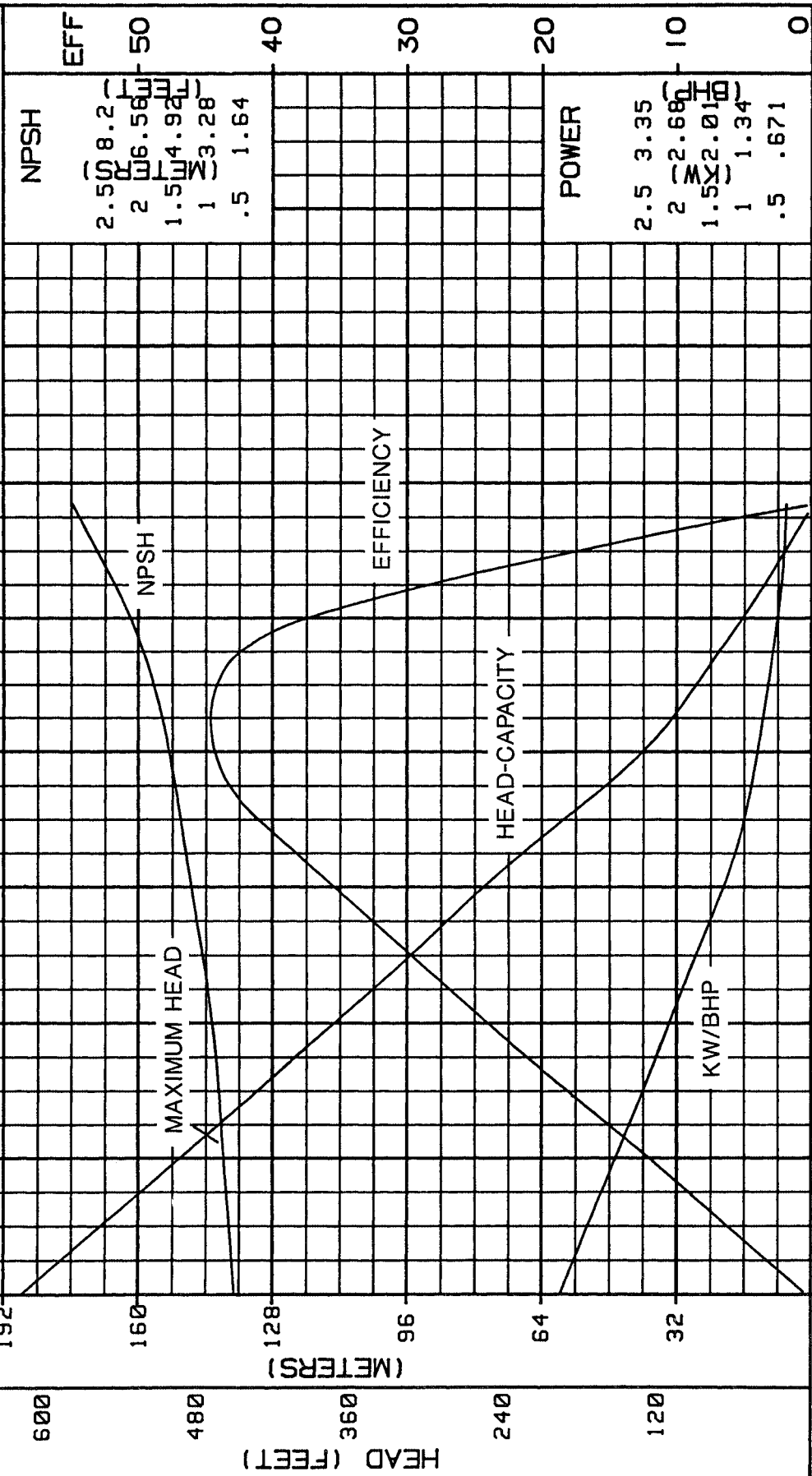


## Performance Curves for the 120 Series (50 Hz)

MODEL/SIZE	R.P.M.	PDF PAGE
Ex4	2880	2
Ex4	1440	3
Fx4	2880	4
Fx4	1440	5
Gx4	2880	6
Gx4	1440	7
Hx4	2880	8
Hx4	1440	9
Ix4	2880	10
Ix4	1440	11
Ex4T	2880	12
Ex4T	1440	13
Fx4T	2880	14
Fx4T	1440	15
Gx4T	2880	16
Gx4T	1440	17
Hx4T	2880	18
Hx4T	1440	19
Ix4T	1440	20

SIZE: EX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0834  
L.H. RING NO. - 676-2015  
R.H. RING NO. - 676-2016  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -



M <sup>3</sup> /HR	.8	1.6	2.4	3.2	4	4.8	5.6	6.4
L/S	.2223	.4447	.667	.8894	1.112	1.334	1.556	1.779
U.S. GPM	3.6	7.2	10.8	14.4	18	21.6	25.2	

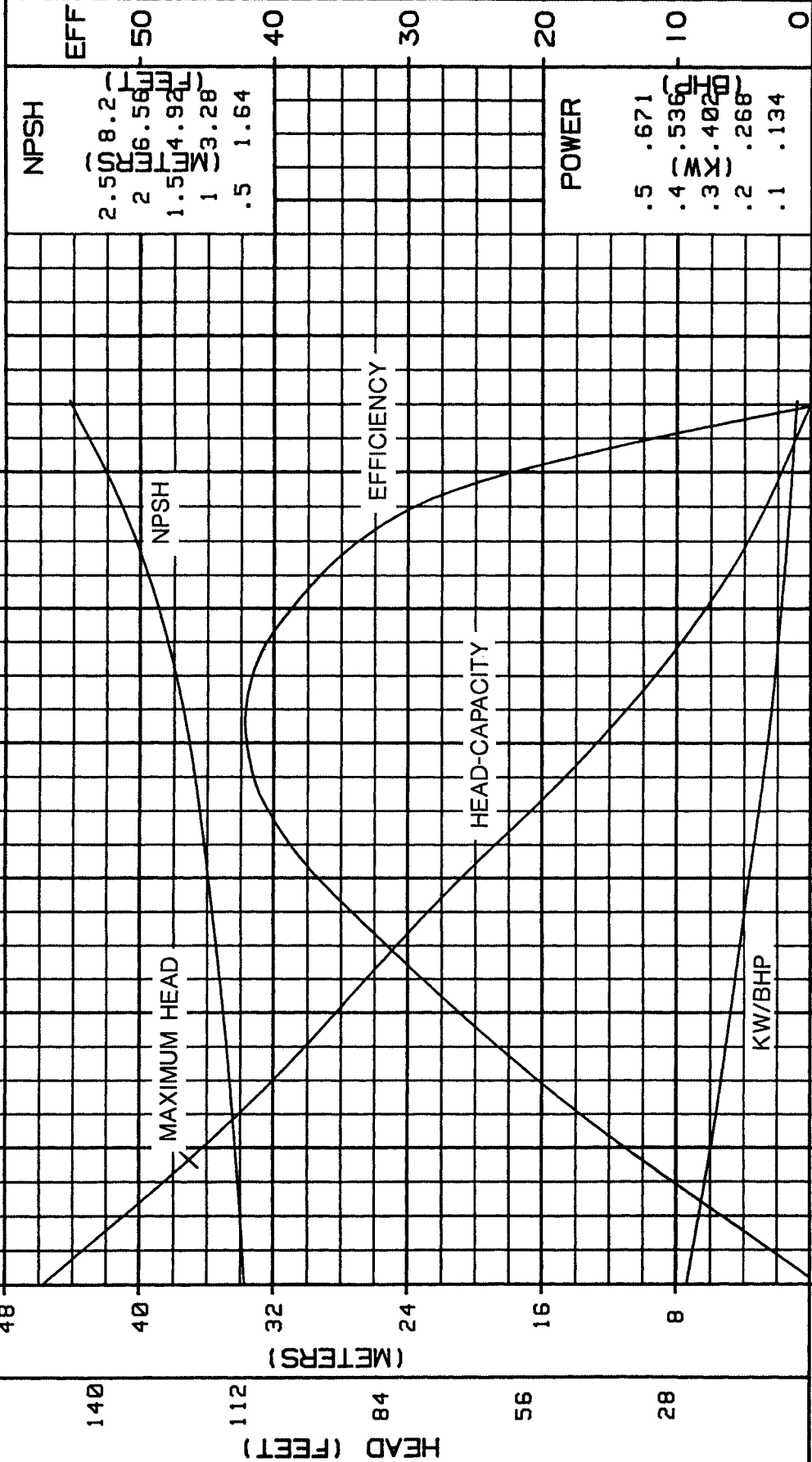
40187 DRAWN BY: JLF APPROVED BY: D. Seg *Kg* DATE: 6-5-86 11PC-126806M50

Ex4 - 1440 RPM  
SINGLE STAGE IMPELLER



SIZE: EX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 1440

IMP. PATT. NO. - 444-0834  
L.H. RING NO. - 676-2015  
R.H. RING NO. - 676-2016  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -



M <sup>3</sup> /HR	.4	.8	1.2	1.6	2.0	2.4	2.8	3.2
L/S	.1112	.2223	.3335	.4447	.5558	.667	.7782	.8894
U.S. GPM	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8
40187	DRAWN BY: JLF		APPROVED BY: <i>[Signature]</i>		DATE: 6-5-86		11PC-126807M50	



Pentair Pump Group

# Fx4 - 2880 RPM SINGLE STAGE IMPELLER

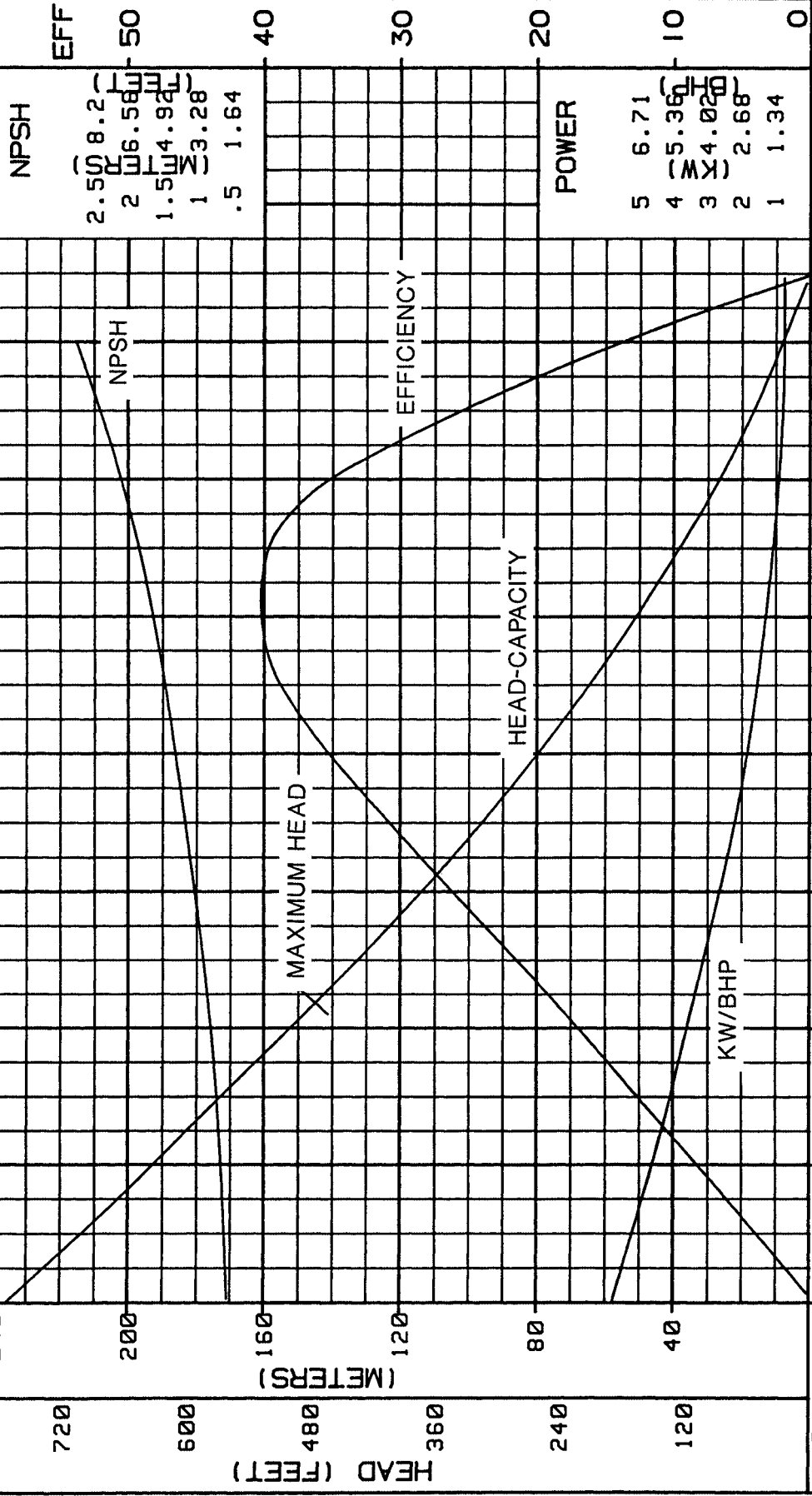
SECTION 120 (Metric 50Hz)

DATE JULY 1994

SUPERCEDES MARCH 1986

SIZE: FX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0823  
 L.H. RING NO. - 676-2017  
 R.H. RING NO. - 676-2018  
 L.H. SPACER NO. - 180-2294  
 R.H. SPACER NO. -



M<sup>3</sup>/HR  
 L/S  
 U.S. GPM

40187 DRAWN BY: JLF APPROVED BY: D. Sog/ε DATE: 6-5-86 11PC-126808M50

SECTION 120 (Metric 50Hz)

DATE JULY 1994

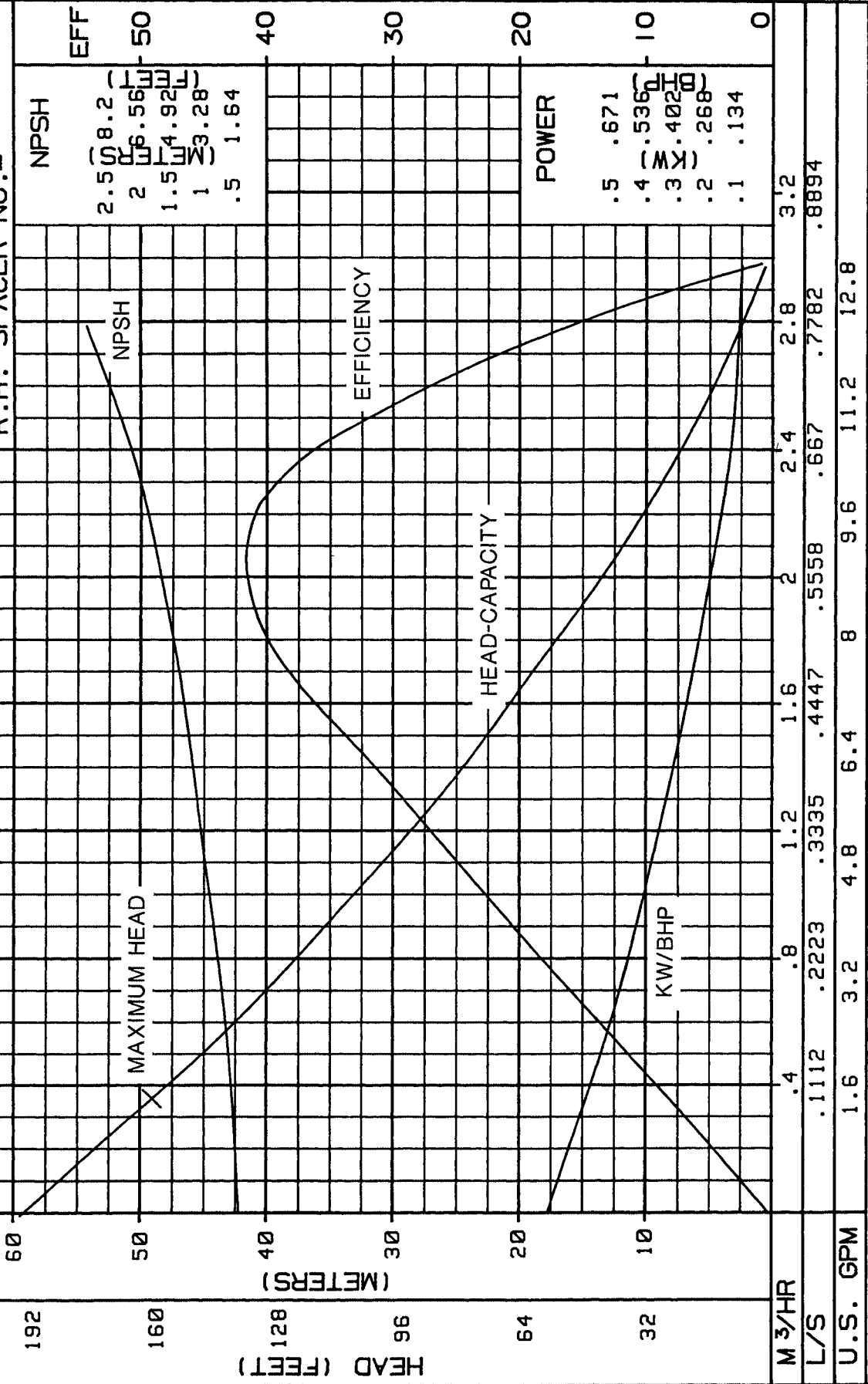
SUPERCEDES MARCH 1986

# Fx4 - 1440 RPM SINGLE STAGE IMPELLER



SIZE: FX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 1440

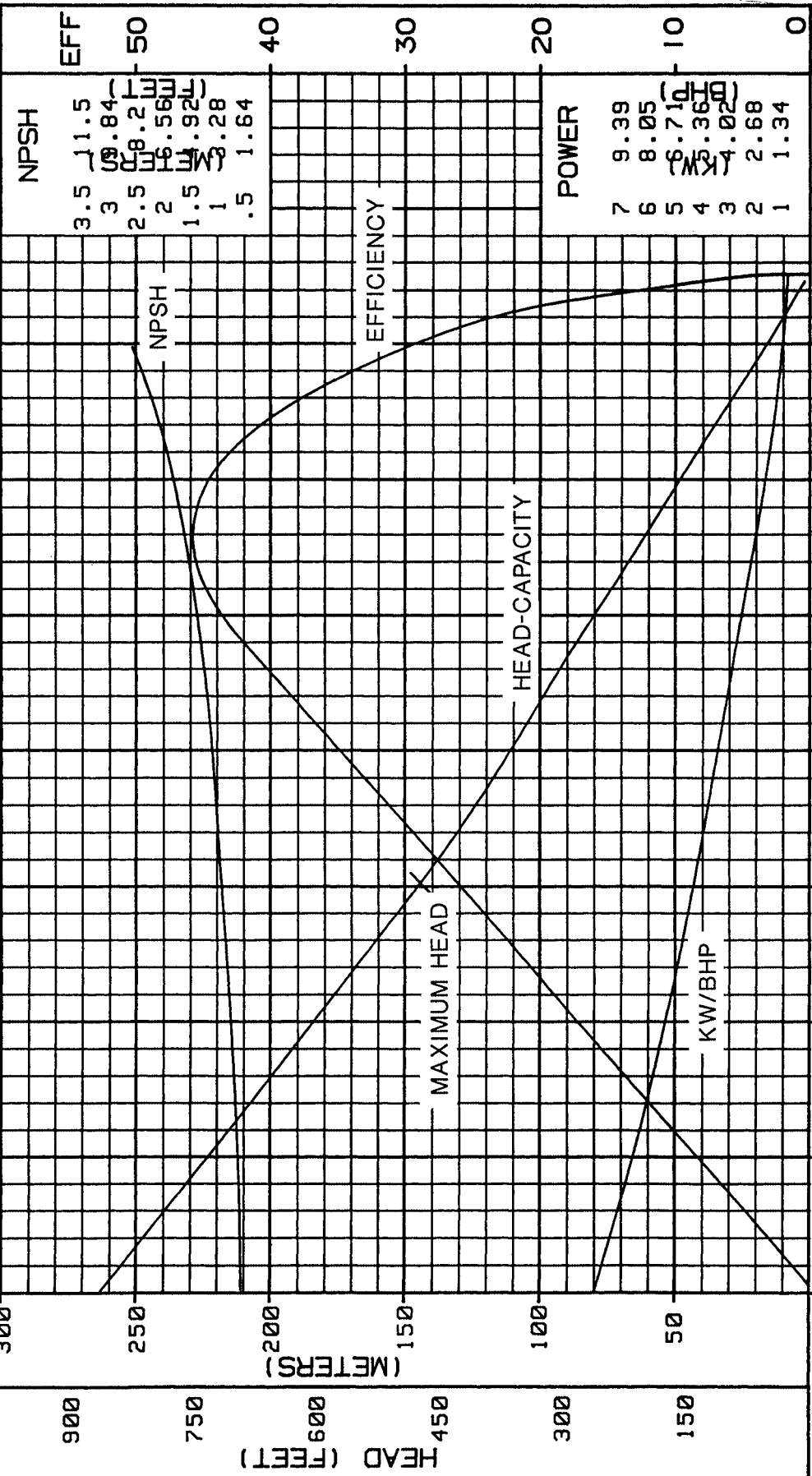
IMP. PATT. NO. 444-0823  
L.H. RING NO. 676-2017  
R.H. RING NO. 676-2018  
L.H. SPACER NO. 180-2294  
R.H. SPACER NO. -



40167 DRAWN BY: JLF APPROVED BY: S. S. S. DATE: 6-5-86 11PC-126809M50

SIZE: GX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0822  
L.H. RING NO. - 676-2019  
R.H. RING NO. - 676-2020  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -



M <sup>3</sup> /HR	1	2	3	4	5	6	7	8
L/S	.2779	.5558	.8338	1.112	1.39	1.668	1.945	2.223
U.S. GPM	4.5	9	13.5	18	22.5	27	31.5	

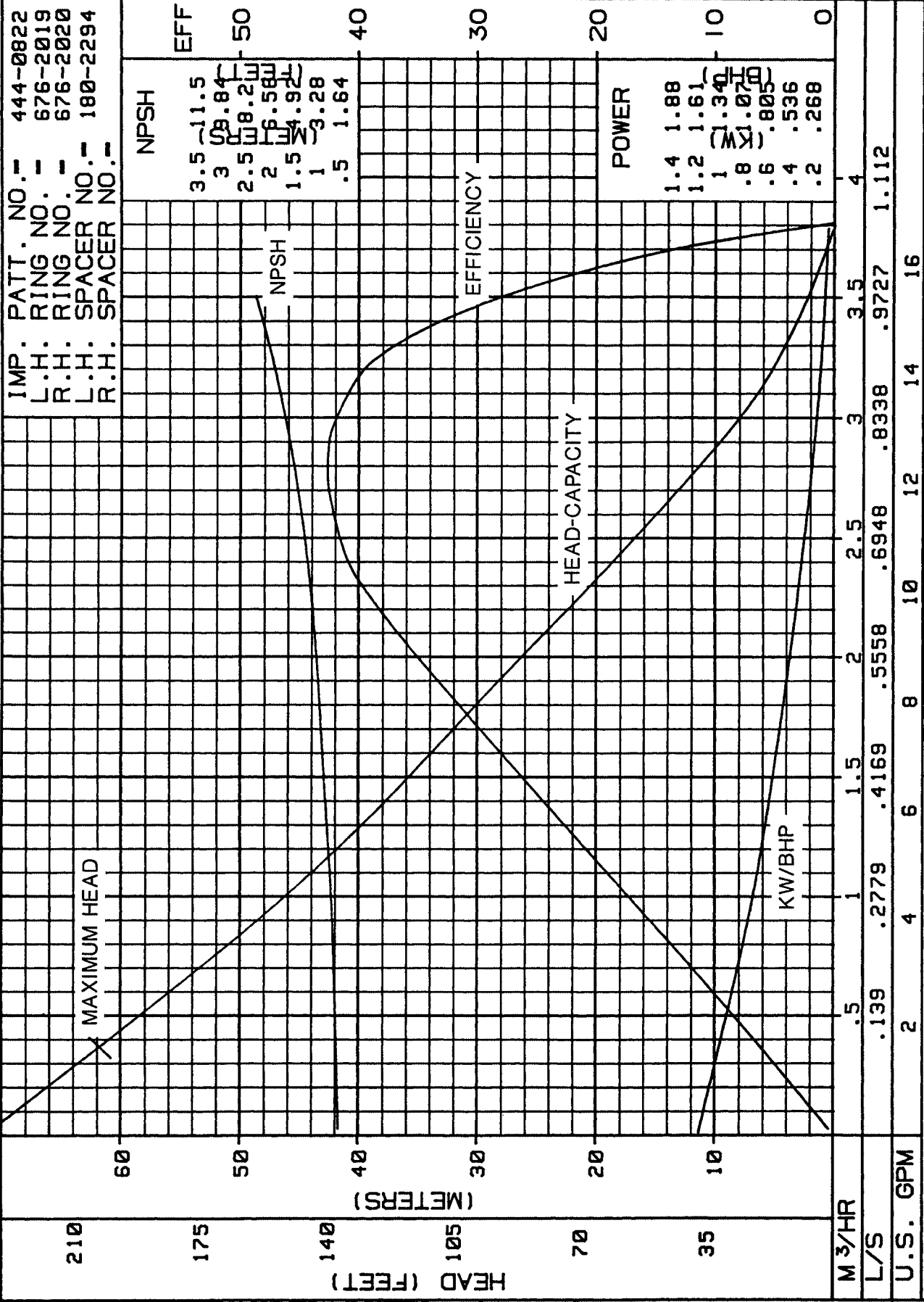
40186 DRAWN BY: JLF APPROVED BY: S<sub>ap</sub>/K<sub>e</sub> DATE: 6-5-86 11PC-126810M50

# Gx4 - 1440 RPM SINGLE STAGE IMPELLER



SIZE: GX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 1440

IMP. PATT. NO. 444-0822  
 L.H. RING NO. 676-2019  
 R.H. RING NO. 676-2020  
 L.H. SPACER NO. 180-2294  
 R.H. SPACER NO. --

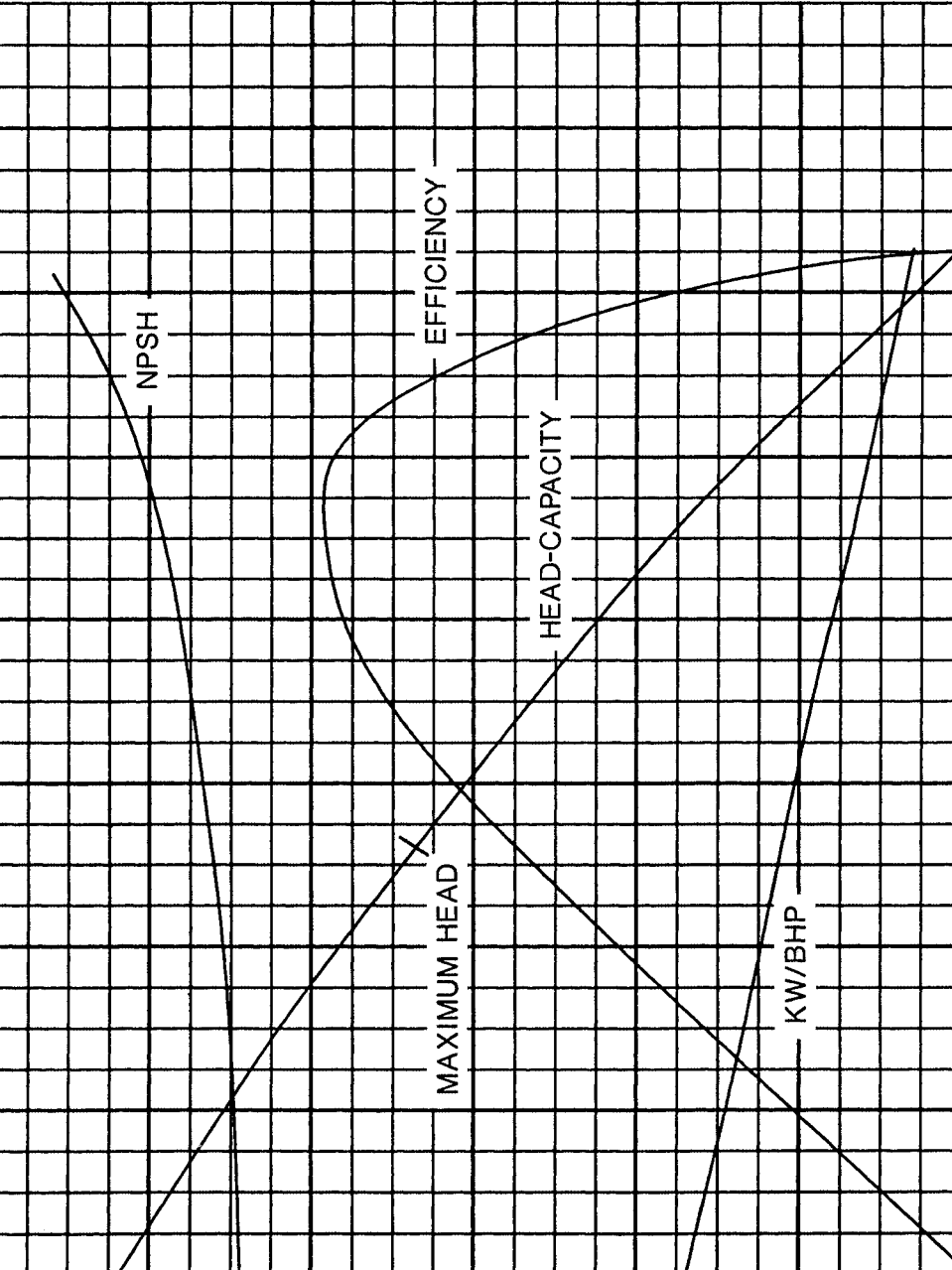


40186 DRAWN BY: JLF APPROVED BY: D. S. K<sub>a</sub> DATE: 06-05-86 11PC-126811M50

SIZE: HX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0835  
L.H. RING NO. - 676-2021  
R.H. RING NO. - 676-2022  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -

NPSH	EFF
2.50 (8.2)	50
2.00 (6.56)	
1.50 (4.92)	
1.00 (3.28)	
.50 (1.64)	



M <sup>3</sup> /HR	L/S	U.S. GPM
1.6	.4447	8
3.2	.8894	16
4.8	1.334	24
6.4	1.779	32
8	2.223	40
9.6	2.668	48
11.2	3.113	56
12.8	3.557	

POWER
5 6.71
4 (5.36) (KW)
3 (4.02)
2 (2.68)
1 (1.34)

DRAWN BY: JLF APPROVED BY: *[Signature]* DATE: 6-5-86 11PC-126812M50



SECTION 120 (Metric 50Hz)

DATE JULY 1994

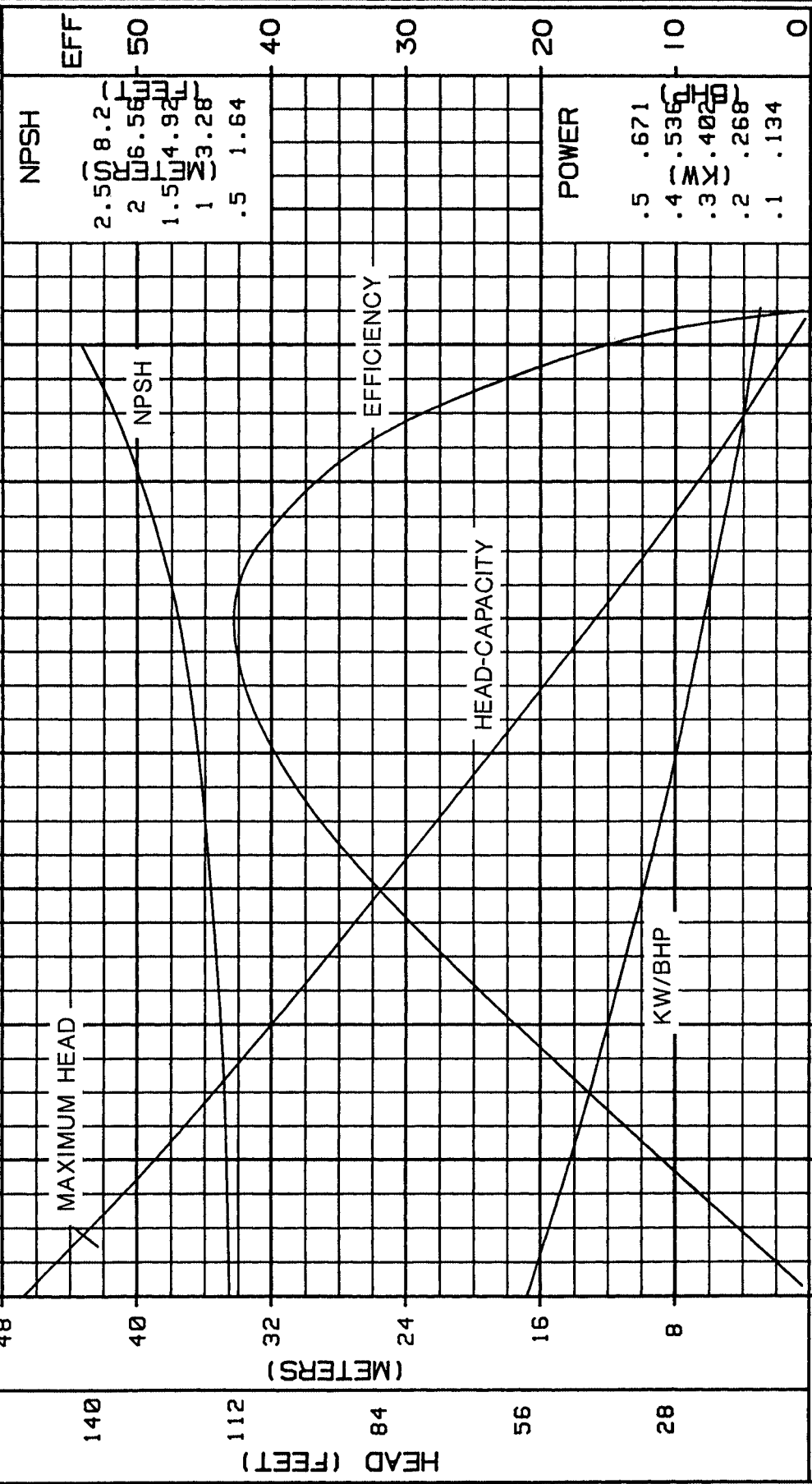
SUPERCEDES MARCH 1986

Hx4 - 1440 RPM  
SINGLE STAGE IMPELLER



SIZE: HX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 1440

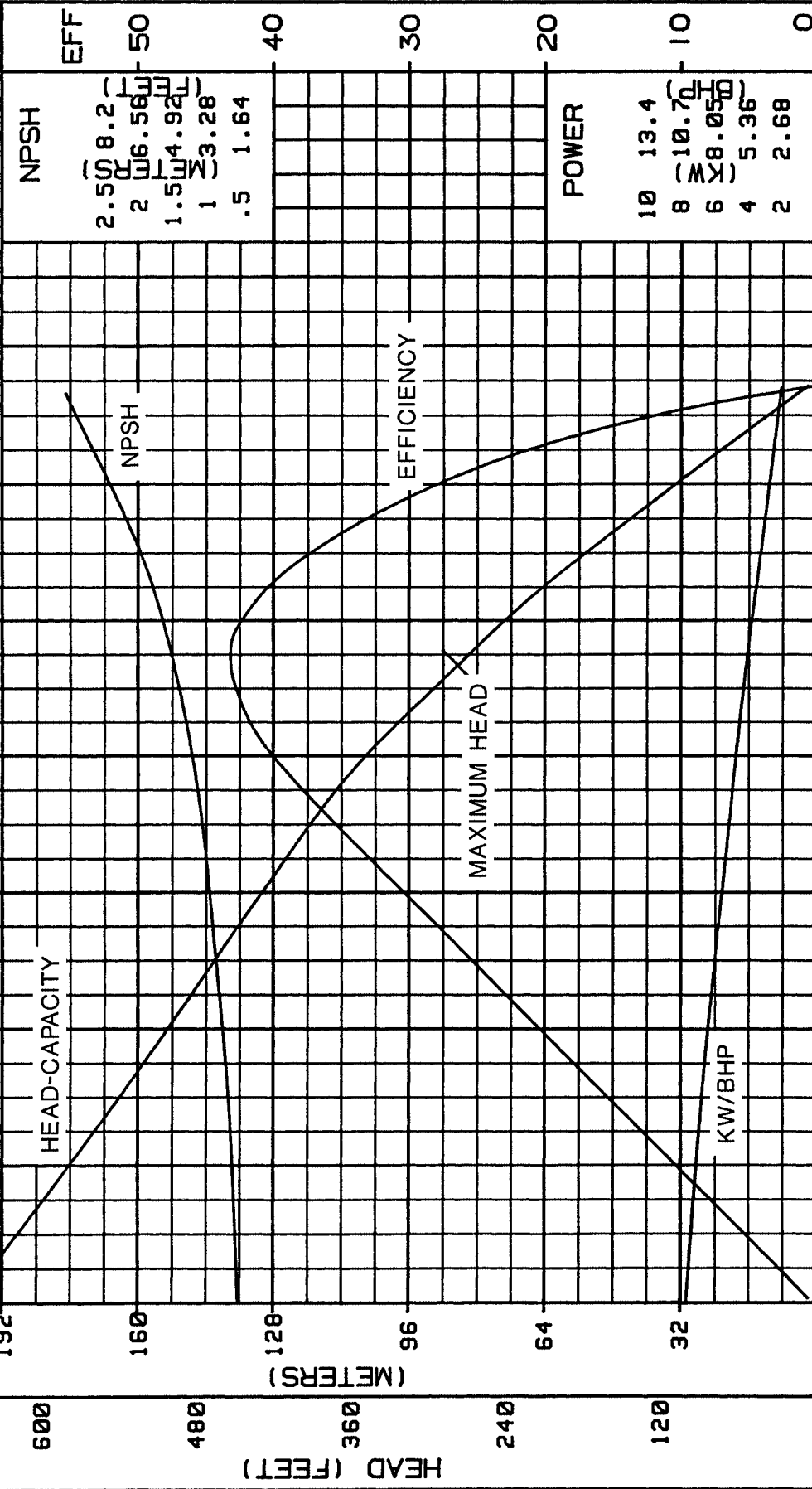
IMP. PATT. NO. - 444-0835  
L.H. RING NO. - 676-2021  
R.H. RING NO. - 676-2022  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -



M <sup>3</sup> /HR	8	1.6	2.4	3.2	4	4.8	5.6	6.4
L/S	.2223	.4447	.667	.8894	1.112	1.334	1.556	1.779
U.S. GPM	3.6	7.2	10.8	14.4	18	21.6	25.2	
40187	DRAWN BY: JLF		APPROVED BY: D. Soper		DATE: 6-5-86		11PC-126813M50	

SIZE: IX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0821  
L.H. RING NO. - 676-2023  
R.H. RING NO. - 676-2024  
L.H. SPACER NO. - 772-2294  
R.H. SPACER NO. -



M <sup>3</sup> /HR	1.6	3.2	4.8	6.4	8	9.6	11.2	12.8
L/S	.4447	.8894	1.334	1.779	2.223	2.668	3.113	3.557
U.S. GPM	8	16	24	32	40	48	56	

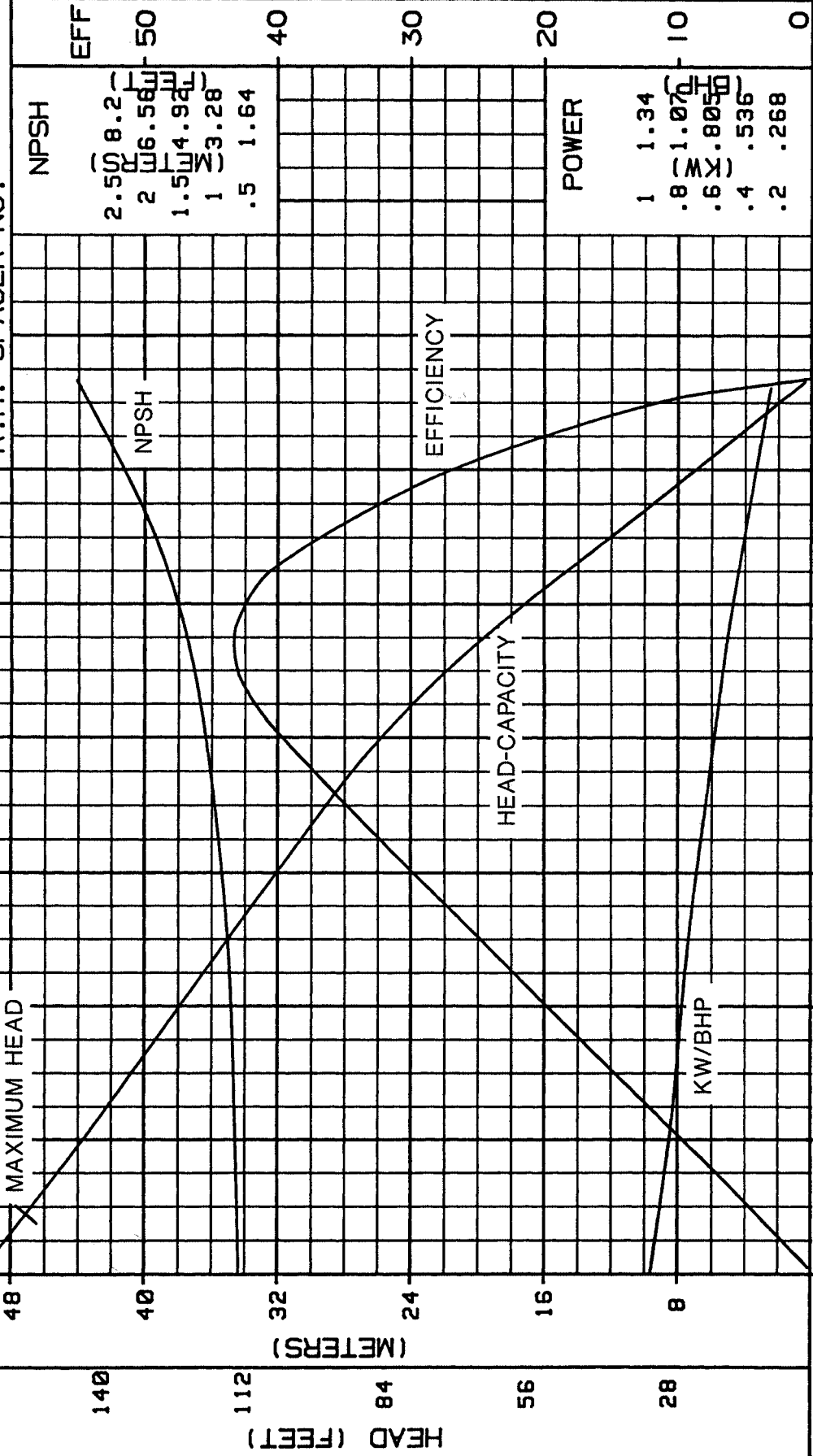
40187 DRAWN BY: JLF APPROVED BY: O. Sapp Kca DATE: 06-05-86 11PC-126814M50

**1x4 - 1440 RPM**  
**SINGLE STAGE IMPELLER**



SIZE: IX4 TYPE: 120 IMPELLER: SINGLE STAGE R.P.M.: 1440

IMP. PATT. NO. - 444-0821  
L.H. RING NO. - 676-2023  
R.H. RING NO. - 676-2024  
L.H. SPACER NO. - 180-2294  
R.H. SPACER NO. -

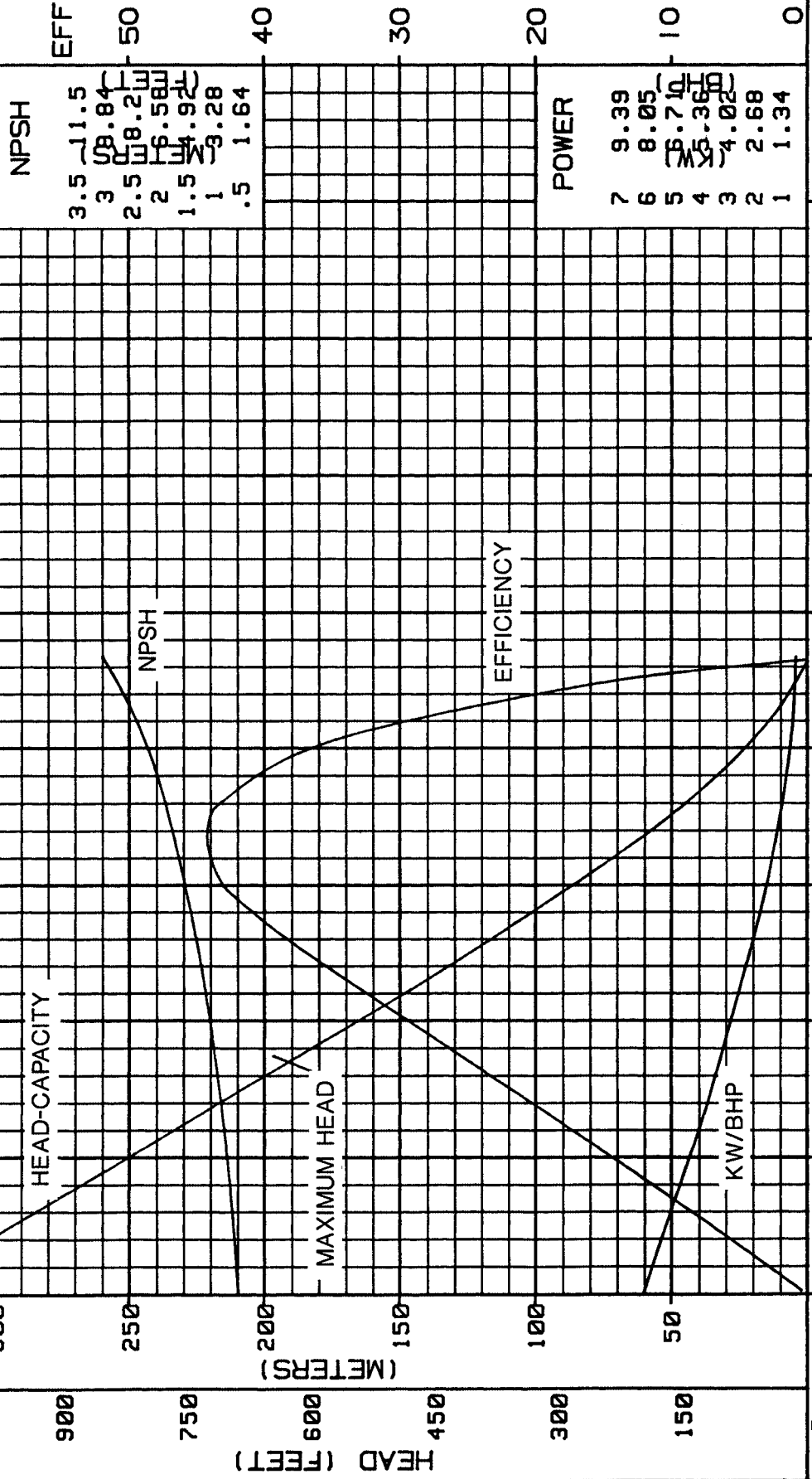


M <sup>3</sup> /HR	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4
L/S	0.2223	0.4447	0.667	0.8894	1.112	1.334	1.556	1.779
U.S. GPM	3.6	7.2	10.8	14.4	18	21.6	25.2	

40187 DRAWN BY: JLF APPROVED BY: D. Sepulveda DATE: 06-05-86 11PC-126815M50

SIZE: EX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0834  
L.H. RING NO. - 676-2015  
R.H. RING NO. - 676-2016  
L.H. SPACER NO. - 772-0240  
R.H. SPACER NO. - 772-0241



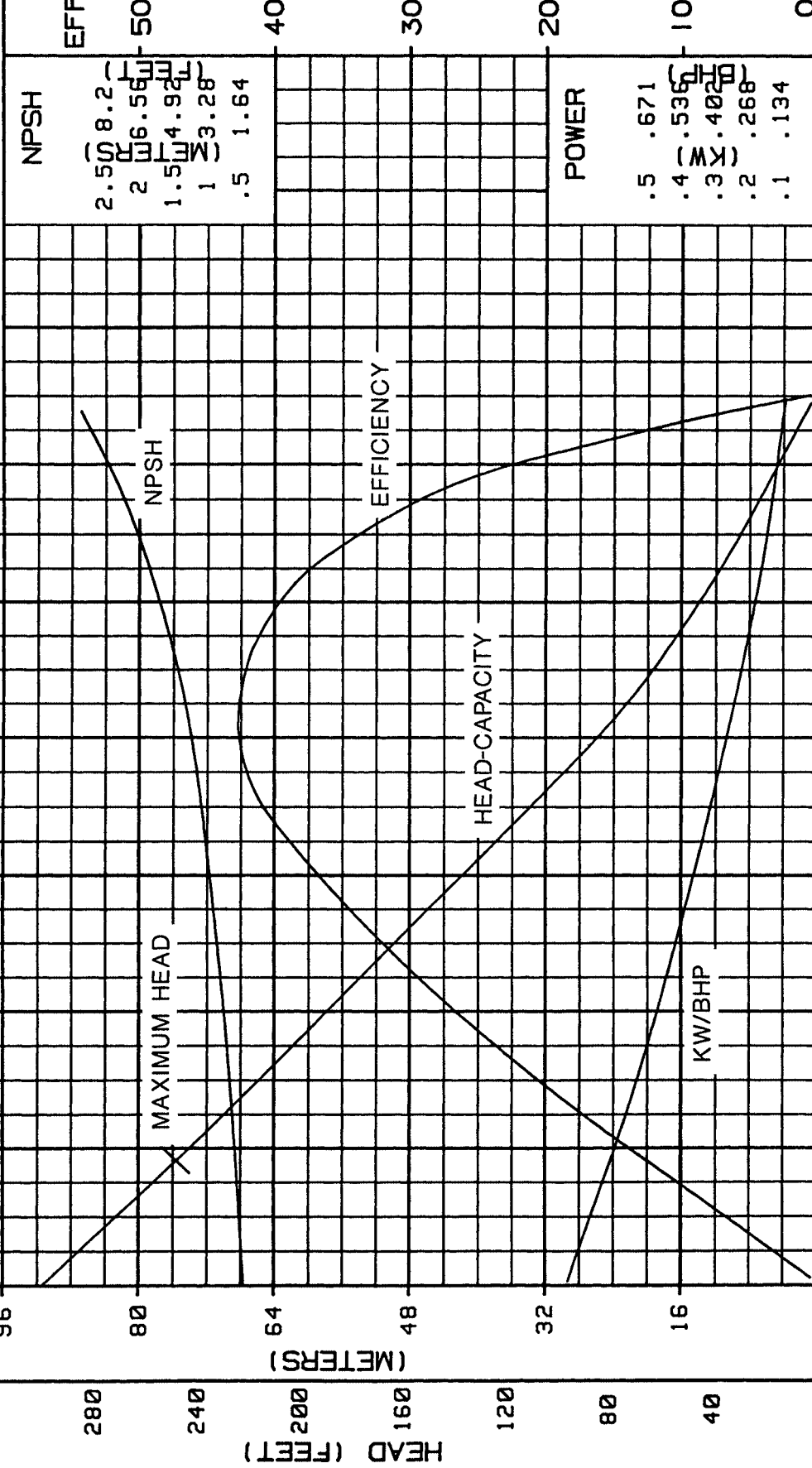
M <sup>3</sup> /HR	1	2	3	4	5	6	7	8
L/S	.2779	.5558	.8338	1.112	1.39	1.668	1.945	2.223
U.S. GPM	4.5	9	13.5	18	22.5	27	31.5	
40186	DRAWN BY: JLF APPROVED BY: <i>D. Spika</i> DATE: 06-05-86 11PC-126816M50							

**Ex4T - 1440 RPM**  
**TWO STAGE IMPELLER**



SIZE: EX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 1440

IMP. PATT. NO. - 444-0834  
L.H. RING NO. - 676-2015  
R.H. RING NO. - 676-2016  
L.H. SPACER NO. - 772-0240  
R.H. SPACER NO. - 772-0241

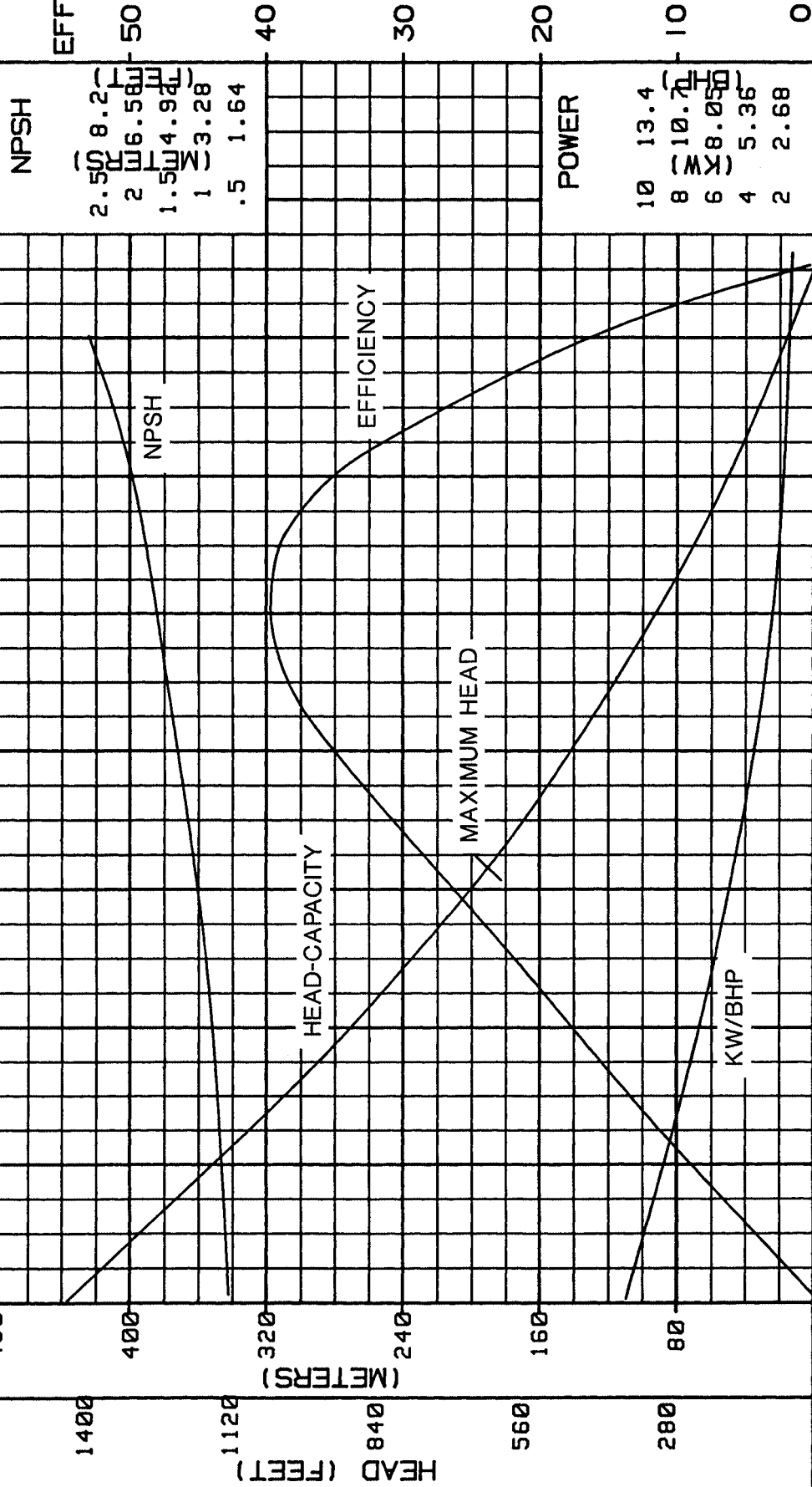


M <sup>3</sup> /HR	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2
L/S	.1112	.2223	.3335	.4447	.5558	.667	.7782	.8894
U.S. GPM	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8

40187 DRAWN BY: JLF APPROVED BY: D. Soper DATE: 6-5-86 11PC-126817M50

SIZE: FX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0823  
L.H. RING NO. - 676-2017  
R.H. RING NO. - 676-2018  
L.H. SPACER NO. - 772-0240  
R.H. SPACER NO. - 772-0243



M <sup>3</sup> /HR	.8	1.6	2.4	3.2	4	4.8	5.6	6.4
L/S	.2223	.4447	.667	.8894	1.112	1.334	1.556	1.779
U.S. GPM	3.6	7.2	10.8	14.4	18	21.6	25.2	
40167	DRAWN BY: JLF		APPROVED BY: D. Sople		DATE: 6-5-86		11PC-126818M50	

SECTION 120 (Metric 50Hz)

DATE JULY 1994

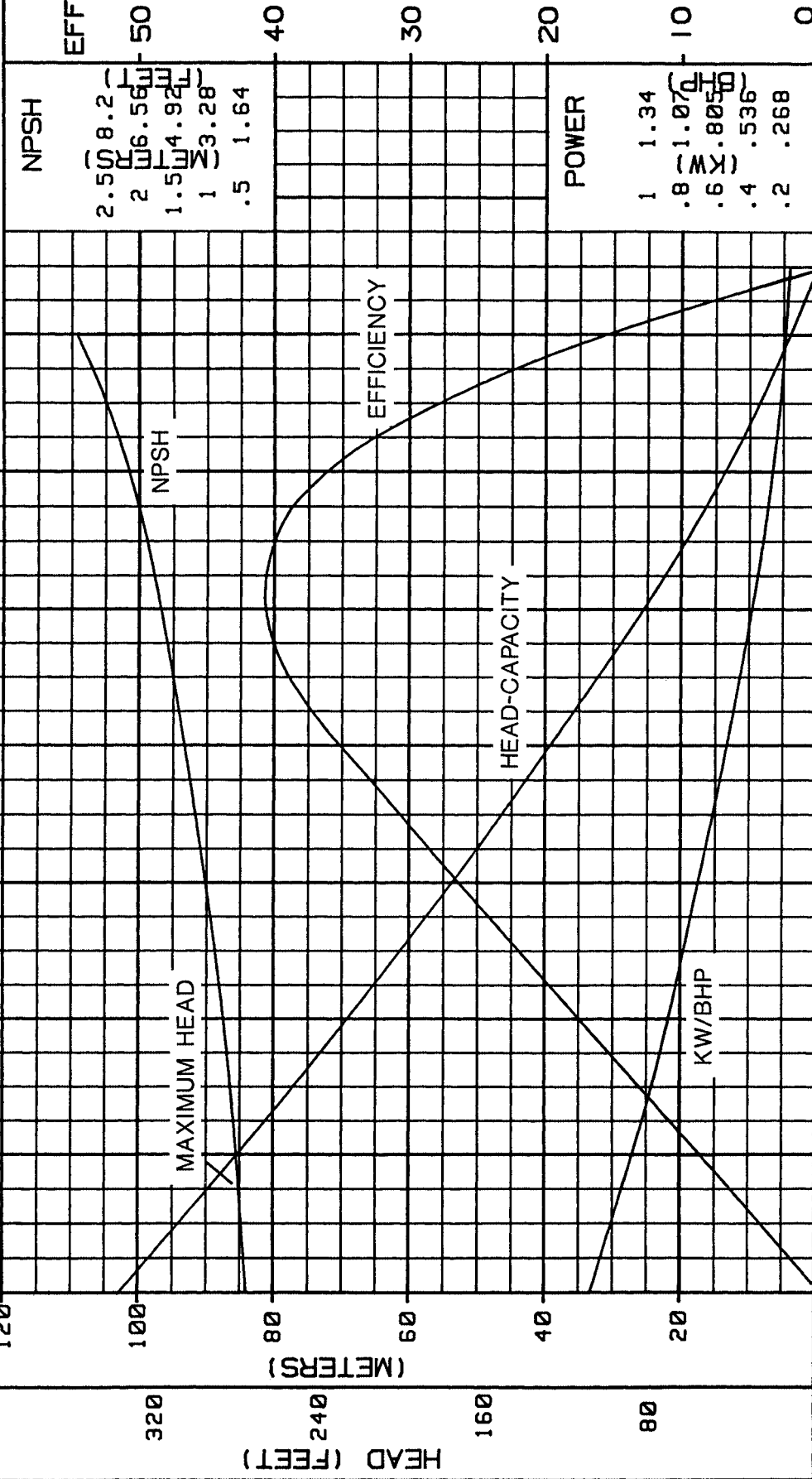
SUPERCEDES MARCH 1986

# Fx4T - 1440 RPM TWO STAGE IMPELLER



SIZE: FX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 1440

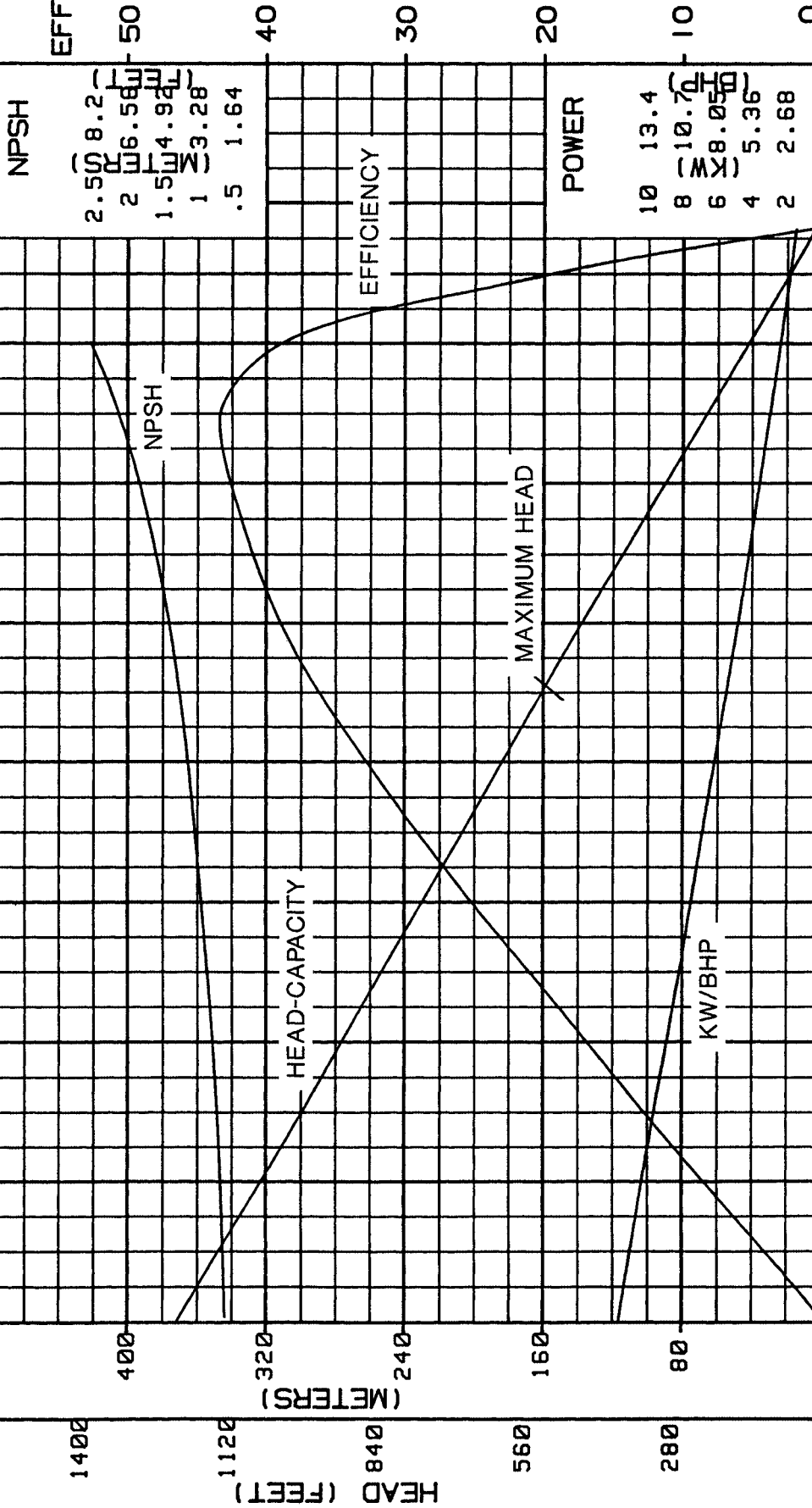
IMP. PATT. NO.: 444-0823  
 L.H. RING NO.: 676-2017  
 R.H. RING NO.: 676-2018  
 L.H. SPACER NO.: 772-0240  
 R.H. SPACER NO.: 772-0243



M <sup>3</sup> /HR	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2
L/S	.1112	.2223	.3335	.4447	.5558	.667	.7782	.8894
U.S. GPM	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8
40187	DRAWN BY: JLF		APPROVED BY: O. Sepke		DATE: 6-5-86		11PC-126819M50	

SIZE: GX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 2880

IMP. PATT. NO. - 444-0822  
L.H. RING NO. - 676-2019  
R.H. RING NO. - 676-2020  
L.H. SPACER NO. - 772-0244  
R.H. SPACER NO. - 772-0245



1680	400	1.120	0.2779	0.5558	0.8338	1.112	1.39	1.668	1.945	2.223
1400	400	1.120	4	8	12	16	20	24	28	32
1120	320	1.120	4	8	12	16	20	24	28	32
840	240	1.120	4	8	12	16	20	24	28	32
560	160	1.120	4	8	12	16	20	24	28	32
280	80	1.120	4	8	12	16	20	24	28	32
M <sup>3</sup> /HR										
L/S										
U.S. GPM										
40187										

DRAWN BY: JLF APPROVED BY: *[Signature]* DATE: 6-5-86 11PC-126820M50



SECTION 120 (Metric 50Hz)

DATE JULY 1994

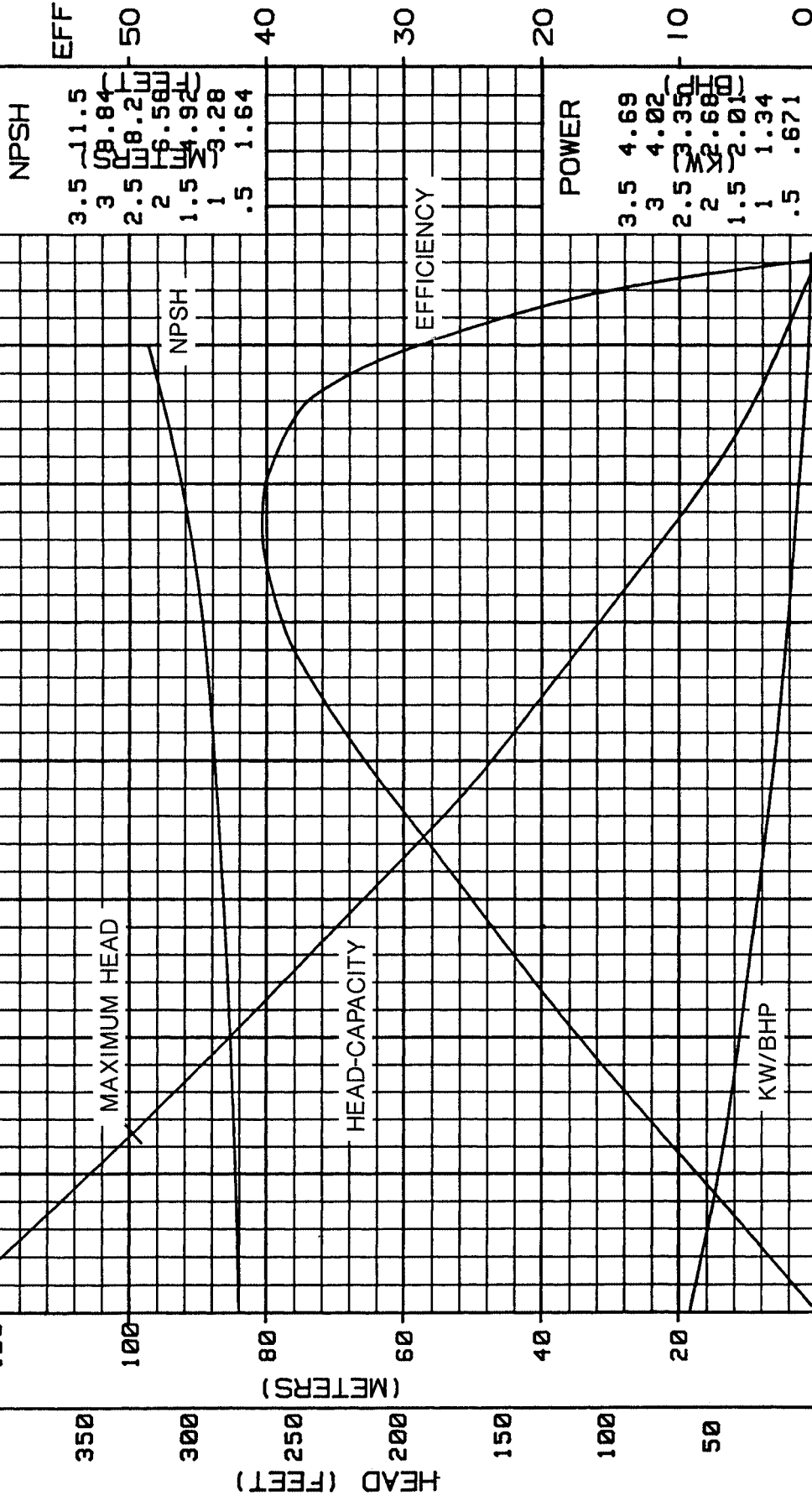
SUPERCEDES MARCH 1986

# Gx4T - 1440 RPM TWO STAGE IMPELLER



SIZE: GX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 1440

IMP. PATT. NO.: 444-0822  
 L.H. RING NO.: 676-2019  
 R.H. RING NO.: 676-2020  
 L.H. SPACER NO.: 772-0244  
 R.H. SPACER NO.: 772-0245

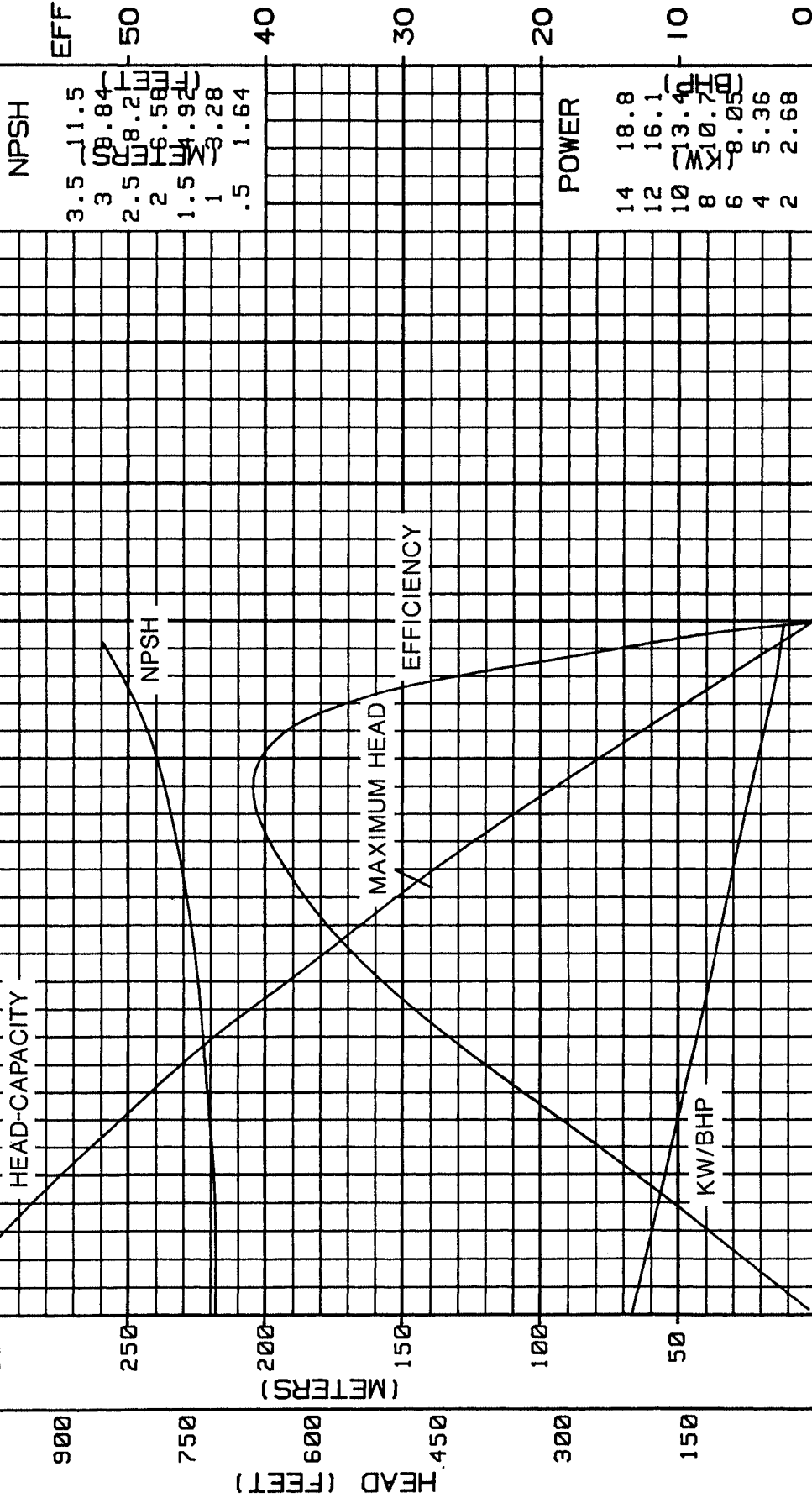


M <sup>3</sup> /HR	.5	1	1.5	2	2.5	3	3.5	4
L/S	.139	.2779	.4169	.5559	.6948	.8338	.9728	1.112
U.S. GPM	2	4	6	8	10	12	14	16

40166 DRAWN BY: JLF APPROVED BY: D. Sopka DATE: 06-05-86 11PC-126821M50

SIZE: HX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 2880

IMP. PATT. NO.: 444-0835  
L.H. RING NO.: - 676-2021  
R.H. RING NO.: - 676-2022  
L.H. SPACER NO.: - 772-0246  
R.H. SPACER NO.: - 772-0247



M <sup>3</sup> /HR	2	4	6	8	10	12	14	16
L/S	.5558	1.112	1.668	2.223	2.779	3.335	3.891	4.447
U.S. GPM	10	20	30	40	50	60	70	
40186	DRAWN BY: JLF APPROVED BY: D. Sopka DATE: 6-5-86 11PC-126822M50							

SECTION 120 (Metric 50Hz)

DATE JULY 1994

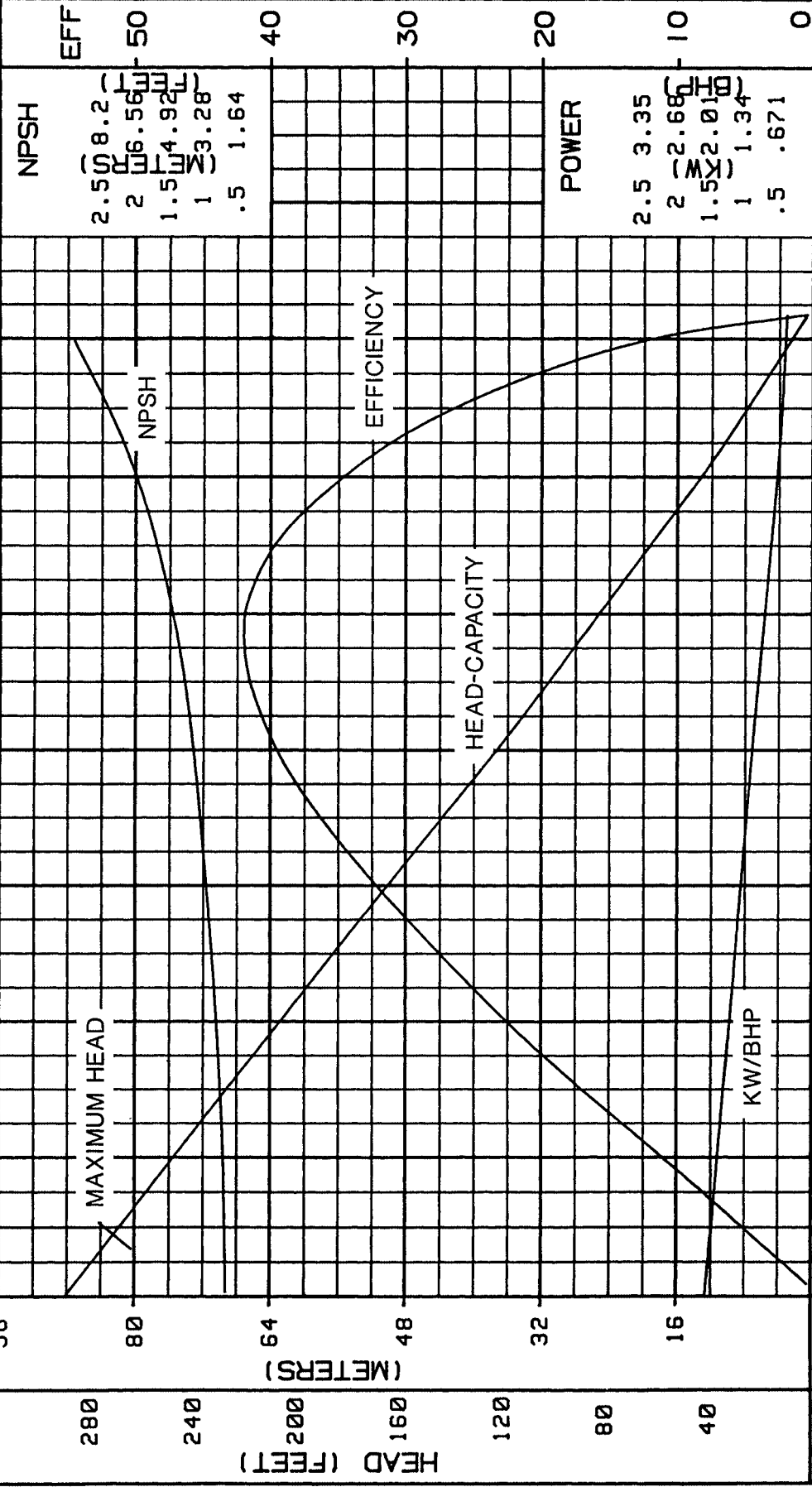
SUPERCEDES MARCH 1986

# Hx4T - 1440 RPM TWO STAGE IMPELLER



SIZE: HX4T TYPE: 120 IMPELLER: TWO STAGE R.P.M.: 1440

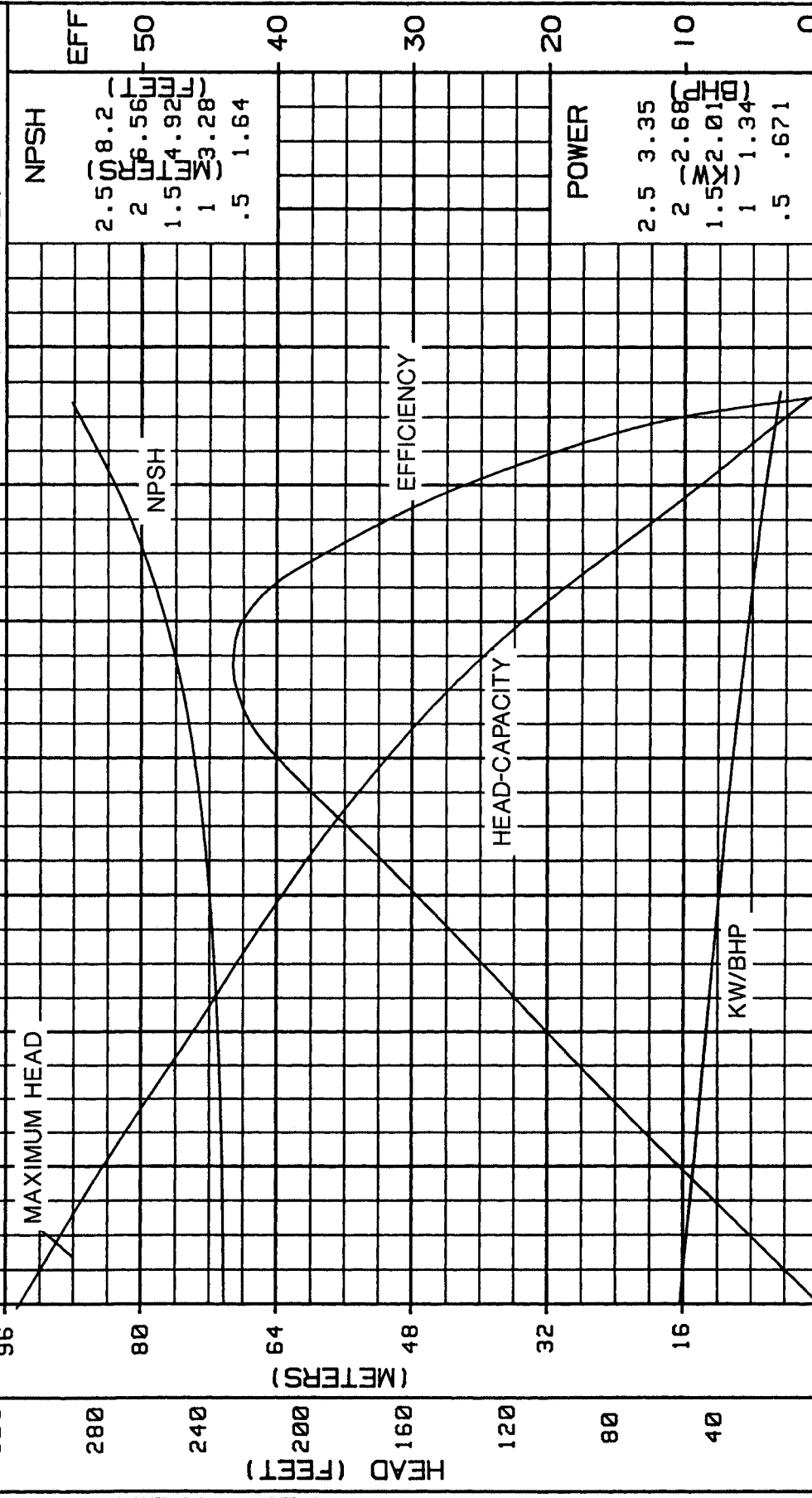
IMP. PATT. NO. - 444-0835  
 L.H. RING NO. - 676-2021  
 R.H. RING NO. - 676-2022  
 L.H. SPACER NO. - 772-0246  
 R.H. SPACER NO. - 772-0247



40187  
 DRAWN BY: JLF  
 APPROVED BY: O. Sople  
 DATE: 6-5-86  
 11PC-126823M50

SIZE: **1X4T** TYPE: **120** IMPELLER: **TWO STAGE** R.P.M.: **1440**

IMP. PATT. NO. - **444-0821**  
L.H. RING NO. - **676-2023**  
R.H. RING NO. - **676-2024**  
L.H. SPACER NO. - **772-0248**  
R.H. SPACER NO. - **772-0249**



M <sup>3</sup> /HR	.8	1.6	2.4	3.2	4	4.8	5.6	6.4
L/S	.2223	.4447	.667	.8894	1.112	1.334	1.556	1.779
U.S. GPM	3.6	7.2	10.8	14.4	18	21.6	25.2	
40187	DRAWN BY: JLF		APPROVED BY: D. Sopka		DATE: 6-5-86		11PC-126824M50	