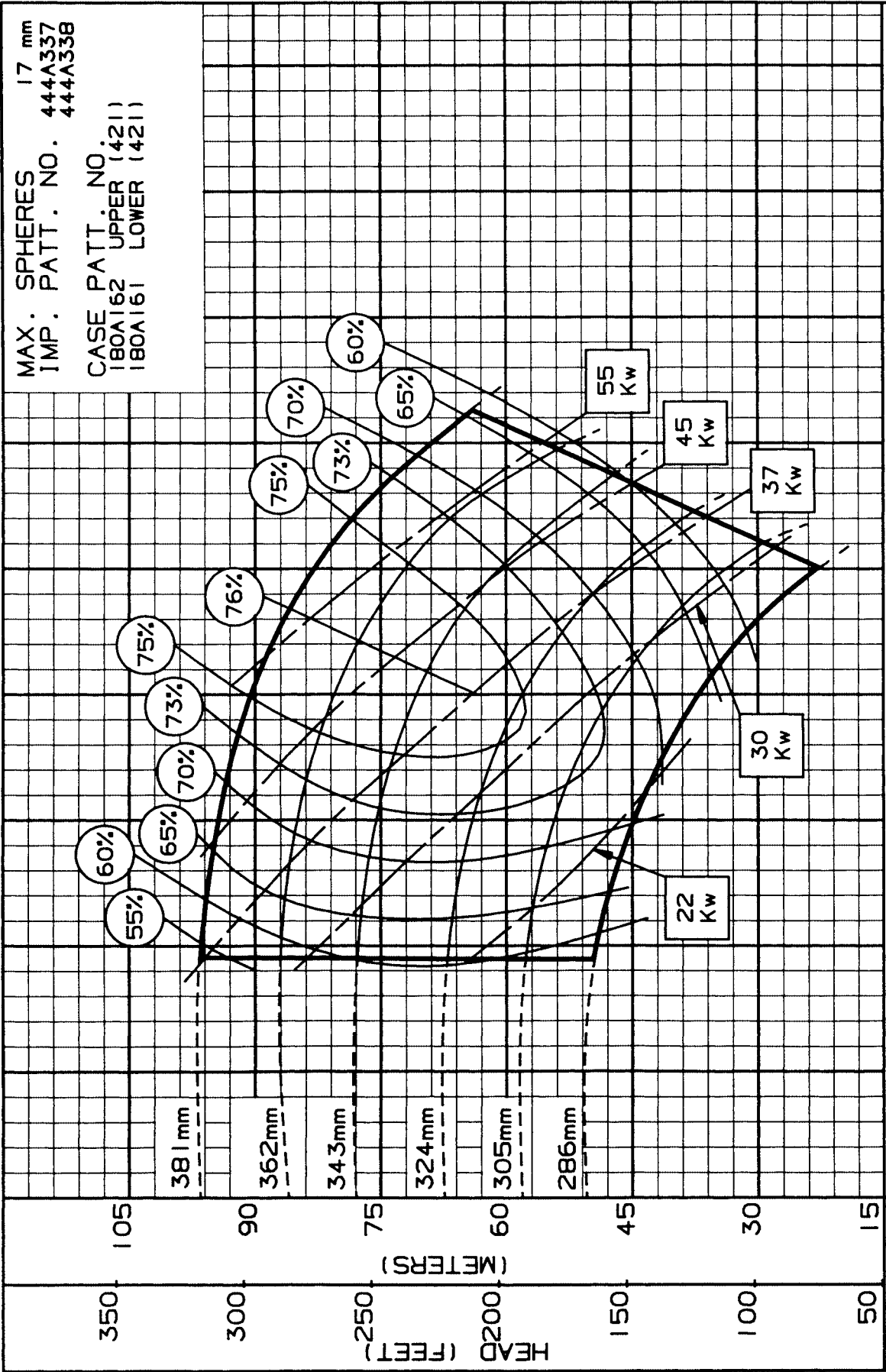
MAX. SPHERES 17 mm
IMP. PATT. NO. 444A335
444A336
CASE PATT. NO. 180A160 UPPER (421)
180A159 LOWER (421)



M ³ /HR	0	40	80	100	120	140	160	180	200
L/S	15	25	35	45					
U.S. GPM	180	280	380	480	580	680	780		
DRAWN BY:	APC		APPROVED BY: DL		DATE: 7-90		PC-115903M		

SIZE: 5X6X15 TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1440

MAX. SPHERES 17 mm
IMP. PATT. NO. 444A337
444A338
CASE PATT. NO.
180A162 UPPER (421)
180A161 LOWER (421)

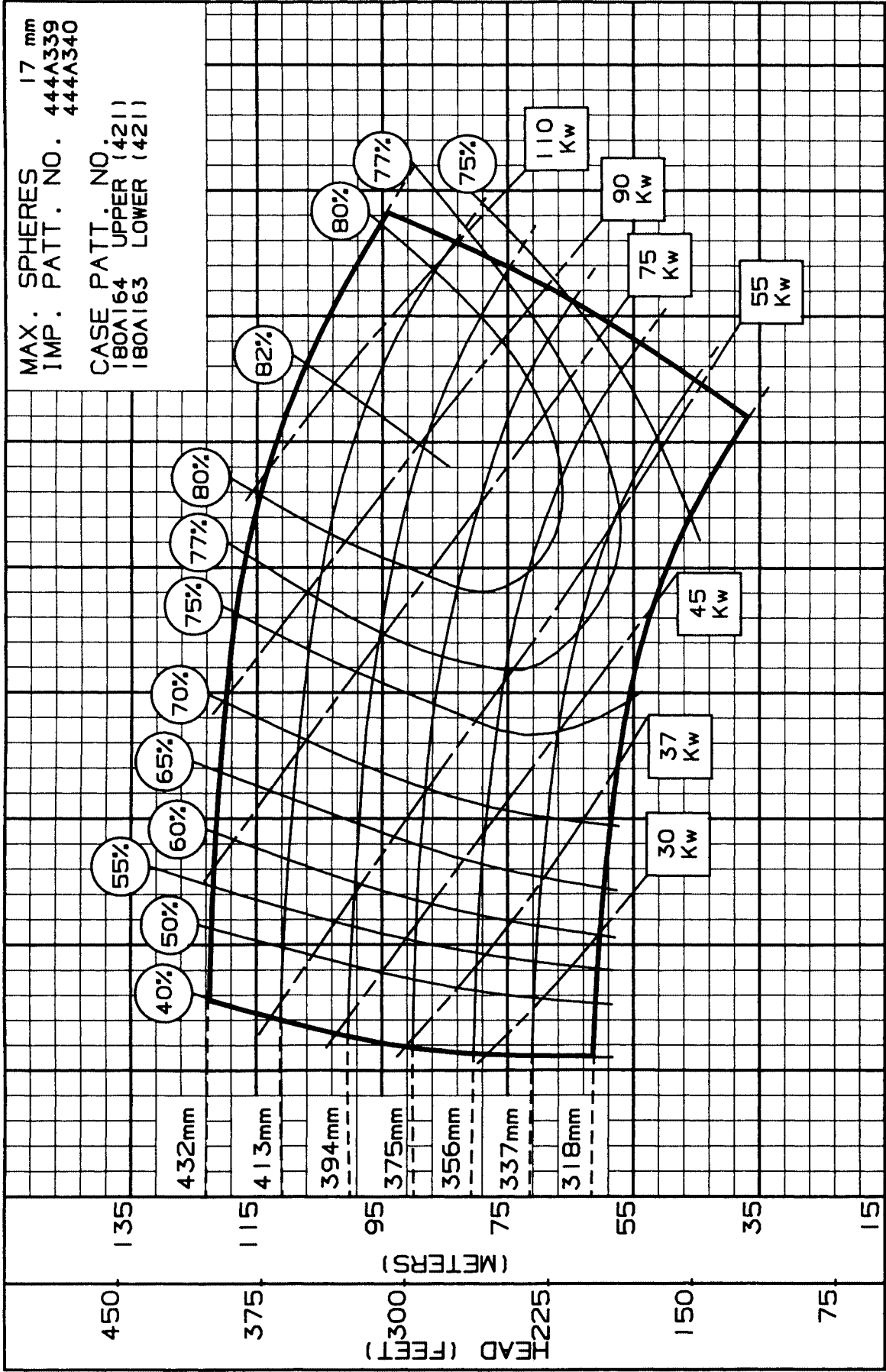


M ³ /HR	0	40	80	120	160	200	240	280	320	360
L/S	15	30	45	60	75	90	105	120	135	150
U.S. GPM	200	400	600	800	1000	1200	1400			

DRAWN BY: *RM* APPROVED BY: DL DATE: 7-90 PC-115904M

SIZE: 6X8X17A TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1475

MAX. SPHERES 17 mm
IMP. PATT. NO. 444A339
444A340
CASE PATT. NO. 180A164 UPPER (421)
180A163 LOWER (421)



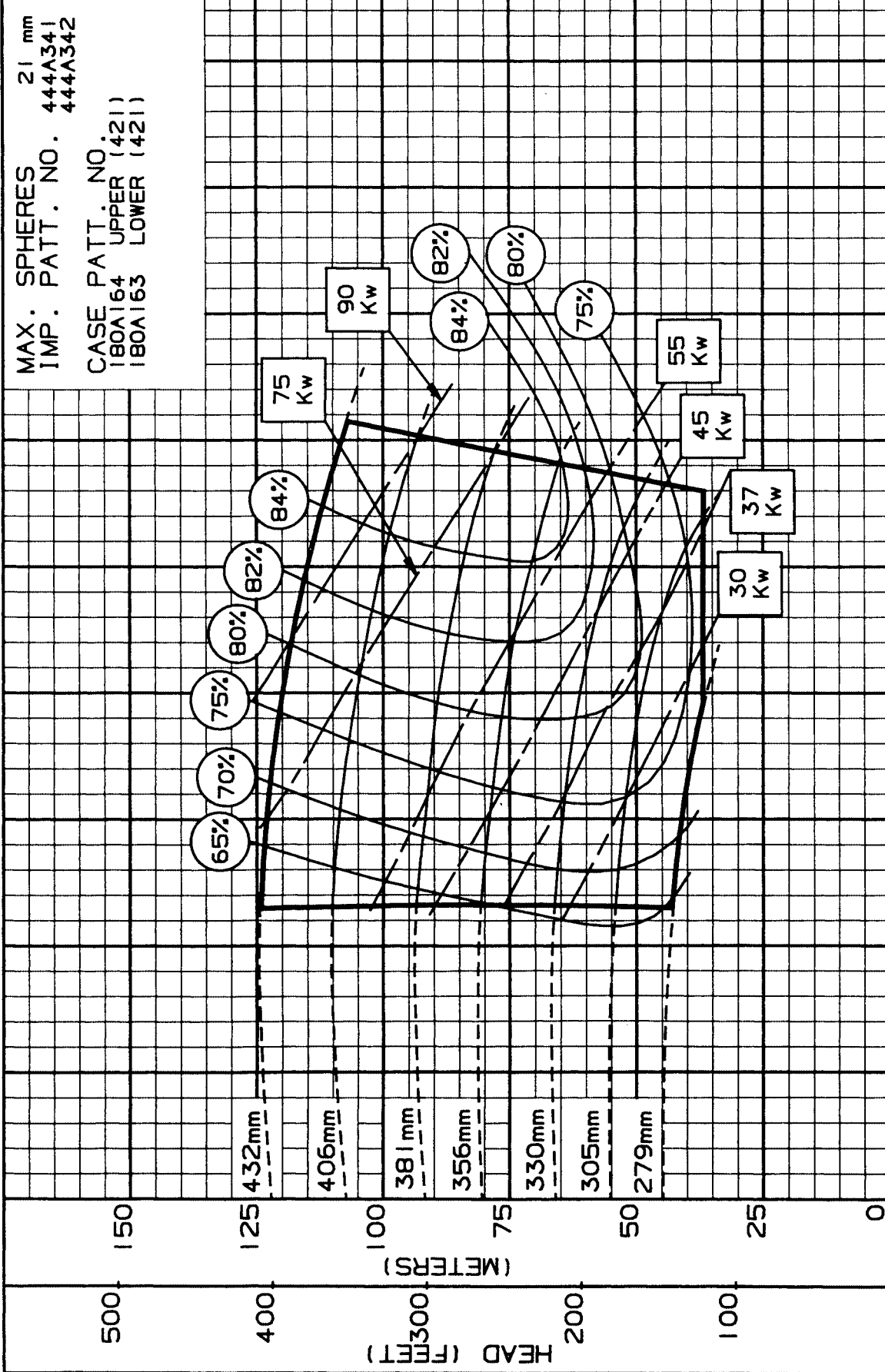
M ³ /HR	0	50	100	150	200	250	300	350	400	450
L/S	0	15	30	45	60	75	90	105	120	120
U.S. GPM	0	250	500	750	1000	1250	1500	1750	1750	1750

DRAWN BY: *Kdh* APPROVED BY: DL DATE: 7-94 PC-115905M

SIZE: 6X8X17B TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 1475

MAX. SPHERES 21 mm
IMP. PATT. NO. 444A341
444A342

CASE PATT. NO.
180A164 UPPER (421)
180A163 LOWER (421)



M³/HR 0 50 100 150 200 250 300 350 400 450

L/S 15 30 45 60 75 90 105 120

U.S. GPM 250 500 750 1000 1250 1500 1750

DRAWN BY: *ASH* APPROVED BY: DL DATE: 7-90 PC-115906M



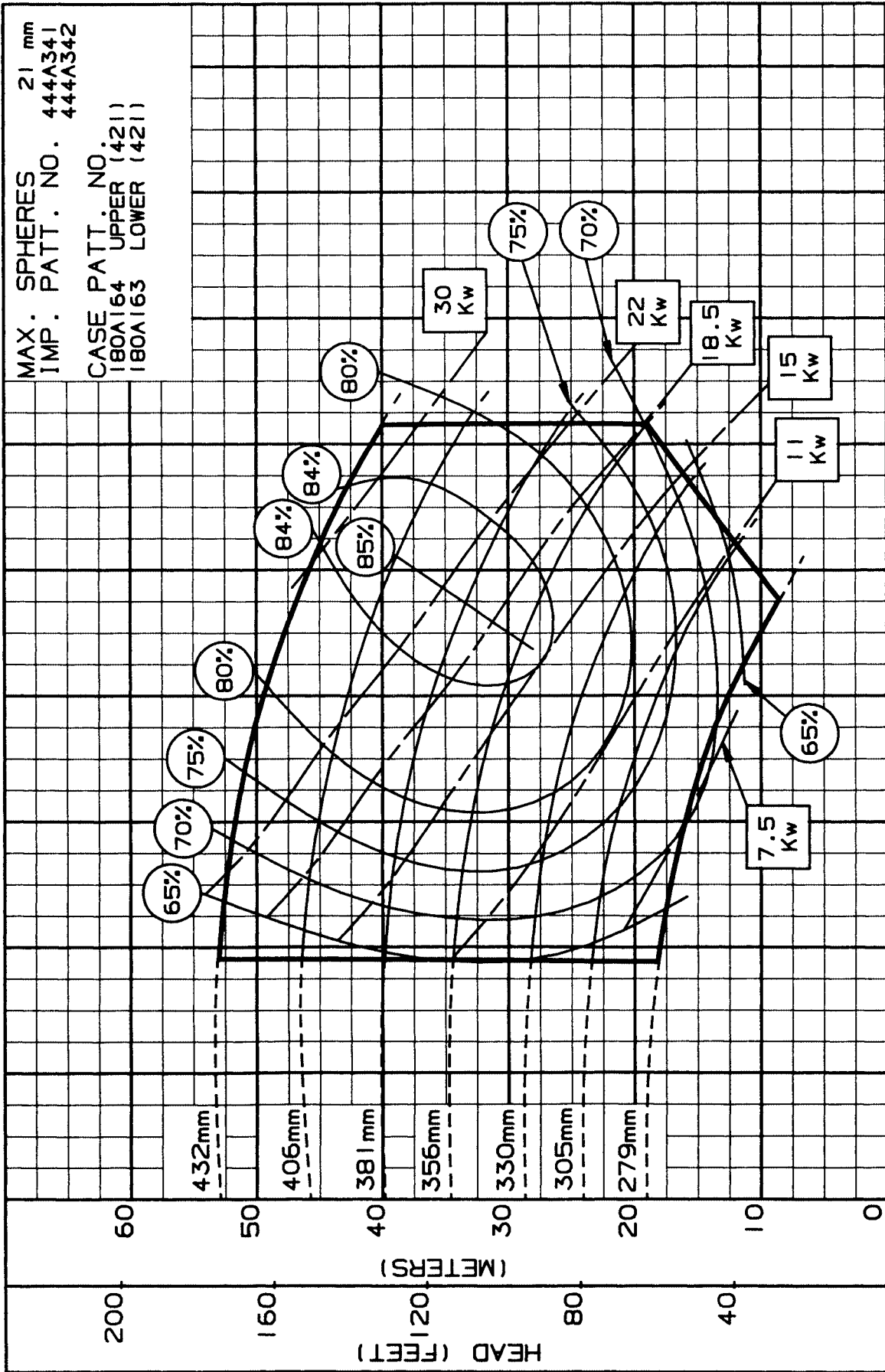
AURORA®
Pentair Pump Group

6x8x17B - 960 RPM
ENCLOSED IMPELLER

SECTION 420 (Metric 50Hz)
DATE JULY 1994
SUPERCEDES OCTOBER 1986

SIZE: 6X8X17B TYPE: 420 IMPELLER: ENCLOSED R.P.M.: 960

MAX. SPHERES 21 mm
IMP. PATT. NO. 444A341
444A342
CASE PATT. NO. 180A164 UPPER (421)
180A163 LOWER (421)



M ³ /HR	20	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	1600	1800	2000

DRAWN BY: *[Signature]* APPROVED BY: DL DATE: 7-90 PC-115907M