



Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

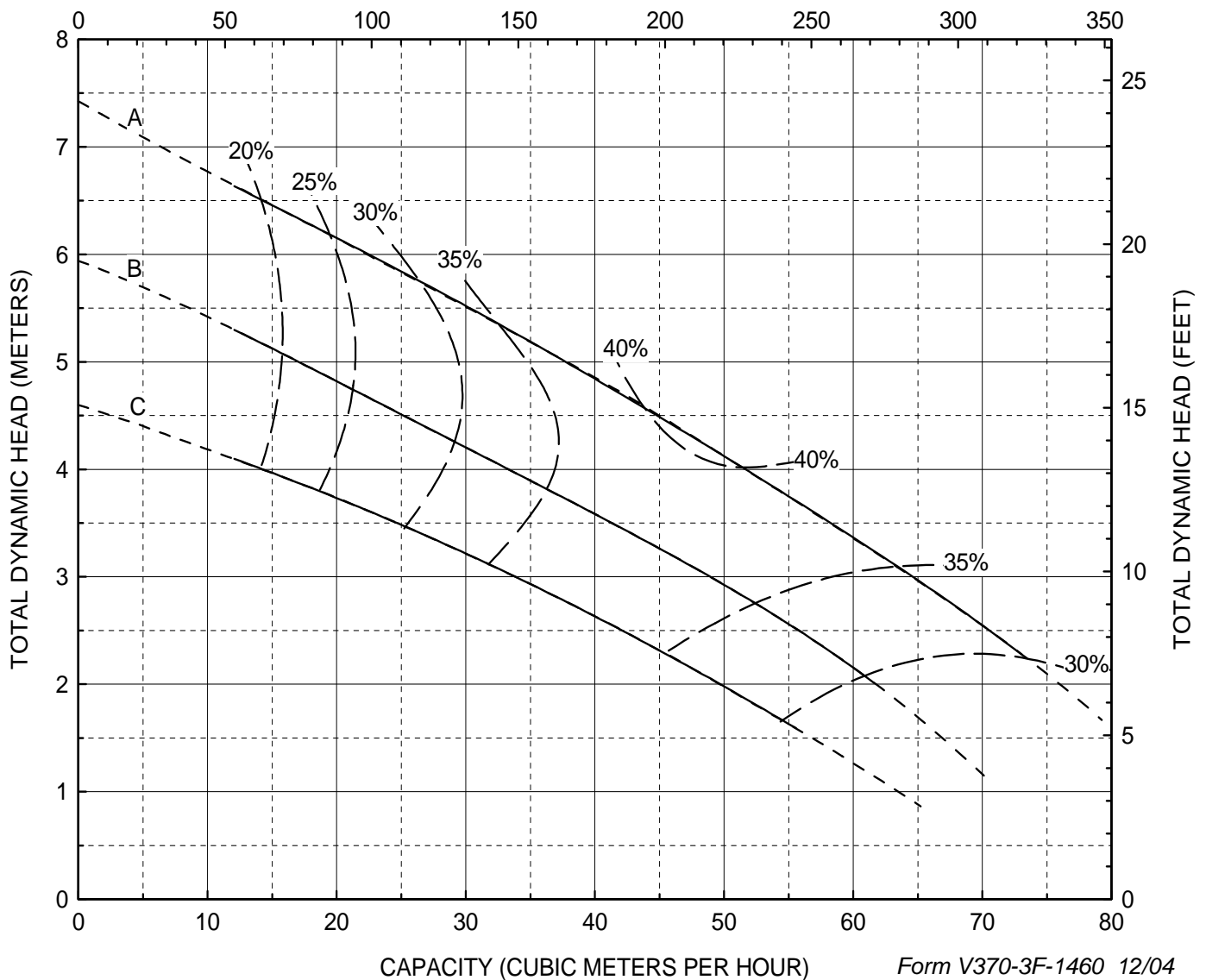
Models:
HE3F6
PE3F6
SE3F

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	4	1460	6.50" (165 mm)
B	4	1460	6.00" (152 mm)
C	4	1460	5.50" (140 mm)

Back-Pull-Out Casing
2-Blade Impeller
3" ANSI Discharge
6" ANSI Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-3F-1460 12/04



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Vaughan E Series Chopper Pump PERFORMANCE CURVE

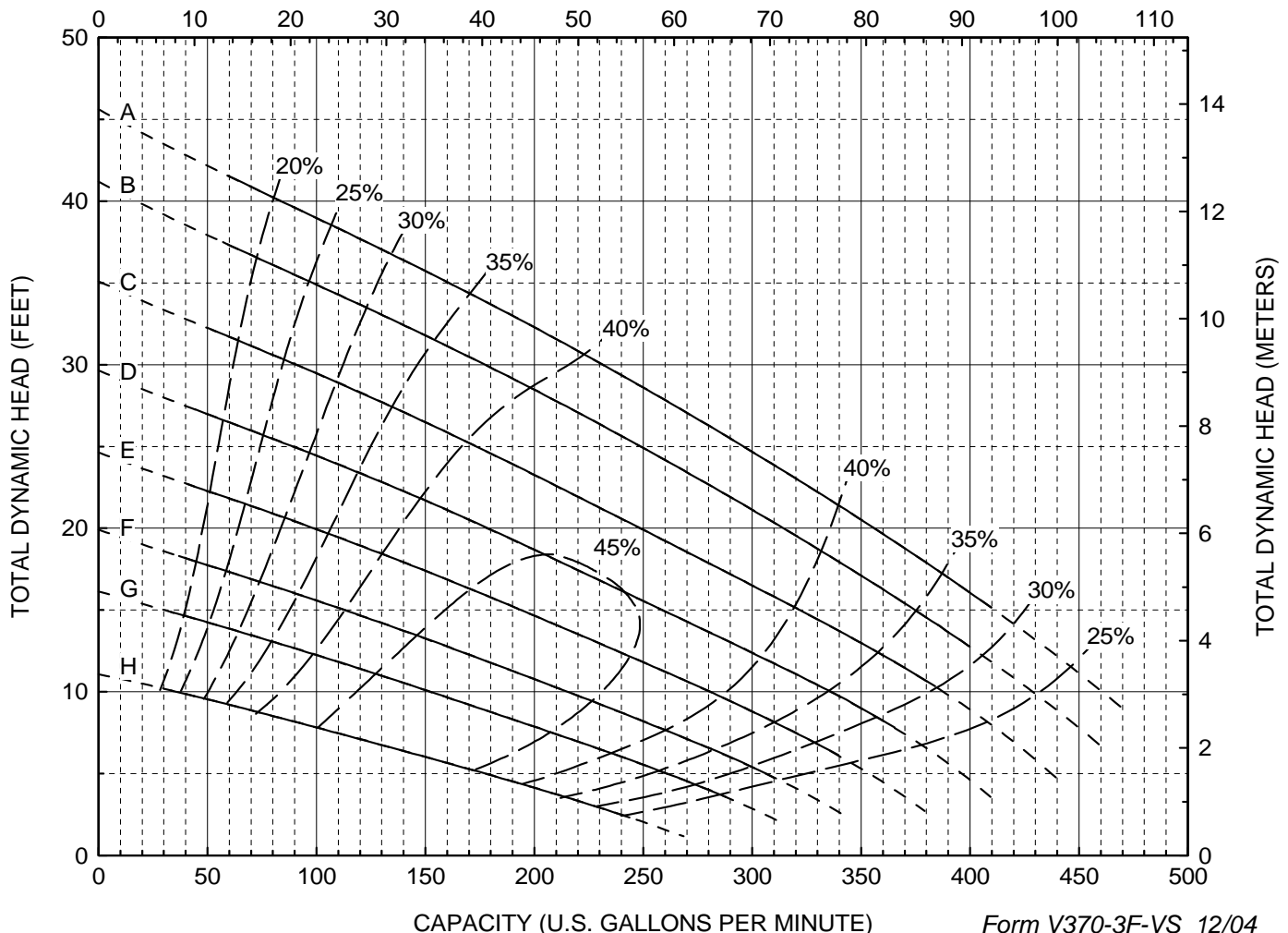
Models:
HE3F6
PE3F6
SE3F

Back-Pull-Out Casing
2-Blade Impeller
3" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	7.5/ 5.5	2000	6.50" (165 mm)
B	7.5/ 5.5	1900	6.50" (165 mm)
C	5 / 4	1750	6.50" (165 mm)
D	5 / 4	1600	6.50" (165 mm)
E	5 / 4	1460	6.50" (165 mm)
F	5 / 4	1300	6.50" (165 mm)
G	5 / 4	1170	6.50" (165 mm)
H	5 / 4	970	6.50" (165 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-3F-VS 12/04



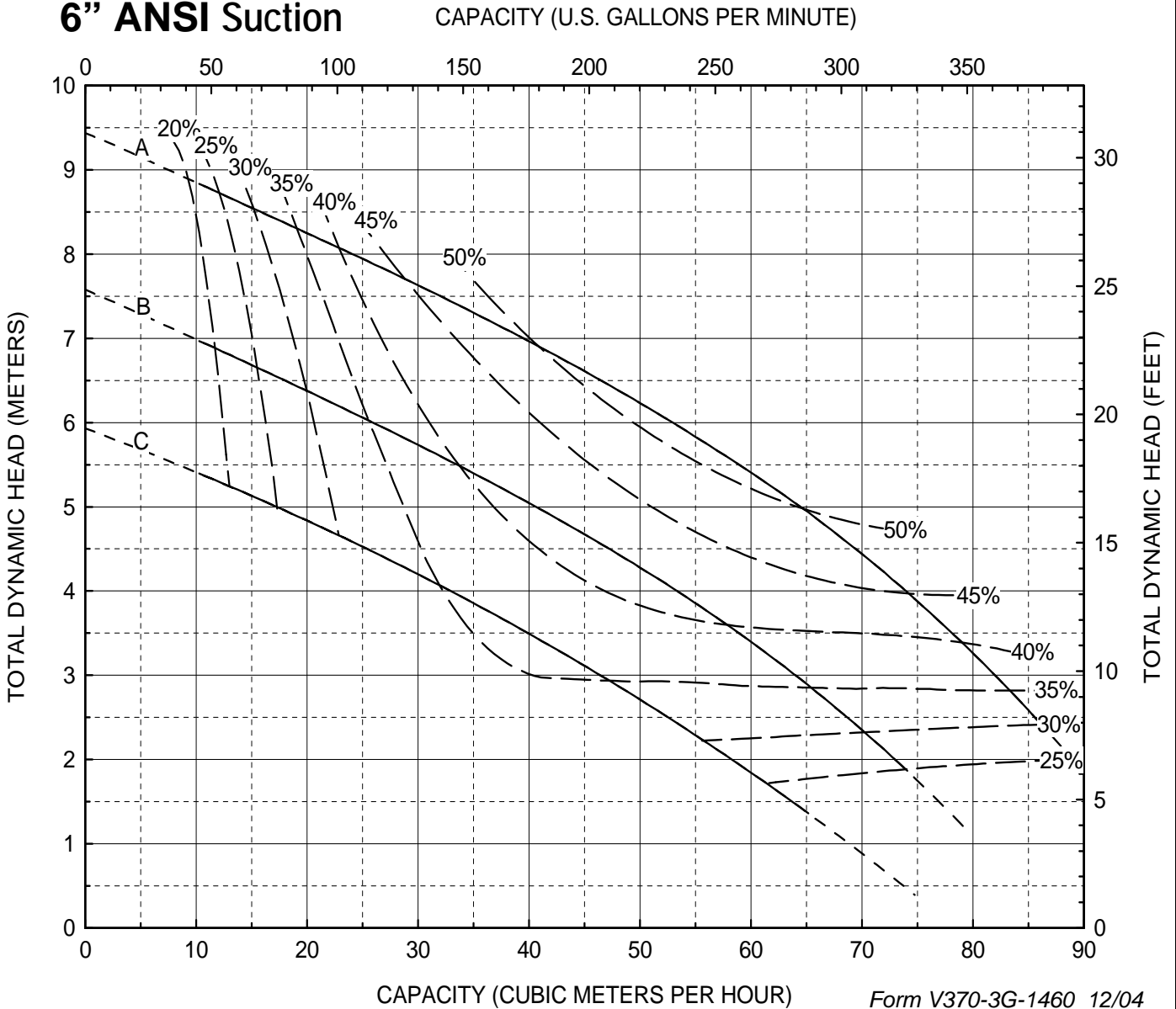
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE3G6
PE3G6
SE3G

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	4	1460	6.50" (165 mm)
B	4	1460	6.00" (152 mm)
C	4	1460	5.50" (140 mm)

Back-Pull-Out Casing
4-Blade Impeller
3" ANSI Discharge
6" ANSI Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.





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Vaughan E Series Chopper Pump PERFORMANCE CURVE

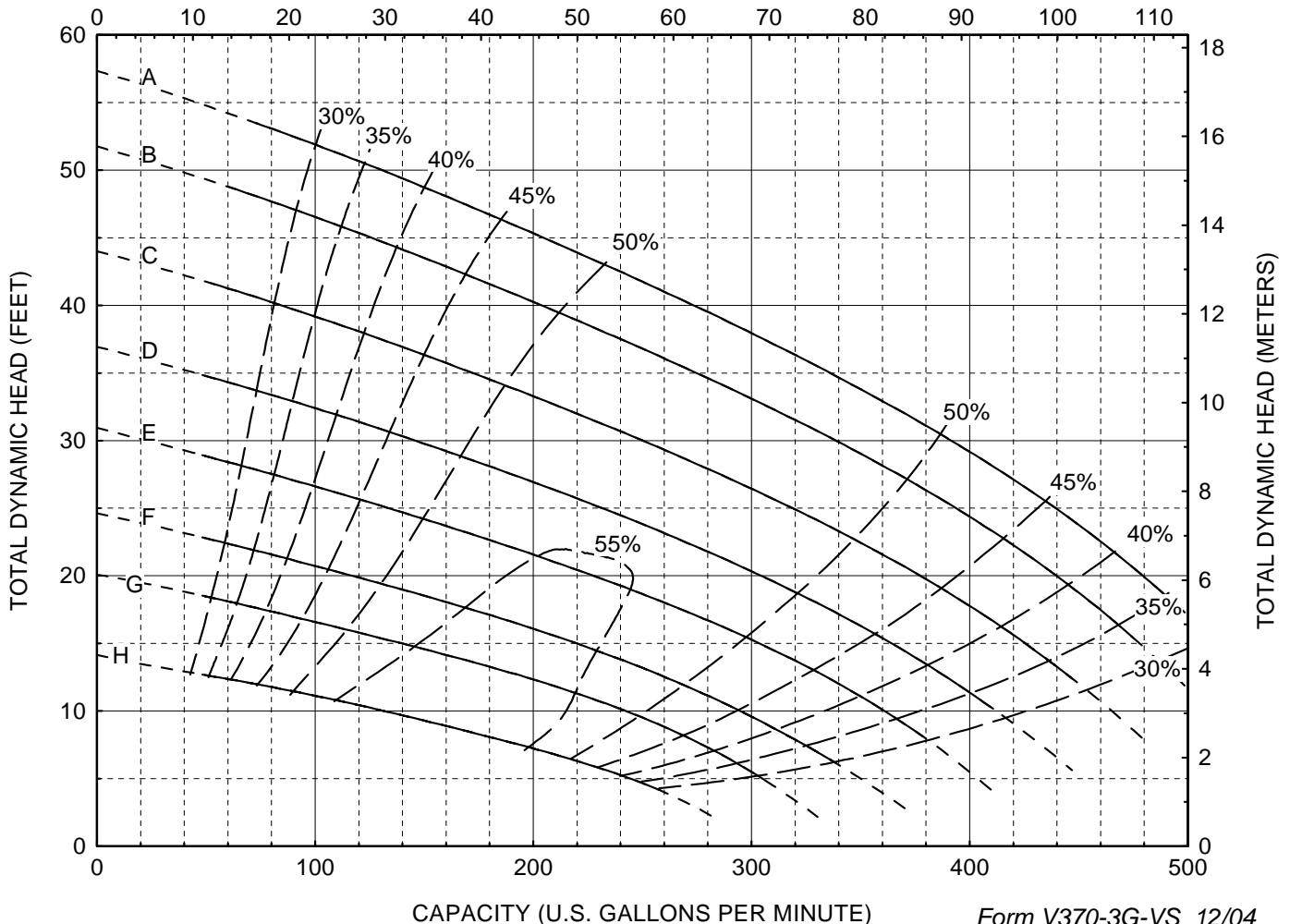
Models:
HE3G6
PE3G6
SE3G

Back-Pull-Out Casing
4-Blade Impeller
3" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	7.5 / 5.5	2000	6.50" (165 mm)
B	7.5 / 5.5	1900	6.50" (165 mm)
C	5 / 4	1750	6.50" (165 mm)
D	5 / 4	1600	6.50" (165 mm)
E	5 / 4	1460	6.50" (165 mm)
F	5 / 4	1300	6.50" (165 mm)
G	5 / 4	1170	6.50" (165 mm)
H	5 / 4	970	6.50" (165 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-3G-VS 12/04



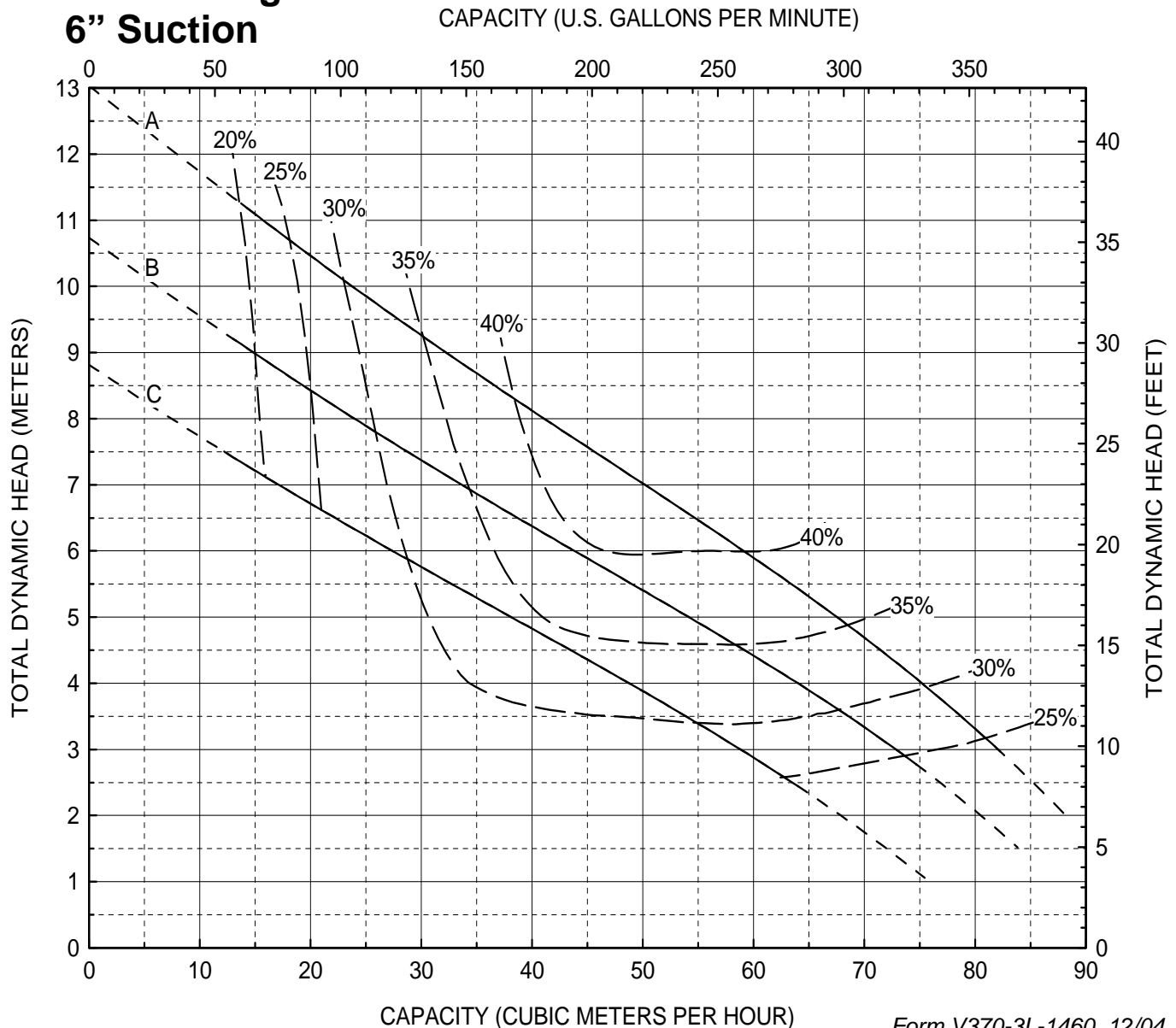
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE3L6
PE3L6
SE3L

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	4	1460	8.00" (203 mm)
B	4	1460	7.50" (191 mm)
C	4	1460	7.00" (178 mm)

Back-Pull-Out Casing
3-Blade Impeller
3" Discharge
6" Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.





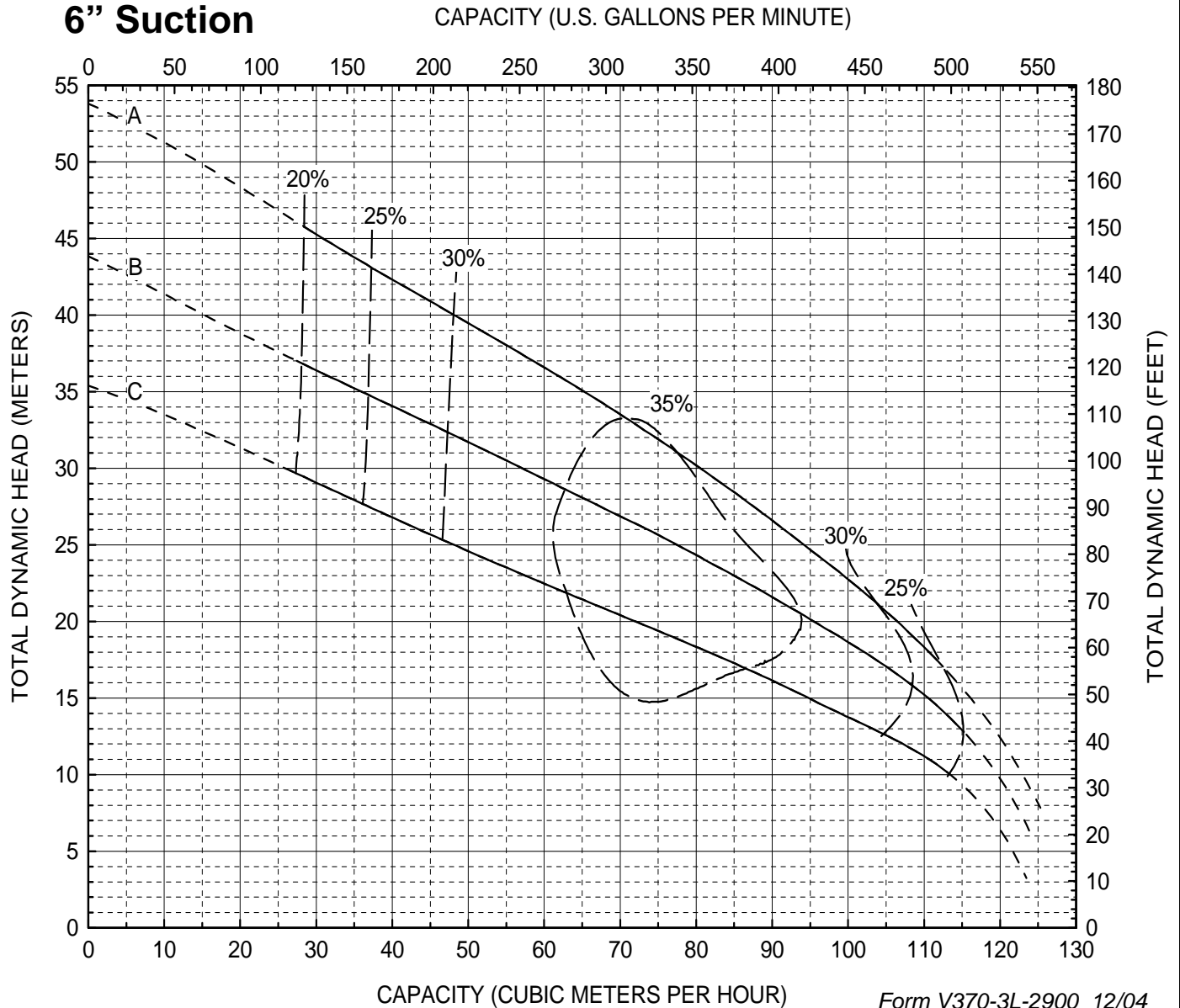
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE3L6
PE3L6
SE3L

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	22	2900	8.00" (203 mm)
B	18.5	2900	7.50" (191 mm)
C	15	2900	7.00" (178 mm)

Back-Pull-Out Casing
3-Blade Impeller
3" Discharge
6" Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.





Vaughan E Series Chopper Pump PERFORMANCE CURVE

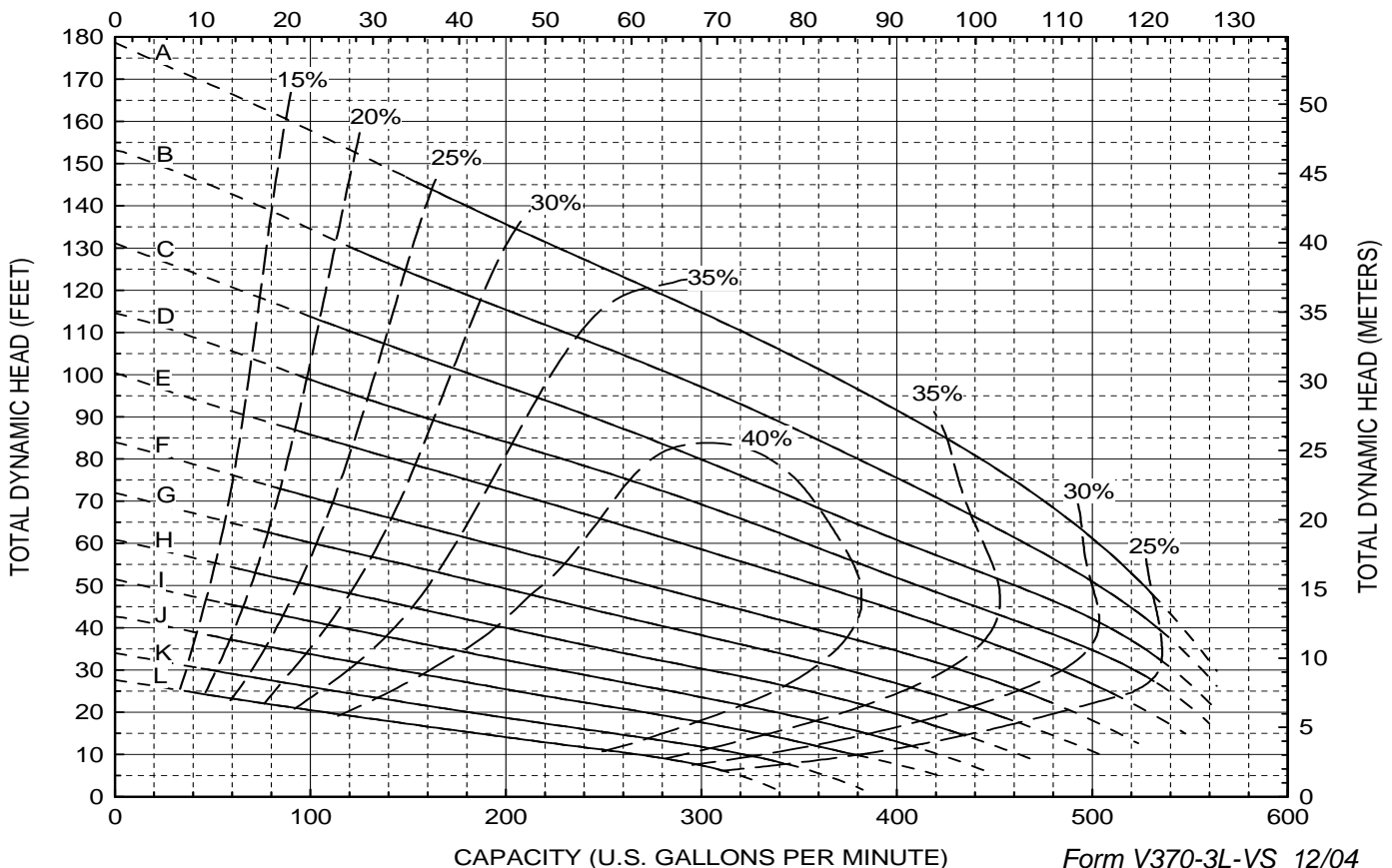
Models:
HE3L6
PE3L6
SE3L

Back-Pull-Out Casing
3-Blade Impeller
3" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	30 / 22	2900	8.00" (203 mm)
B	25 / 18.5	2700	8.00" (203 mm)
C	20 / 15	2500	8.00" (203 mm)
D	15 / 11	2350	8.00" (203 mm)
E	15 / 11	2200	8.00" (203 mm)
F	10 / 7.5	2050	8.00" (203 mm)
G	10 / 7.5	1900	8.00" (203 mm)
H	7.5 / 5.5	1750	8.00" (203 mm)
I	7.5 / 5.5	1600	8.00" (203 mm)
J	5 / 4	1460	8.00" (203 mm)
K	5 / 4	1300	8.00" (203 mm)
L	5 / 4	1170	8.00" (203 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-3L-VS 12/04



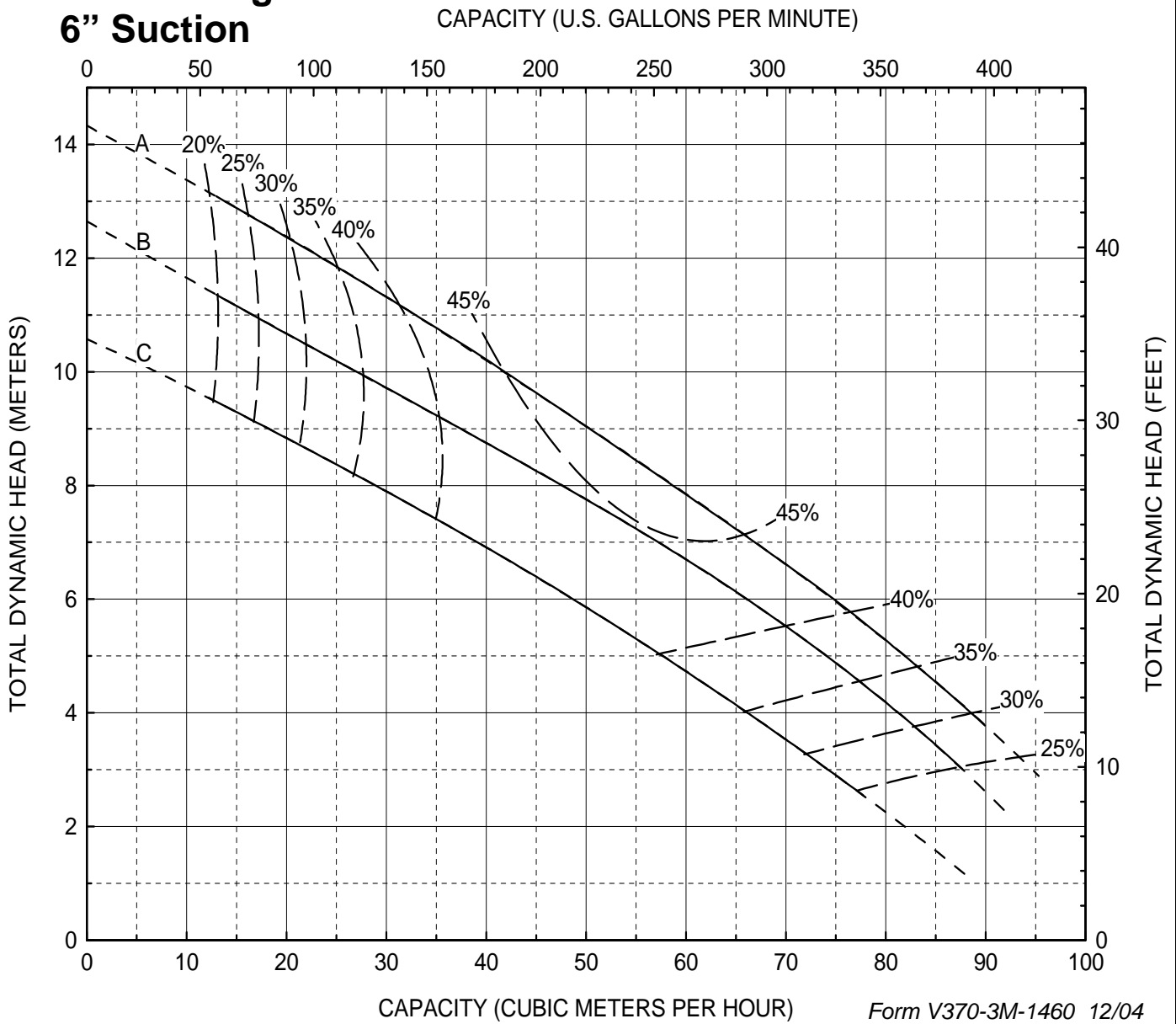
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE3M6
PE3M6
SE3M

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	4	1460	8.00" (203 mm)
B	4	1460	7.50" (191 mm)
C	4	1460	7.00" (178 mm)

Back-Pull-Out Casing
5-Blade Impeller
3" Discharge
6" Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.





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Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

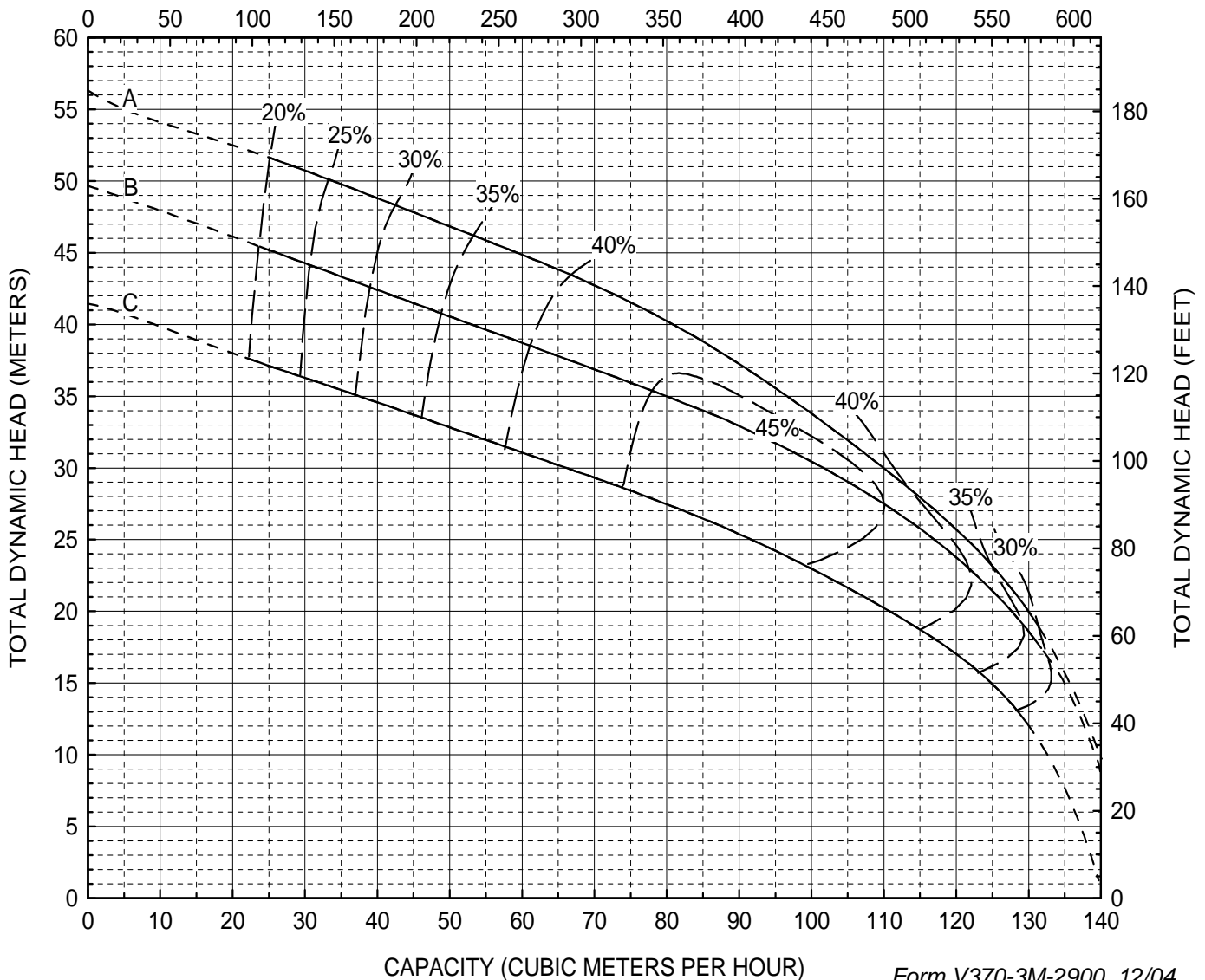
Models:
HE3M6
PE3M6
SE3M

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	30 ¹	2900	8.00" (203 mm)
B	22 ²	2900	7.50" (191 mm)
C	18.5 ³	2900	7.00" (178 mm)

Back-Pull-Out Casing
5-Blade Impeller
3" Discharge
6" Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.
¹ EXCEEDS 22 KW BEYOND 110 M3/HR. ² EXCEEDS 18.5 KW BEYOND 115 M3/HR.
³ EXCEEDS 15 KW BEYOND 120 M3/HR.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-3M-2900 12/04



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Vaughan E Series Chopper Pump PERFORMANCE CURVE

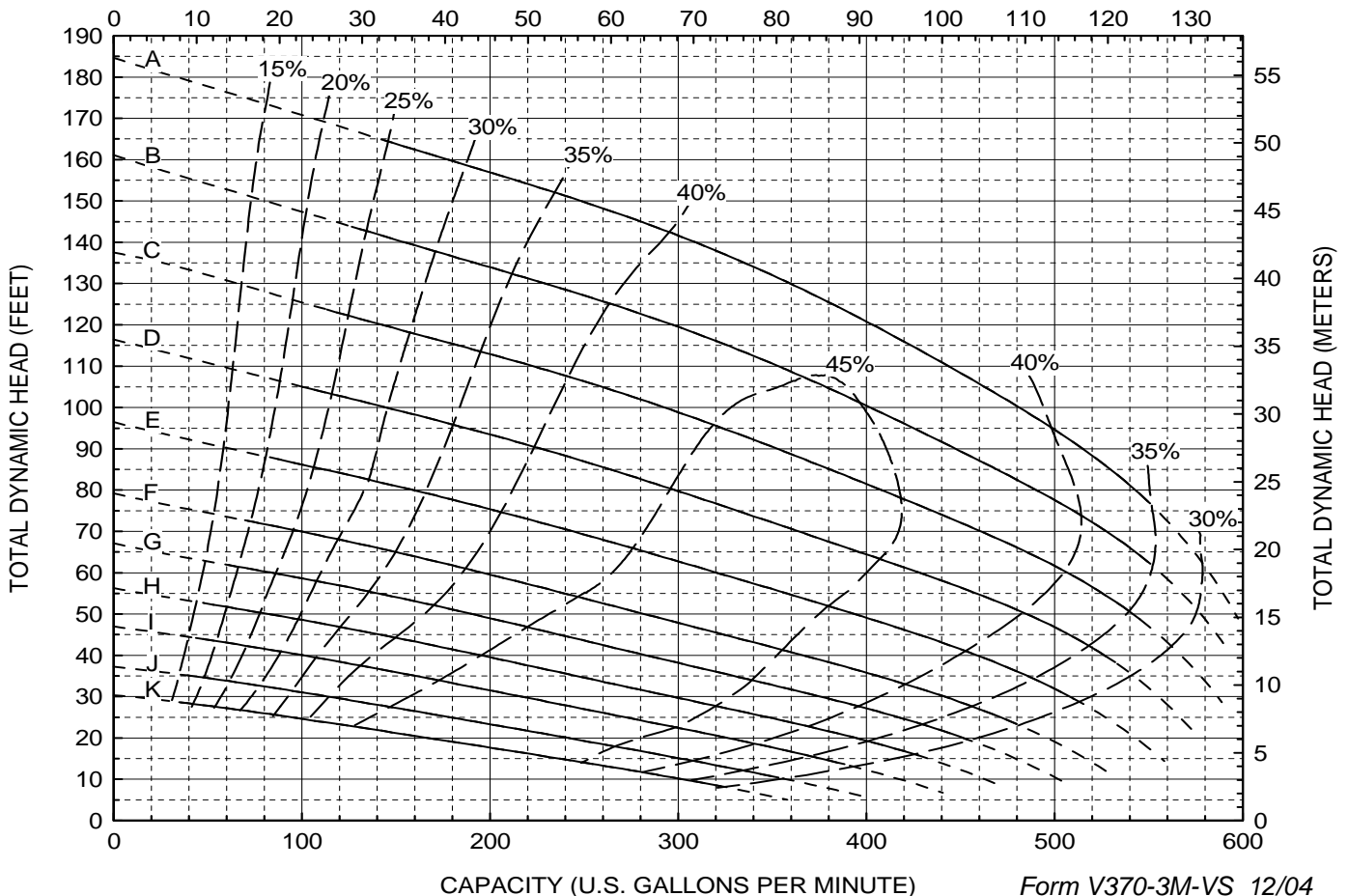
Models:
HE3M6
PE3M6
SE3M

Back-Pull-Out Casing
5-Blade Impeller
3" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	30 / 22	2900	8.00" (203 mm)
B	25 / 18.5	2700	8.00" (203 mm)
C	20 / 15	2500	8.00" (203 mm)
D	20 / 15	2300	8.00" (203 mm)
E	15 / 11	2100	8.00" (203 mm)
F	10 / 7.5	1900	8.00" (203 mm)
G	7.5 / 5.5	1750	8.00" (203 mm)
H	7.5 / 5.5	1600	8.00" (203 mm)
I	7.5 / 5.5	1460	8.00" (203 mm)
J	5 / 4	1300	8.00" (203 mm)
K	5 / 4	1170	8.00" (203 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-3M-VS 12/04



Vaughan®

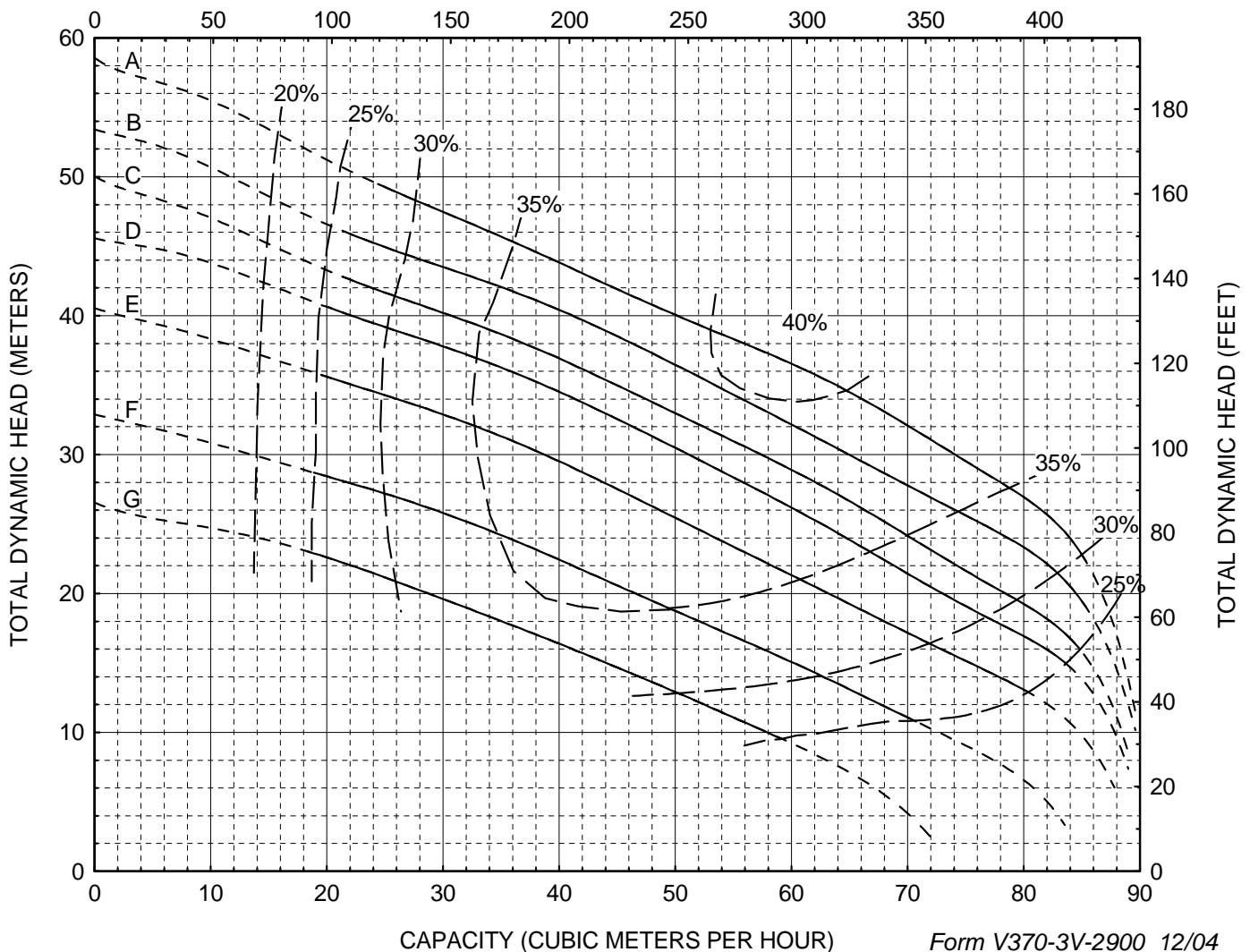
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE3V6
PE3V6
SE3V

Back-Pull-Out Casing
3-Blade Impeller
3" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW/HP)	SPEED (RPM)	IMPELLER DIAMETER
A	22 / 30	2900	8.00" (203 mm)
B	18.5 / 25	2900	7.70" (196 mm)
C	18.5 / 25	2900	7.50" (191 mm)
D	15 / 20	2900	7.30" (185 mm)
E	15 / 20	2900	7.00" (178 mm)
F	11 / 15	2900	6.50" (165 mm)
G	11 / 15	2900	6.00" (152 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-3V-2900 12/04



Vaughan E Series Chopper Pump PERFORMANCE CURVE

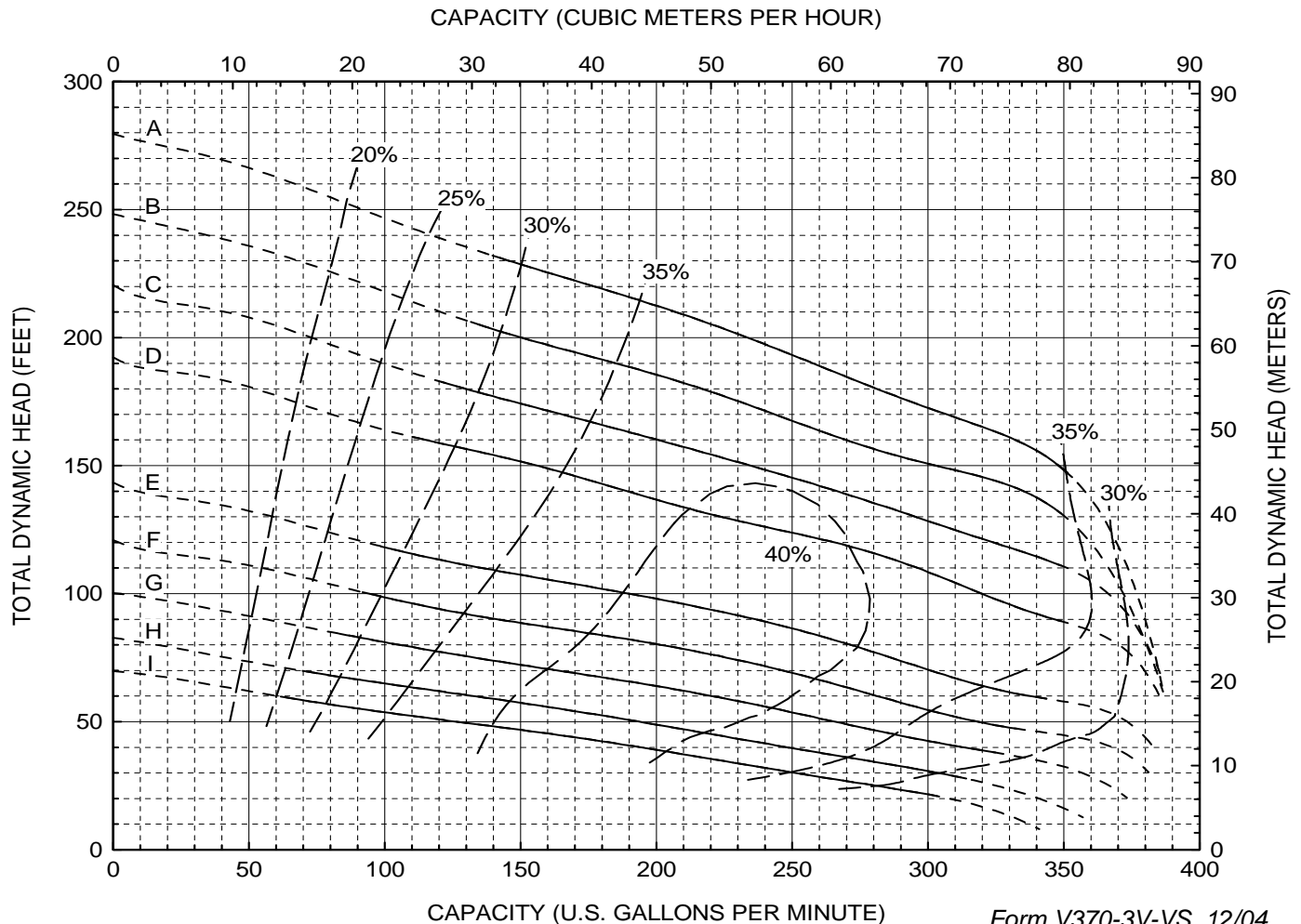
Models:
HE3V6
PE3V6
SE3V

Back-Pull-Out Casing
3-Blade Impeller
3" Discharge
6" Suction

Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	40 / 30	3510	8.00" (203 mm)
B	40 / 30	3300	8.00" (203 mm)
C	30 / 22	3100	8.00" (203 mm)
D	25 / 18.5	2900	8.00" (203 mm)
E	20 / 15	2500	8.00" (203 mm)
F	15 / 11	2300	8.00" (203 mm)
G	15 / 11	2100	8.00" (203 mm)
H	10 / 7.5*	1900	8.00" (203 mm)
I	7.5 / 5.5	1750	8.00" (203 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *EXCEEDS 7.5 HP BEYOND 300 GPM





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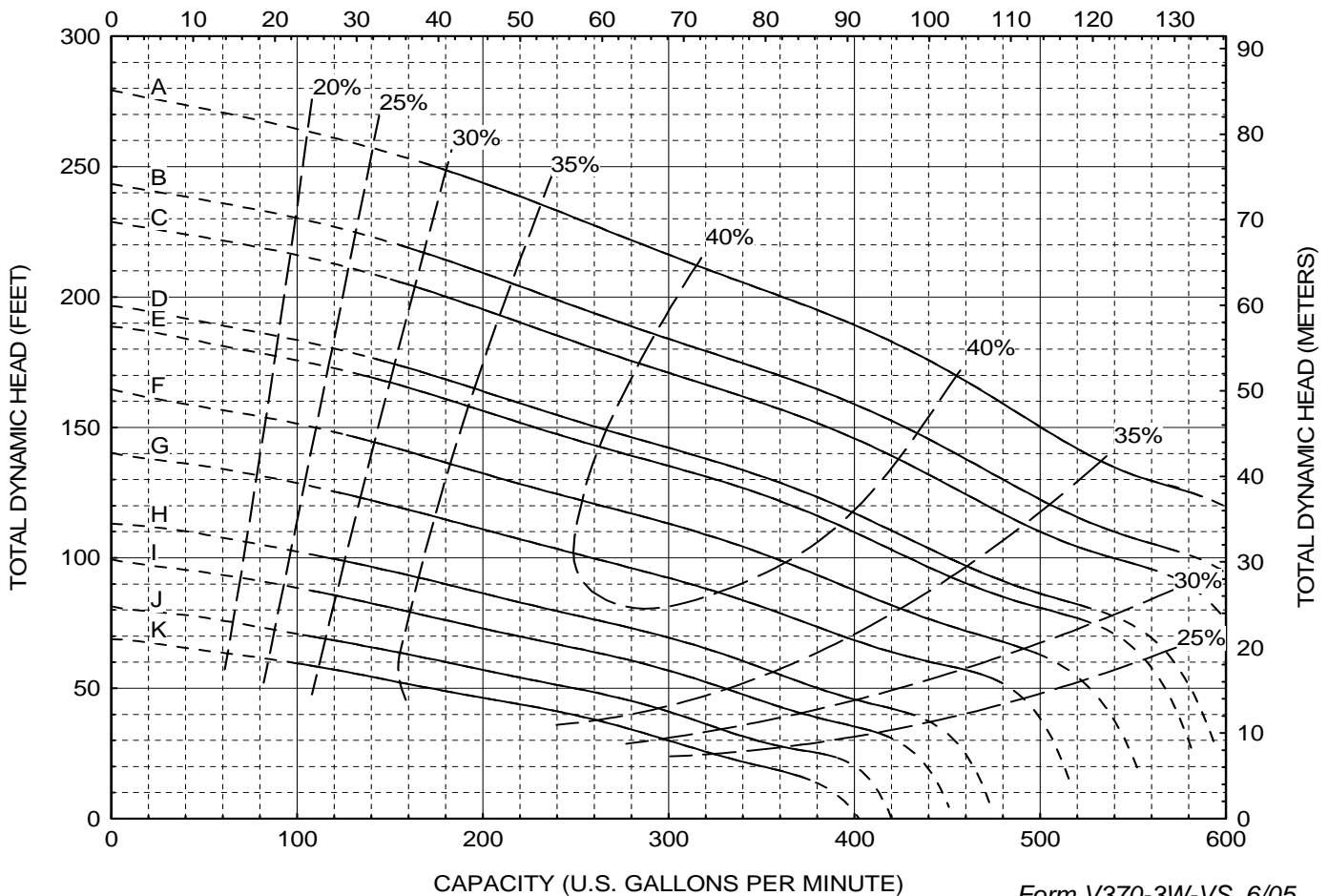
Vaughan E Series Chopper Pump PERFORMANCE CURVE

**Models:
HE3W6
PE3W6
SE3W**

Back-Pull-Out Casing
5-Blade Impeller
3" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	60 / 45	3540	8.00" (203 mm)
B	50 / 37	3300	8.00" (203 mm)
C	50 / 37	3200	8.00" (203 mm)
D	40 / 30	2960	8.00" (203 mm)
E	40 / 30	2900	8.00" (203 mm)
F	30 / 22	2700	8.00" (203 mm)
G	25 / 18.5	2500	8.00" (203 mm)
H	20 / 15	2250	8.00" (203 mm)
I	15 / 11	2100	8.00" (203 mm)
J	15 / 11	1900	8.00" (203 mm)
K	10 / 7.5	1750	8.00" (203 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. CAPACITY (CUBIC METERS PER HOUR)





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Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

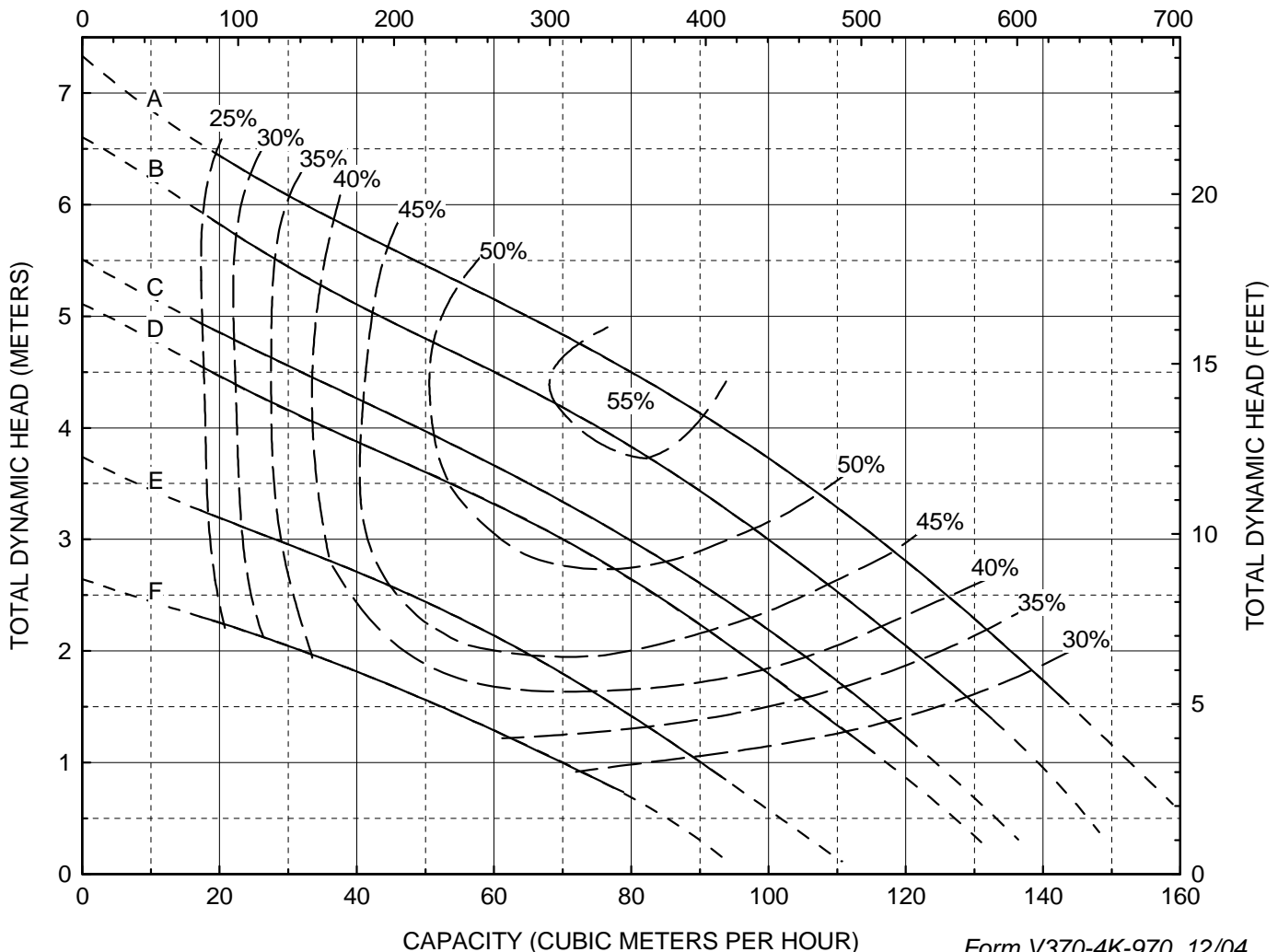
Models:
HE4K6
PE4K6
SE4K

Back-Pull-Out Casing
2-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	4*	970	8.90" (226 mm)
B	4*	970	8.60" (218 mm)
C	4*	970	8.00" (203 mm)
D	4*	970	7.80" (198 mm)
E	4*	970	7.00" (178 mm)
F	4*	970	6.30" (160 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *HYDRAULIC POWER IS BELOW 2.2 KW, BUT VAUGHAN RECOMMENDS MINIMUM 4 KW MOTORS TO PROVIDE SUFFICIENT TORQUE FOR CHOPPING.

CAPACITY (U.S. GALLONS PER MINUTE)





Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

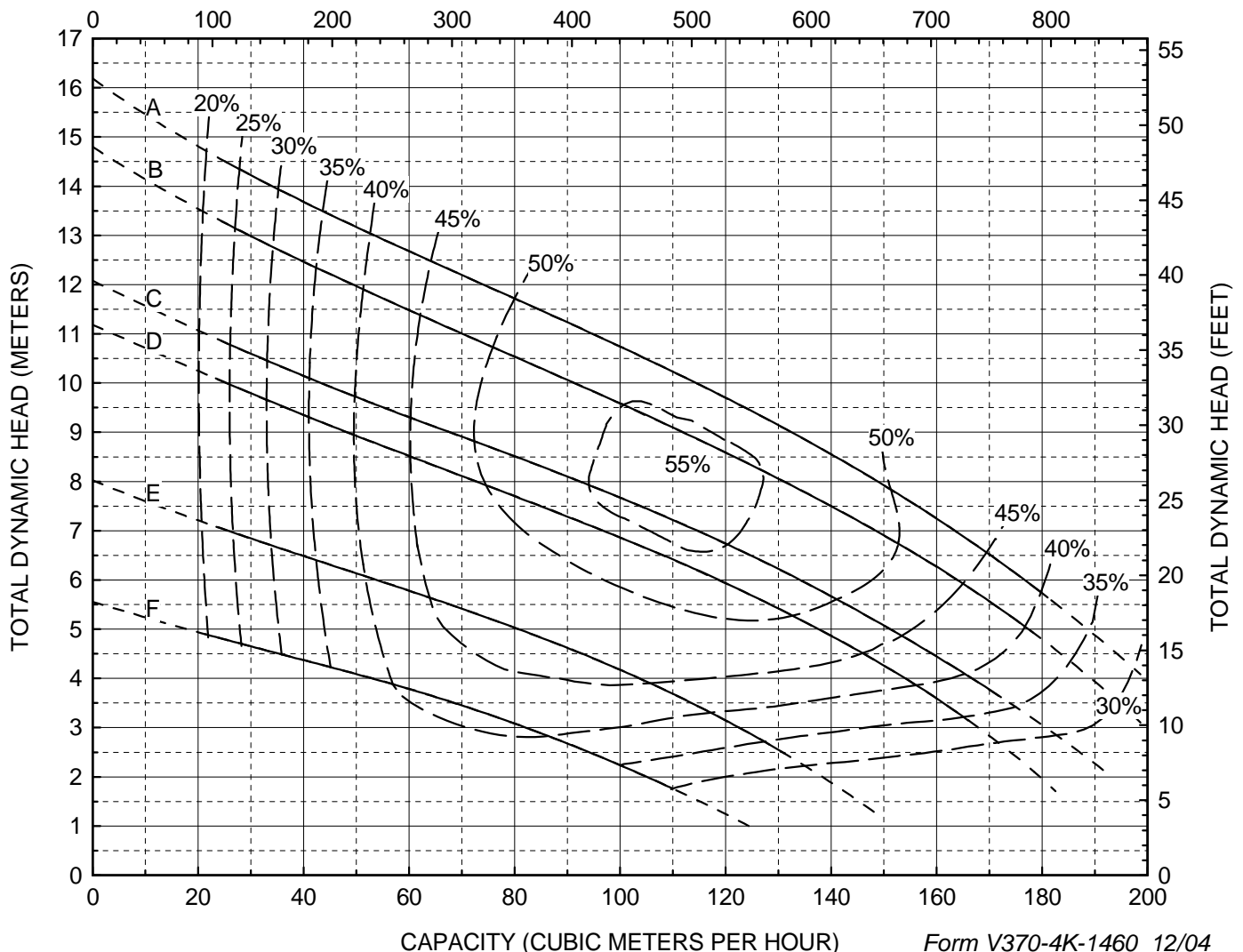
Models:
HE4K6
PE4K6
SE4K

Back-Pull-Out Casing
2-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	10	1460	8.90" (226 mm)
B	7.5	1460	8.60" (218 mm)
C	5.5	1460	8.00" (203 mm)
D	5.5*	1460	7.80" (198 mm)
E	4	1460	7.00" (178 mm)
F	4	1460	6.30" (160 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.
* EXCEEDS 4 KW BEYOND 150 M³/HR.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-4K-1460 12/04



Vaughan®

Vaughan E Series Chopper Pump PERFORMANCE CURVE

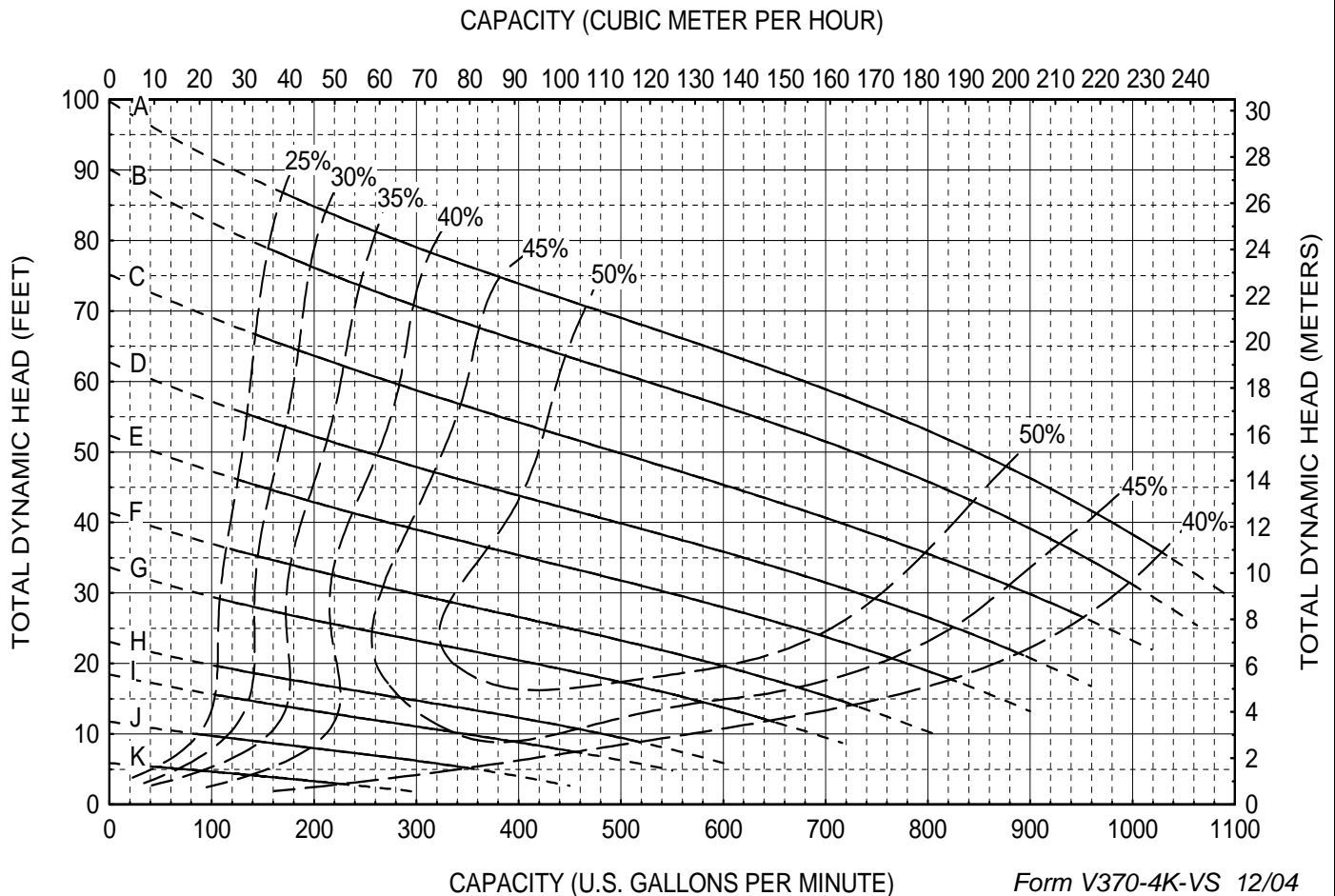
Models:
HE4K6
PE4K6
SE4K

Back-Pull-Out Casing
2-Blade Impeller
4" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	25 / 18.5	2000	8.90" (226 mm)
B	20 / 15	1900	8.90" (226 mm)
C	20 / 15	1750	8.90" (226 mm)
D	15 / 11	1600	8.90" (226 mm)
E	10 / 7.5	1460	8.90" (226 mm)
F	7.5 / 5.5	1300	8.90" (226 mm)
G	7.5 / 5.5*	1170	8.90" (226 mm)
H	5 / 4	970	8.90" (226 mm)
I	5 / 4	870	8.90" (226 mm)
J	5 / 4	700	8.90" (226 mm)
K	5 / 4	500	8.90" (226 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

* EXCEEDS 5 HP BEYOND 600 GPM



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-4K-VS 12/04



Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

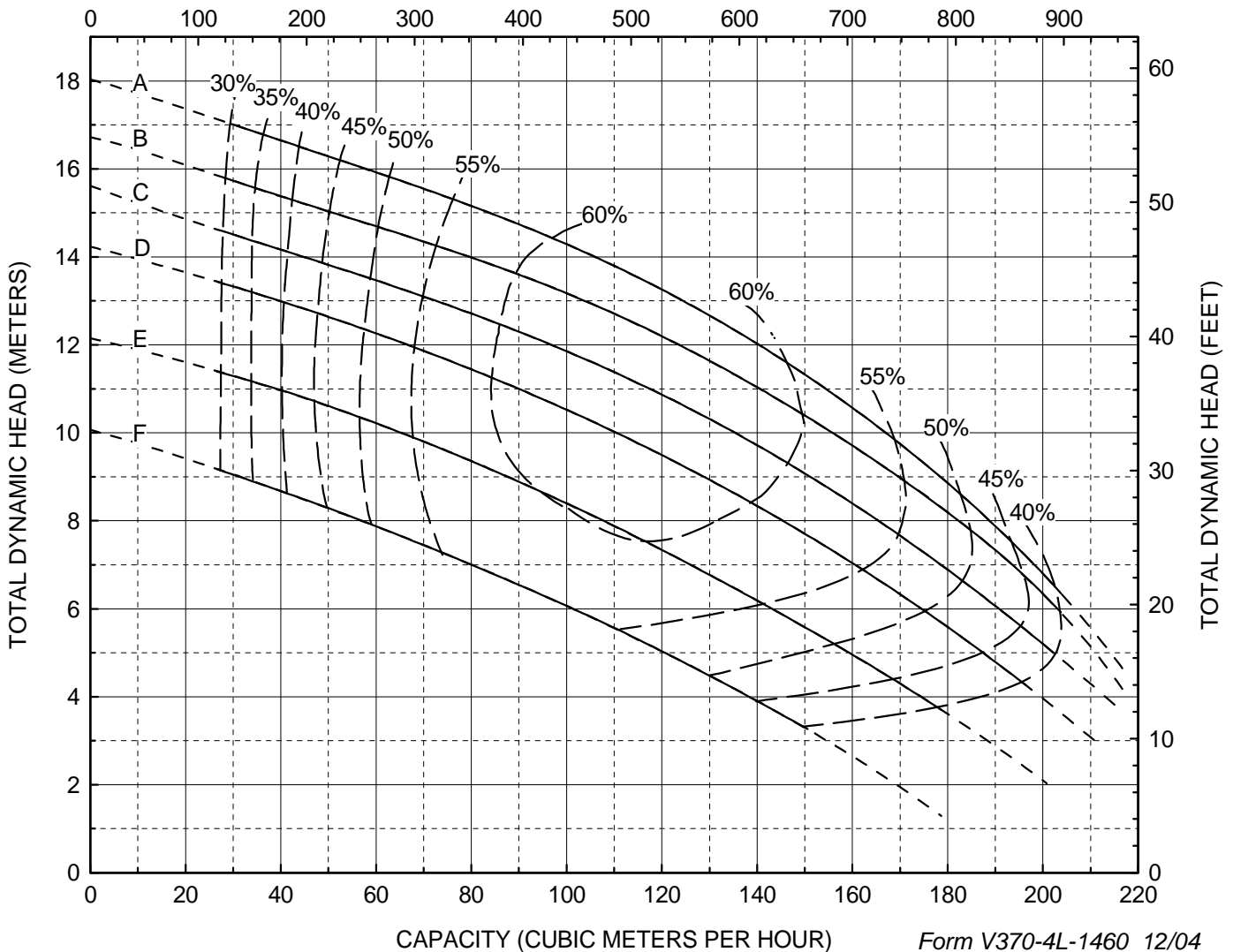
Models:
HE4L6
PE4L6
SE4L

Back-Pull-Out Casing
4-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	11	1460	8.90" (226 mm)
B	7.5	1460	8.50" (216 mm)
C	7.5	1460	8.30" (211 mm)
D	7.5*	1460	8.00" (203 mm)
E	5.5	1460	7.50" (191 mm)
F	4	1460	7.00" (178 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. * EXCEEDS 5.5 KW BEYOND 160 M³/HR.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-4L-1460 12/04



Vaughan®

Vaughan E Series Chopper Pump PERFORMANCE CURVE

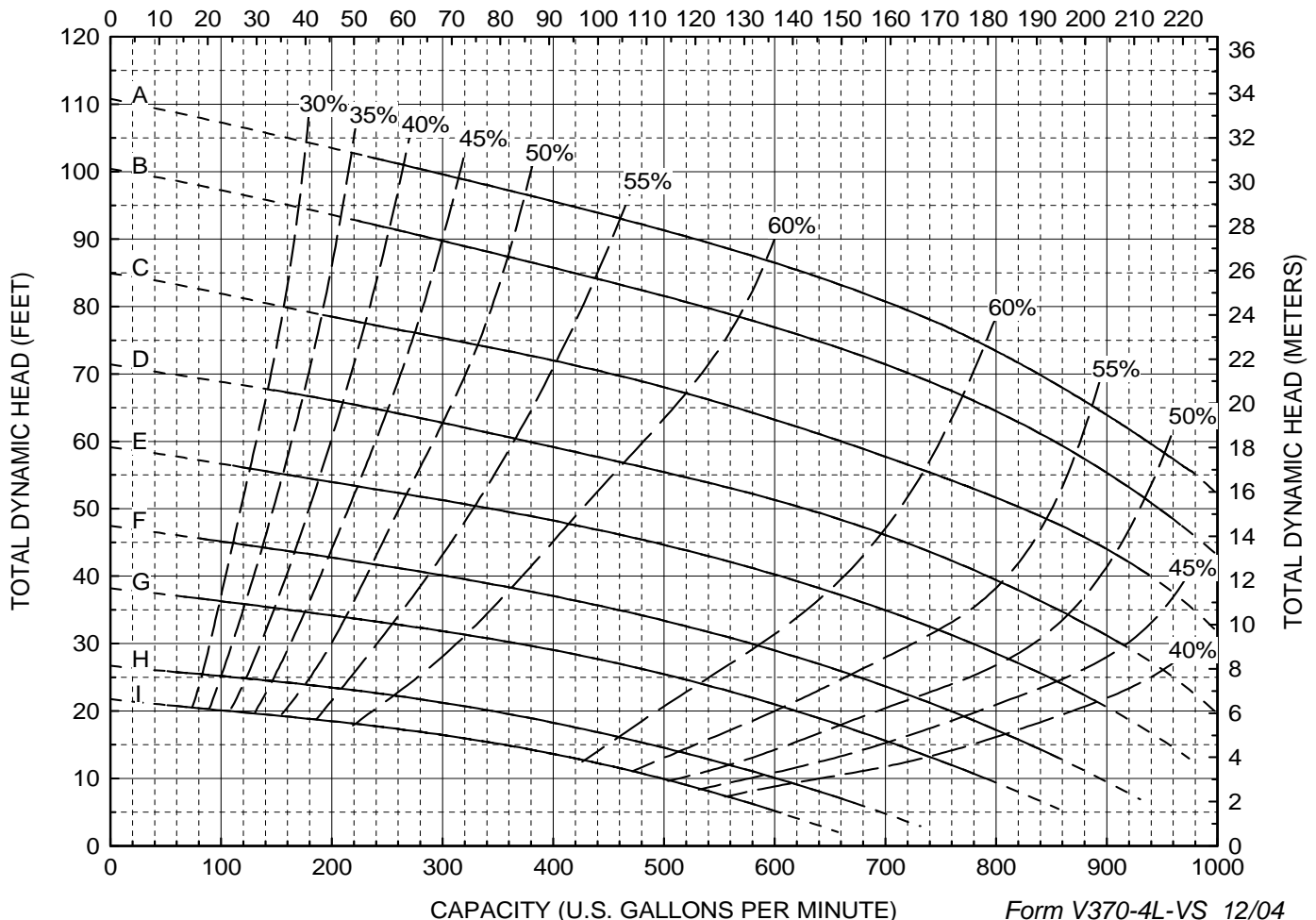
Models:
HE4L6
PE4L6
SE4L

Back-Pull-Out Casing
4-Blade Impeller
4" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	30 / 22	2000	8.90" (226 mm)
B	25 / 18.5	1900	8.90" (226 mm)
C	20 / 15	1750	8.90" (226 mm)
D	15 / 11	1600	8.90" (226 mm)
E	15 / 11	1460	8.90" (226 mm)
F	10 / 7.5	1300	8.90" (226 mm)
G	7.5 / 5.5	1170	8.90" (226 mm)
H	5 / 4	970	8.90" (226 mm)
I	5 / 4	870	8.90" (226 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-4L-VS 12/04



Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

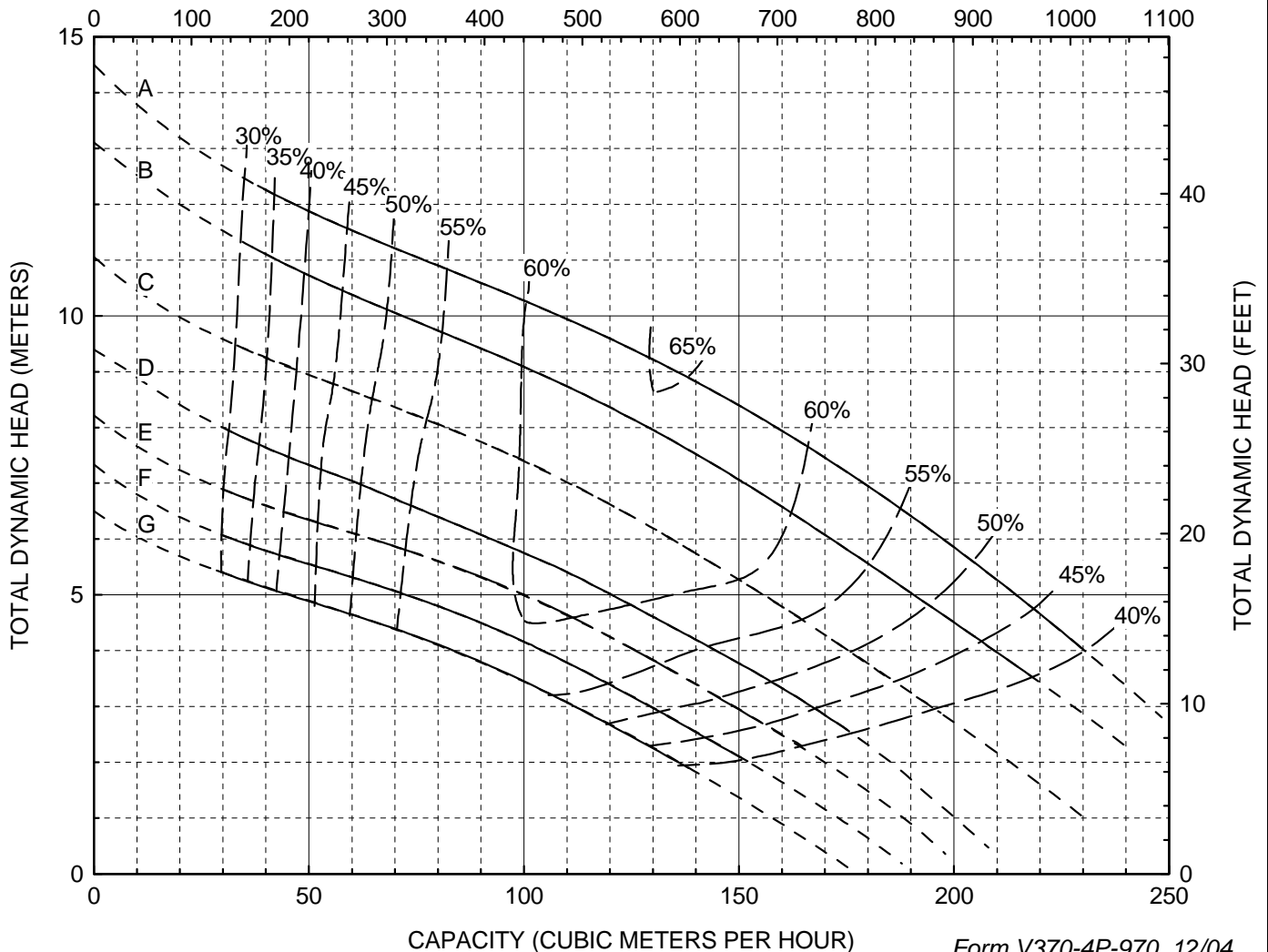
Models:
HE4P6
PE4P6
SE4P

Back-Pull-Out Casing
3-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	7.5	970	11.80" (300 mm)
B	5.5	970	11.30" (287 mm)
C	5.5	970	10.60" (269 mm)
D	4	970	10.00" (254 mm)
E	4	970	9.50" (241 mm)
F	4	970	9.10" (231 mm)
G	4	970	8.80" (224 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (U.S. GALLONS PER MINUTE)





Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

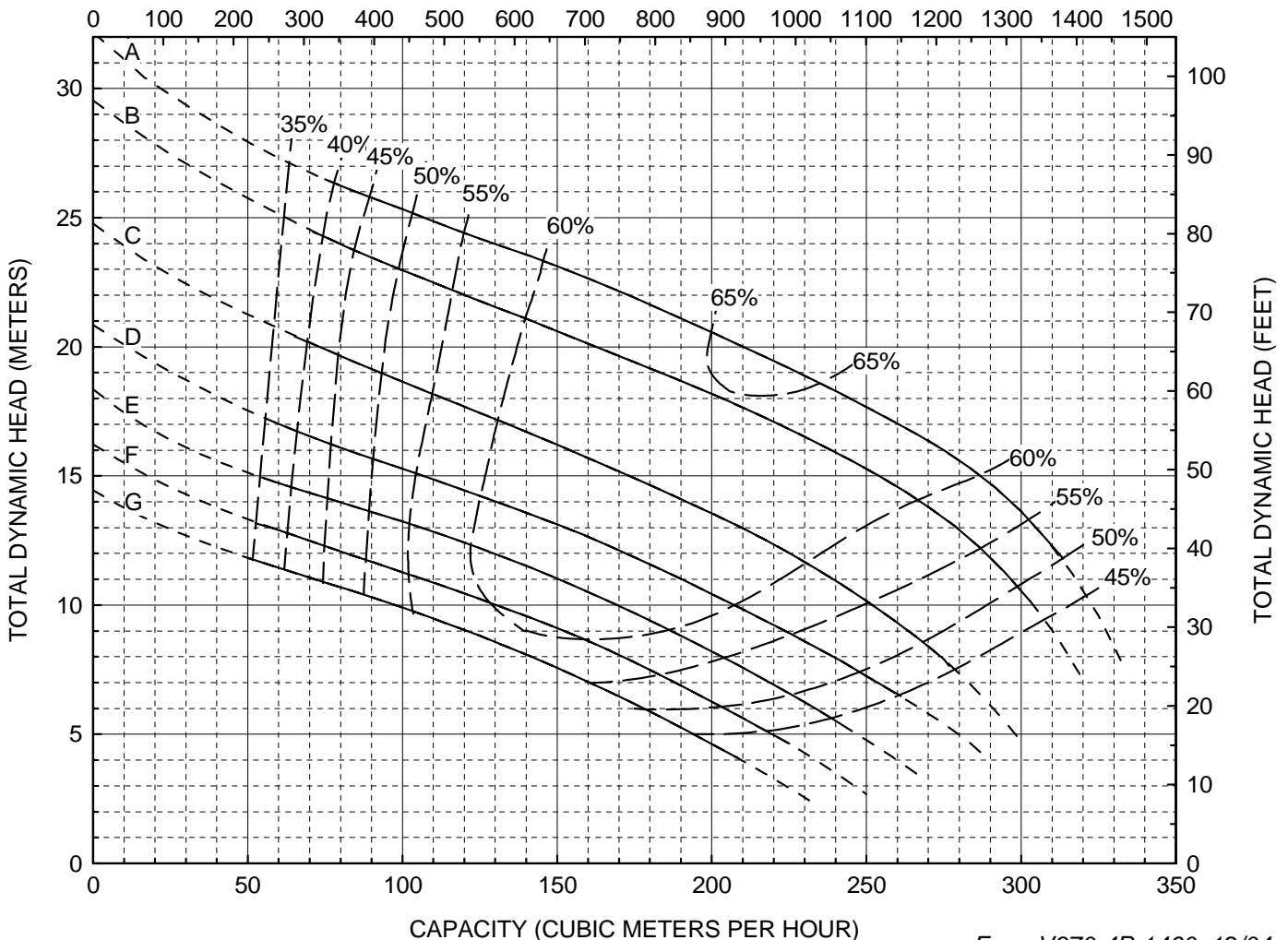
Models:
HE4P6
PE4P6
SE4P

Back-Pull-Out Casing
3-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	22	1460	11.80" (300 mm)
B	18	1460	11.30" (287 mm)
C	15	1460	10.60" (269 mm)
D	11	1460	10.00" (254 mm)
E	11*	1460	9.50" (241 mm)
F	7.5	1460	9.10" (231 mm)
G	7.5**	1460	8.80" (224 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *EXCEEDS 7.5 KW BEYOND 175 M³/HR. **EXCEEDS 5.5 KW BEYOND 160 M³/HR.

CAPACITY (U.S. GALLONS PER MINUTE)





Vaughan®

Vaughan E Series Chopper Pump PERFORMANCE CURVE

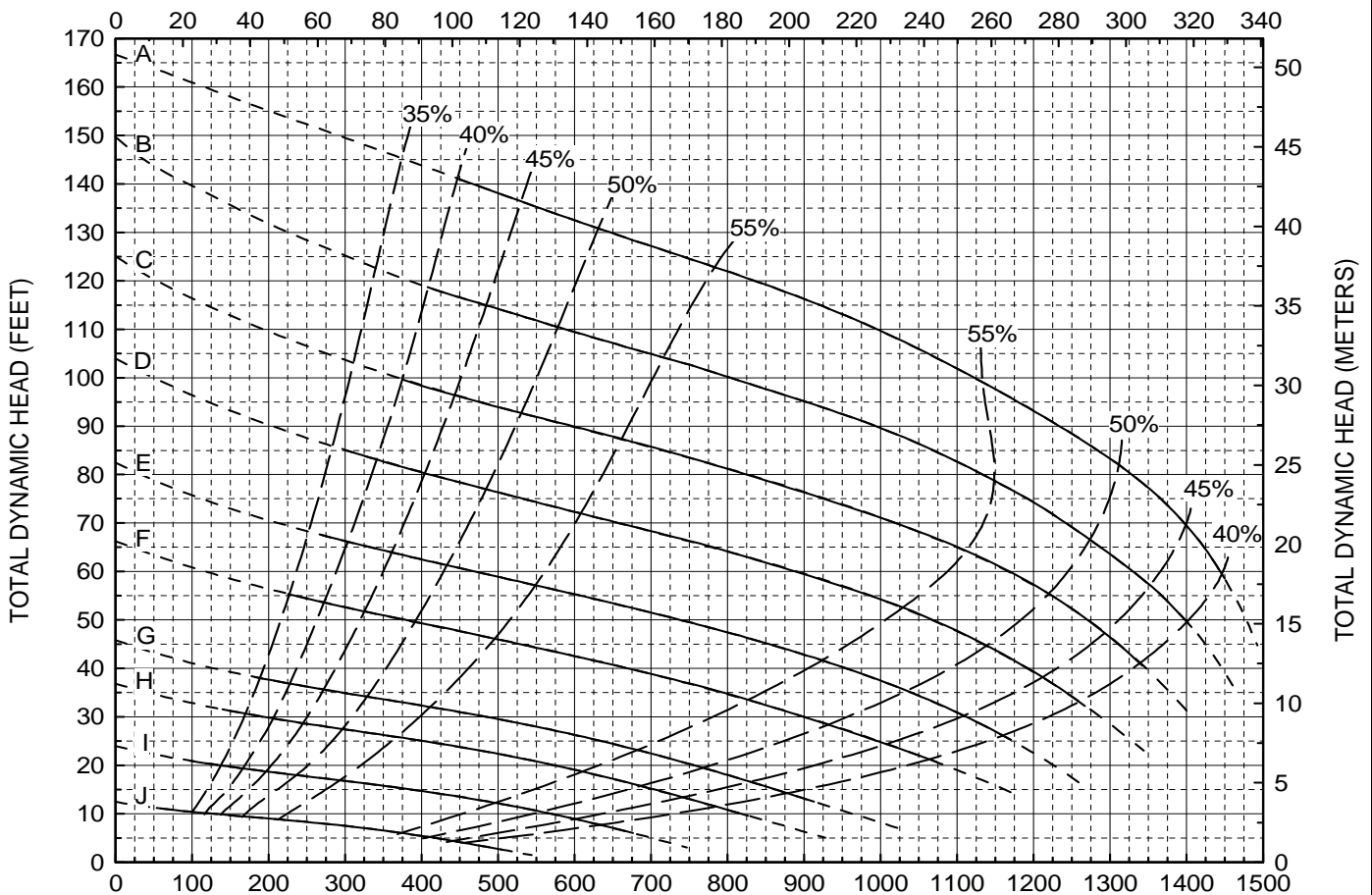
Models:
HE4P6
PE4P6
SE4P

Back-Pull-Out Casing
3-Blade Impeller
4" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	60 / 45	1900	11.80" (300 mm)
B	50 / 37	1750	11.80" (300 mm)
C	40 / 30	1600	11.80" (300 mm)
D	30 / 22	1460	11.80" (300 mm)
E	20 / 15	1300	11.80" (300 mm)
F	15 / 11	1170	11.80" (300 mm)
G	10 / 7.5	970	11.80" (300 mm)
H	7.5 / 5.5	870	11.80" (300 mm)
I	5 / 4	700	11.80" (300 mm)
J	5 / 4	500	11.80" (300 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V370-4P-VS 12/04



Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

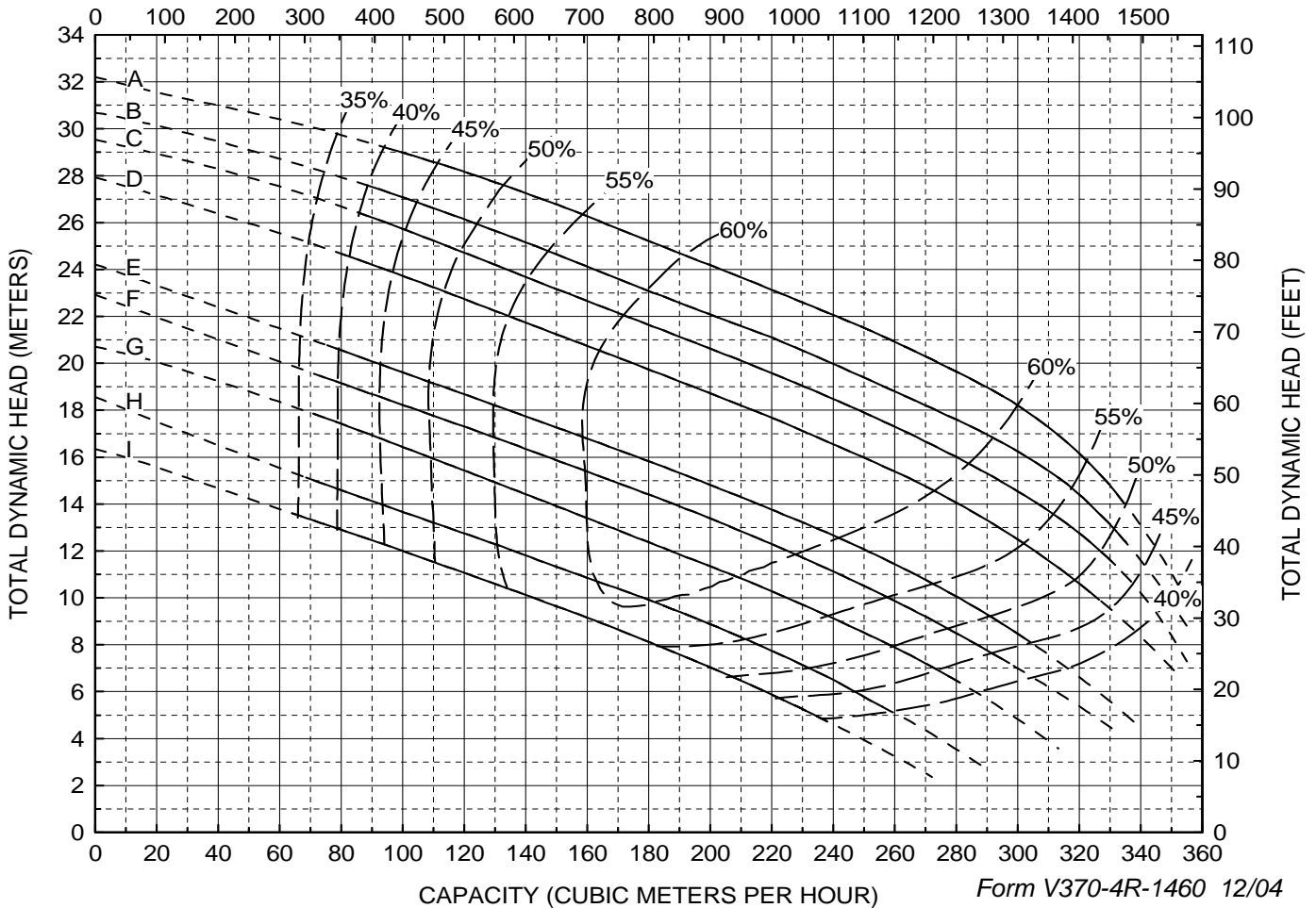
Models:
HE4R6
PE4R6
SE4R

Back-Pull-Out Casing
6-Blade Impeller
4" ANSI Discharge
6" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	30	1460	11.80" (300 mm)
B	30*	1460	11.50" (292 mm)
C	22	1460	11.30" (287 mm)
D	22**	1460	11.00" (279 mm)
E	15	1460	10.30" (262 mm)
F	15	1460	10.10" (257 mm)
G	15***	1460	9.70" (246 mm)
H	11	1460	9.20" (234 mm)
I	11****	1460	8.90" (226 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *EXCEEDS 22 KW BEYOND 280 M³/HR. **EXCEEDS 15 KW BEYOND 315 M³/HR. ***EXCEEDS 11 KW BEYOND 250 M³/HR. ****EXCEEDS 7.5 KW BEYOND 210 M³/HR.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-4R-1460 12/04



Vaughan®

Vaughan E Series Chopper Pump PERFORMANCE CURVE

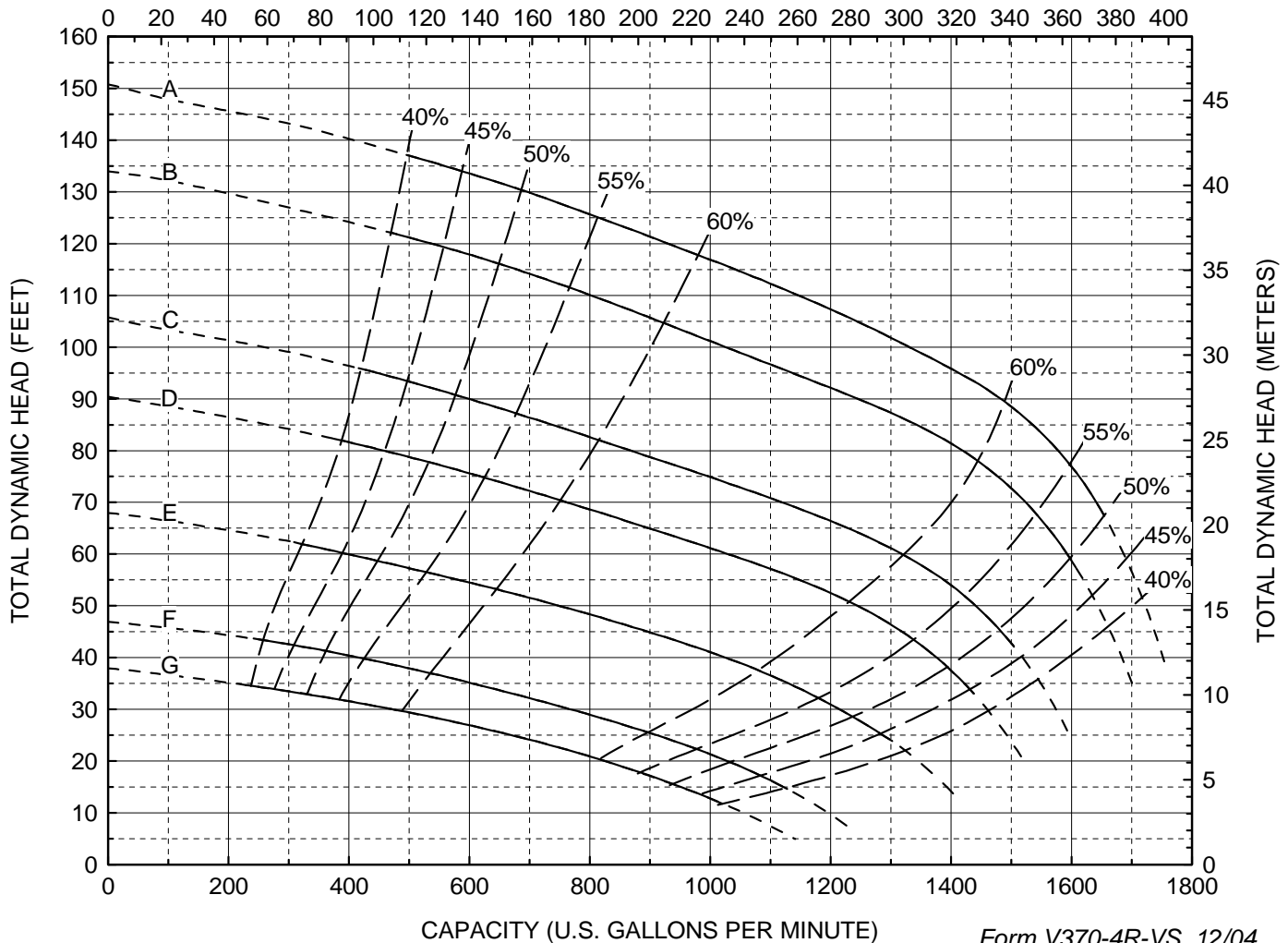
Models:
HE4R6
PE4R6
SE4R

Back-Pull-Out Casing
6-Blade Impeller
4" Discharge
6" Suction
Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	60 / 45	1750	11.80" (300 mm)
B	50 / 37	1650	11.80" (300 mm)
C	40 / 30	1460	11.80" (300 mm)
D	30 / 22	1350	11.80" (300 mm)
E	20 / 15	1170	11.80" (300 mm)
F	15 / 11*	970	11.80" (300 mm)
G	10 / 7.5**	870	11.80" (300 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *EXCEEDS 10 HP BEYOND 975 GPM **EXCEEDS 7.5 HP BEYOND 975 GPM.

CAPACITY (CUBIC METERS PER HOUR)





Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

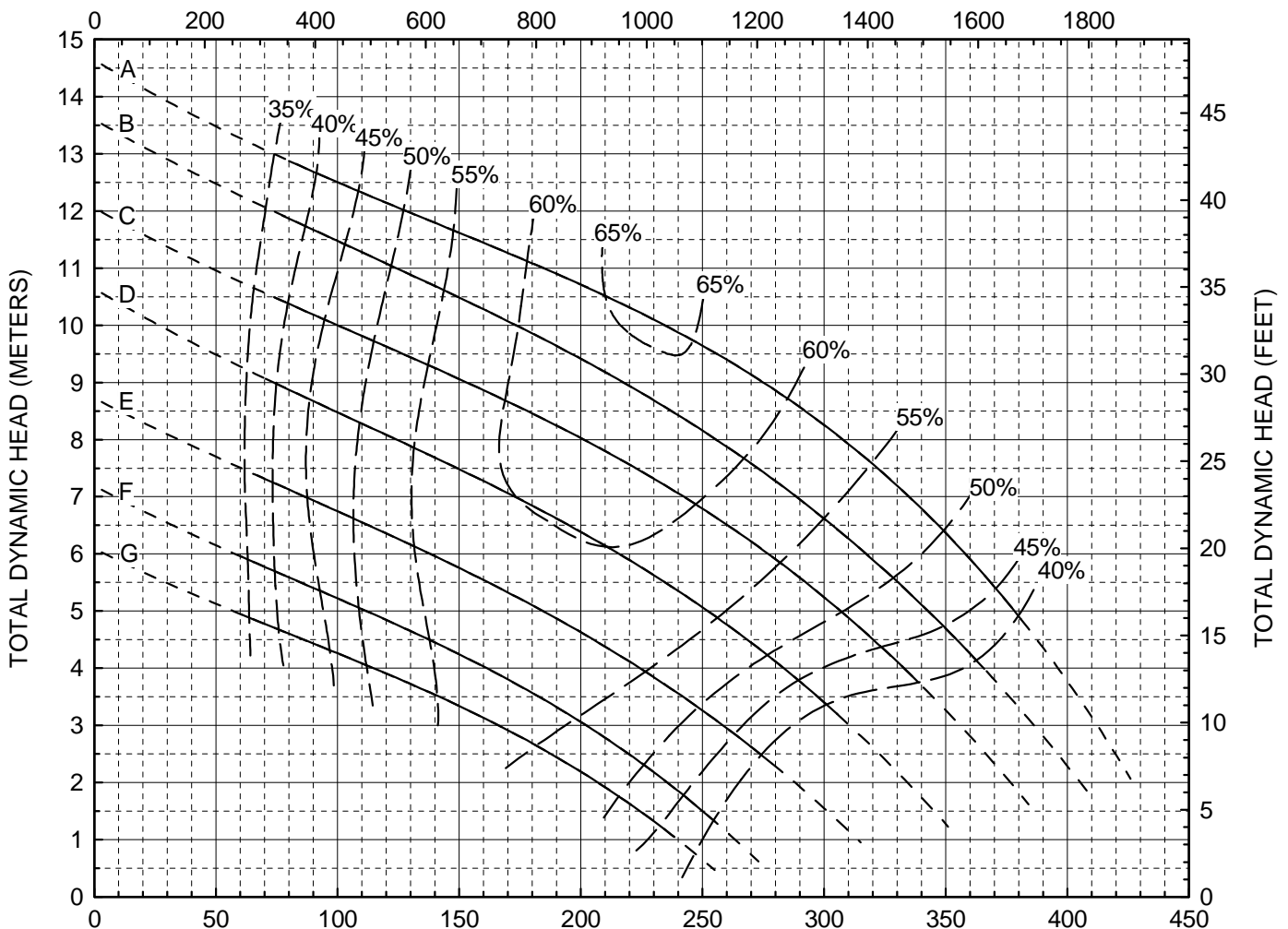
Models:
HE6U8
PE6U8
SE6U

Back-Pull-Out Casing
4-Blade Impeller
6" ANSI Discharge
8" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	15	970	11.80" (300 mm)
B	11	970	11.50" (292 mm)
C	11	970	10.90" (277 mm)
D	7.5	970	10.40" (264 mm)
E	5.5	970	9.75" (248 mm)
F	4	970	9.10" (231 mm)
G	4	970	8.70" (221 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.

CAPACITY (U.S. GALLONS PER MINUTE)



CAPACITY (CUBIC METERS PER HOUR)

Form V370-6U-970 12/04



Vaughan®

Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

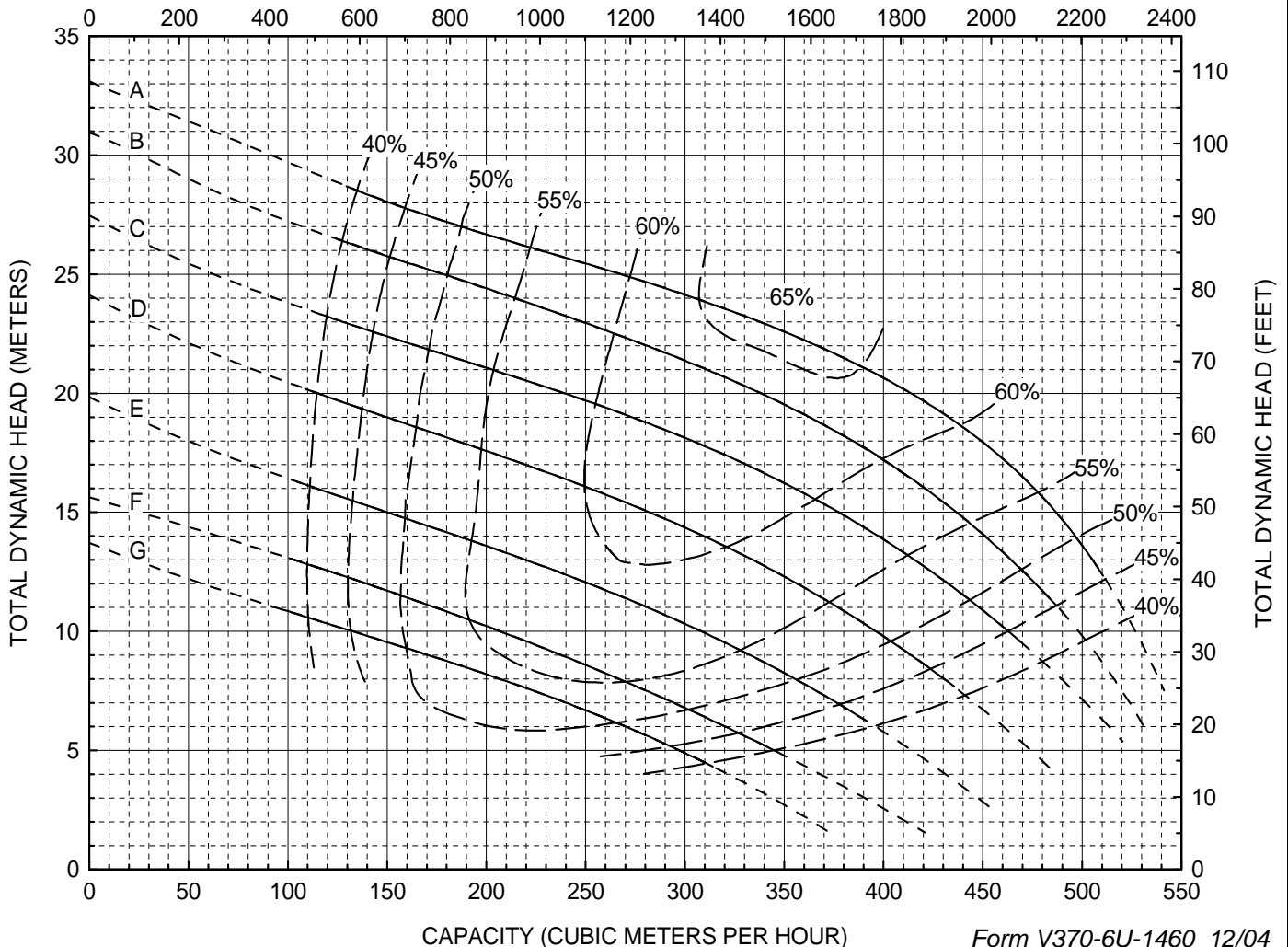
Models:
HE6U8
PE6U8
SE6U

Back-Pull-Out Casing
4-Blade Impeller
6" ANSI Discharge
8" ANSI Suction

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	45*	1460	11.80" (300 mm)
B	37	1460	11.50" (292 mm)
C	30	1460	10.90" (277 mm)
D	22	1460	10.40" (264 mm)
E	18.5	1460	9.75" (248 mm)
F	15	1460	9.10" (231 mm)
G	11	1460	8.70" (221 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. * EXCEEDS 37 KW BEYOND 460 M³/HR.

CAPACITY (U.S. GALLONS PER MINUTE)





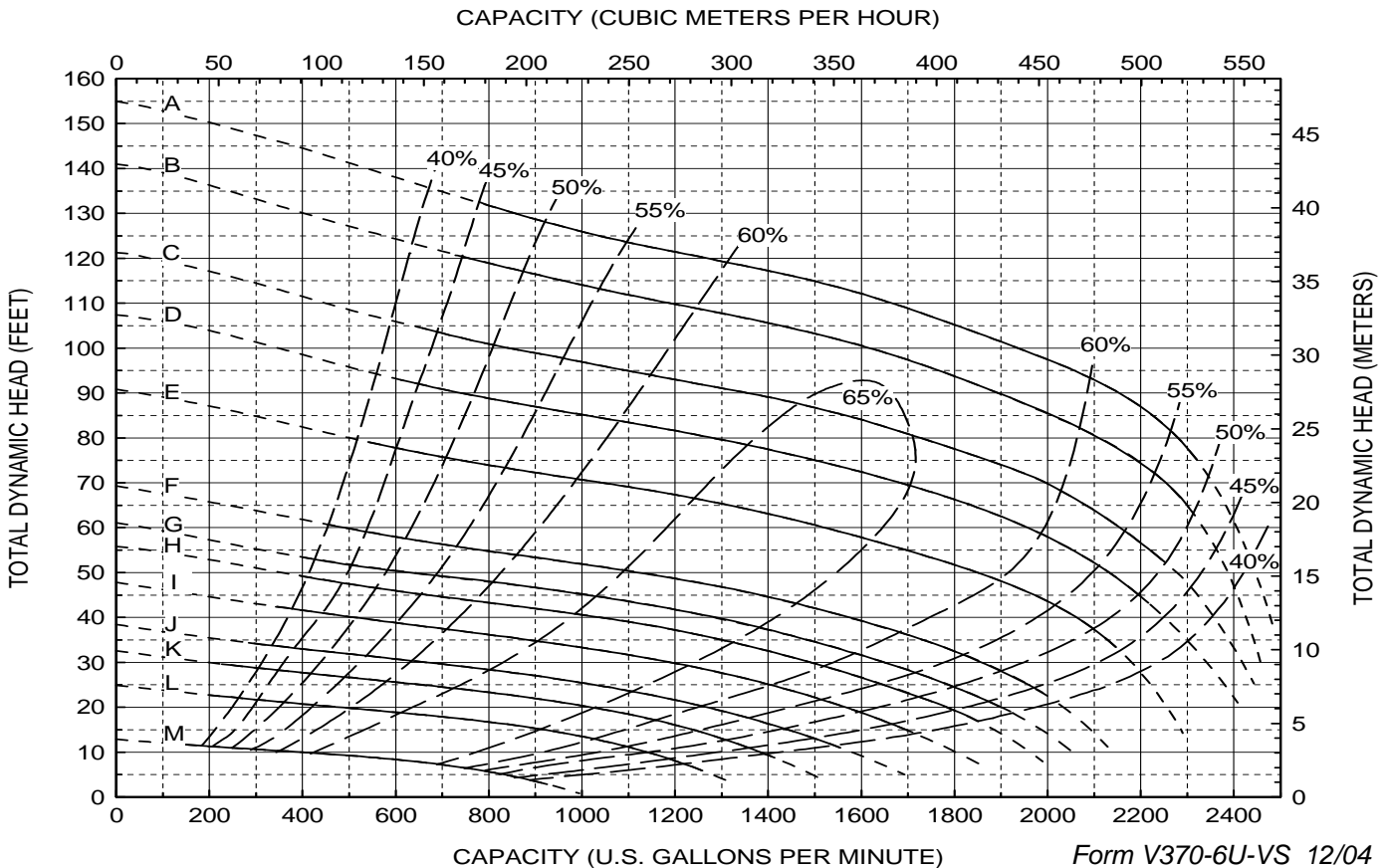
Vaughan E Series Chopper Pump PERFORMANCE CURVE

Models:
HE6U8
PE6U8
SE6U

Back-Pull-Out Casing
 4-Blade Impeller
 6" Discharge
 8" Suction
 Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	100/75	1750	11.80" (300 mm)
B	75/55	1670	11.80" (300 mm)
C	60/45	1550	11.80" (300 mm)
D	50/37*	1460	11.80" (300 mm)
E	40/30	1340	11.80" (300 mm)
F	30/22	1170	11.80" (300 mm)
G	25/18.5	1100	11.80" (300 mm)
H	20/15	1050	11.80" (300 mm)
I	20/15	970	11.80" (300 mm)
J	15/11	870	11.80" (300 mm)
K	10/7.5	800	11.80" (300 mm)
L	7.5/5.5	700	11.80" (300 mm)
M	5 / 4	500	11.80" (300 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.
 * EXCEEDS 50 HP BEYOND 2000 GPM.





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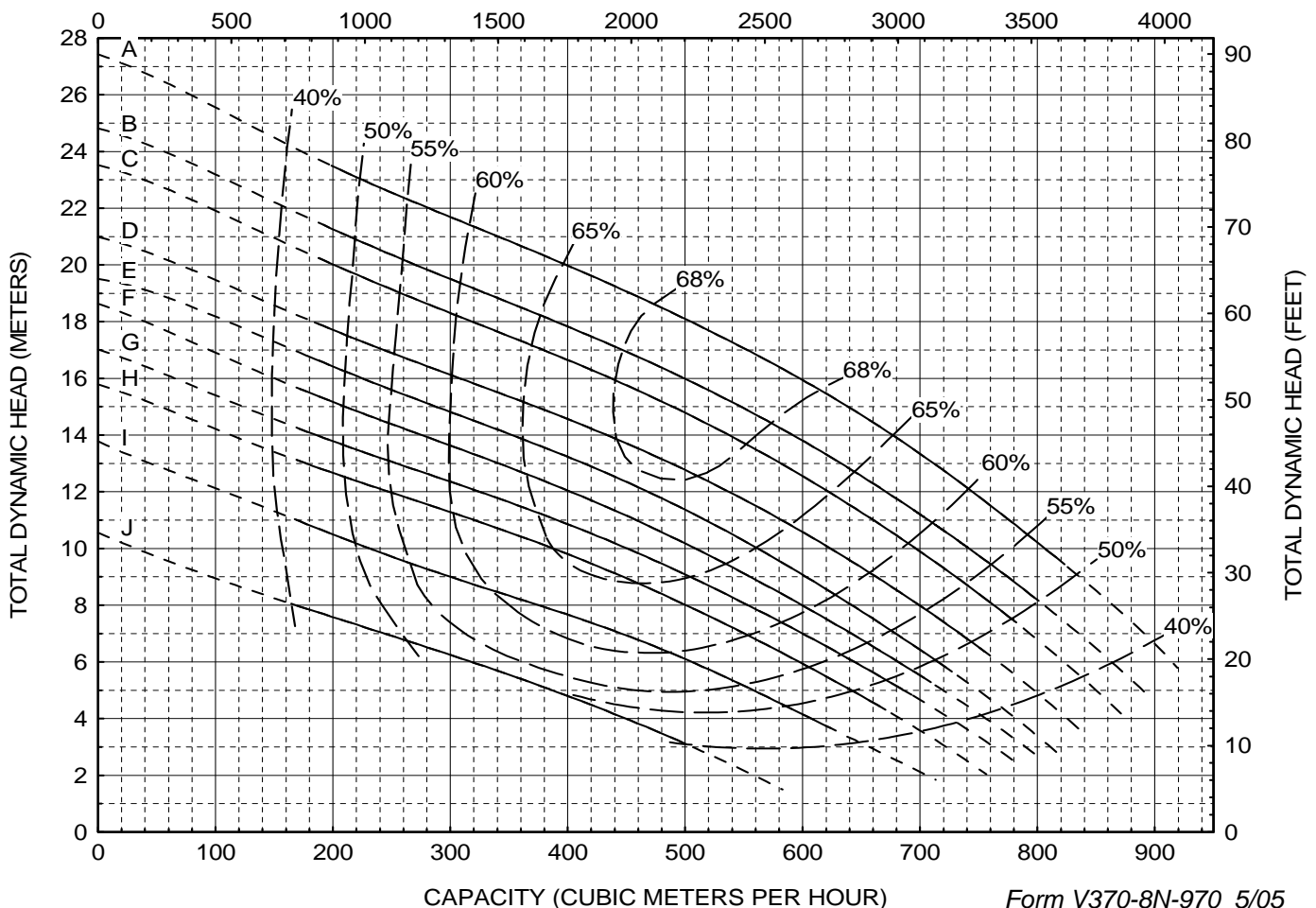
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE8N10
PE8N10
SE8N
V8N

Back-Pull-Out Casing
3-Blade Impeller
8" ANSI Discharge
10" ANSI Suction

CURVE	POWER (KW/HP)	SPEED (RPM)	IMPELLER DIAMETER
A	45 / 60	970	16.00" (406 mm)
B	37 / 50	970	15.30" (389 mm)
C	37 / 50	970	15.00" (381 mm)
D	30 / 40	970	14.40" (366 mm)
E	30 / 40	970	14.00" (356 mm)
F	22 / 30	970	13.50" (343 mm)
G	22 / 30	970	13.00" (330 mm)
H	18.5 / 25	970	12.60" (320 mm)
I	15 / 20	970	12.00" (305 mm)
J	11 / 15	970	10.90" (277 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. CAPACITY (U.S. GALLONS PER MINUTE)





Vaughan E Series Chopper Pump PERFORMANCE CURVE

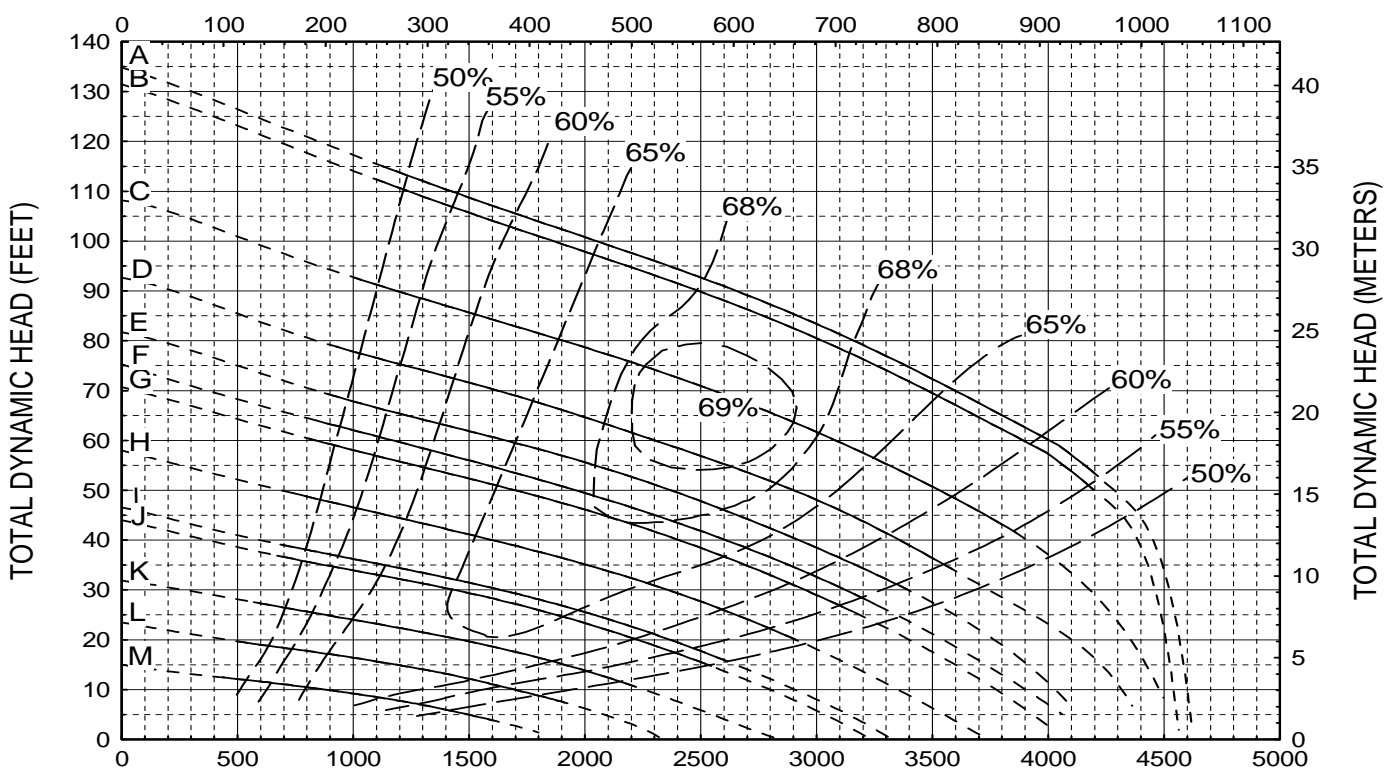
Models:
HE8N10
PE8N10
SE8N
V8N

Back-Pull-Out Casing
3-Blade Impeller
8" Discharge
10" Suction
 Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	125 / 90*	1185	16.00" (406 mm)
B	100 / 75	1170	16.00" (406 mm)
C	75 / 55	1065	16.00" (406 mm)
D	60 / 45	985	16.00" (406 mm)
E	50 / 37	925	16.00" (406 mm)
F	50 / 37	885	16.00" (406 mm)
G	40 / 30	860	16.00" (406 mm)
H	30 / 22	780	16.00" (406 mm)
I	25 / 18.5	700	16.00" (406 mm)
J	20 / 15	680	16.00" (406 mm)
K	15 / 11	585	16.00" (406 mm)
L	15 / 11**	500	16.00" (406 mm)
M	10 / 7.5**	400	16.00" (406 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. *EXCEEDS 100 HP BEYOND 3900 GPM **MOTORS INCREASED BY ONE SIZE FOR EXTRA CHOPPING TORQUE.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)



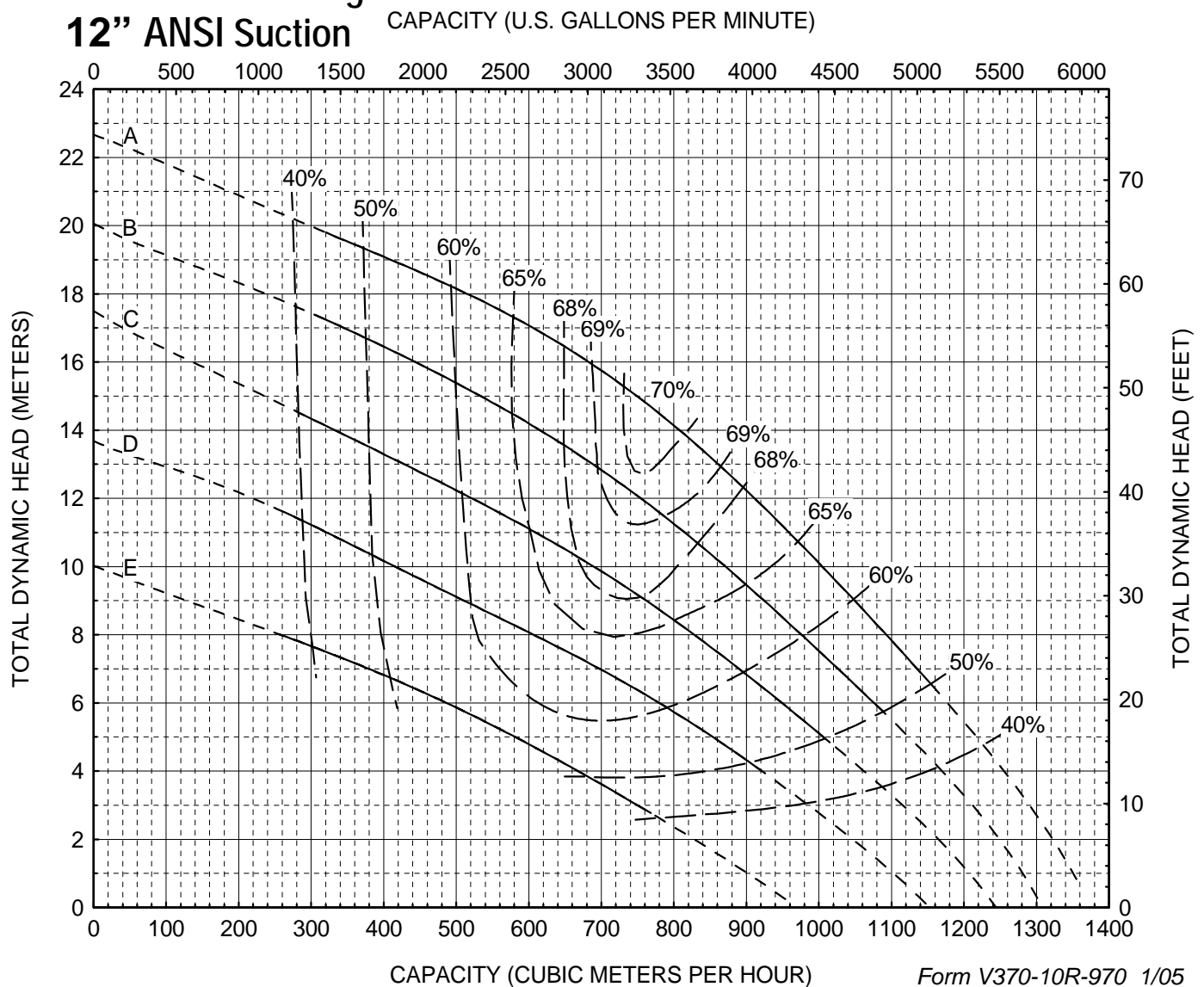
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE10R12
PE10R12
SE10R
V10R

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	45	970	16.00" (406 mm)
B	37	970	15.00" (381 mm)
C	30	970	14.00" (356 mm)
D	22	970	13.00" (330 mm)
E	18.5	970	12.00" (305 mm)

Back-Pull-Out Casing
3-Blade Impeller
10" ANSI Discharge
12" ANSI Suction

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B.





Vaughan E Series Chopper Pump PERFORMANCE CURVE

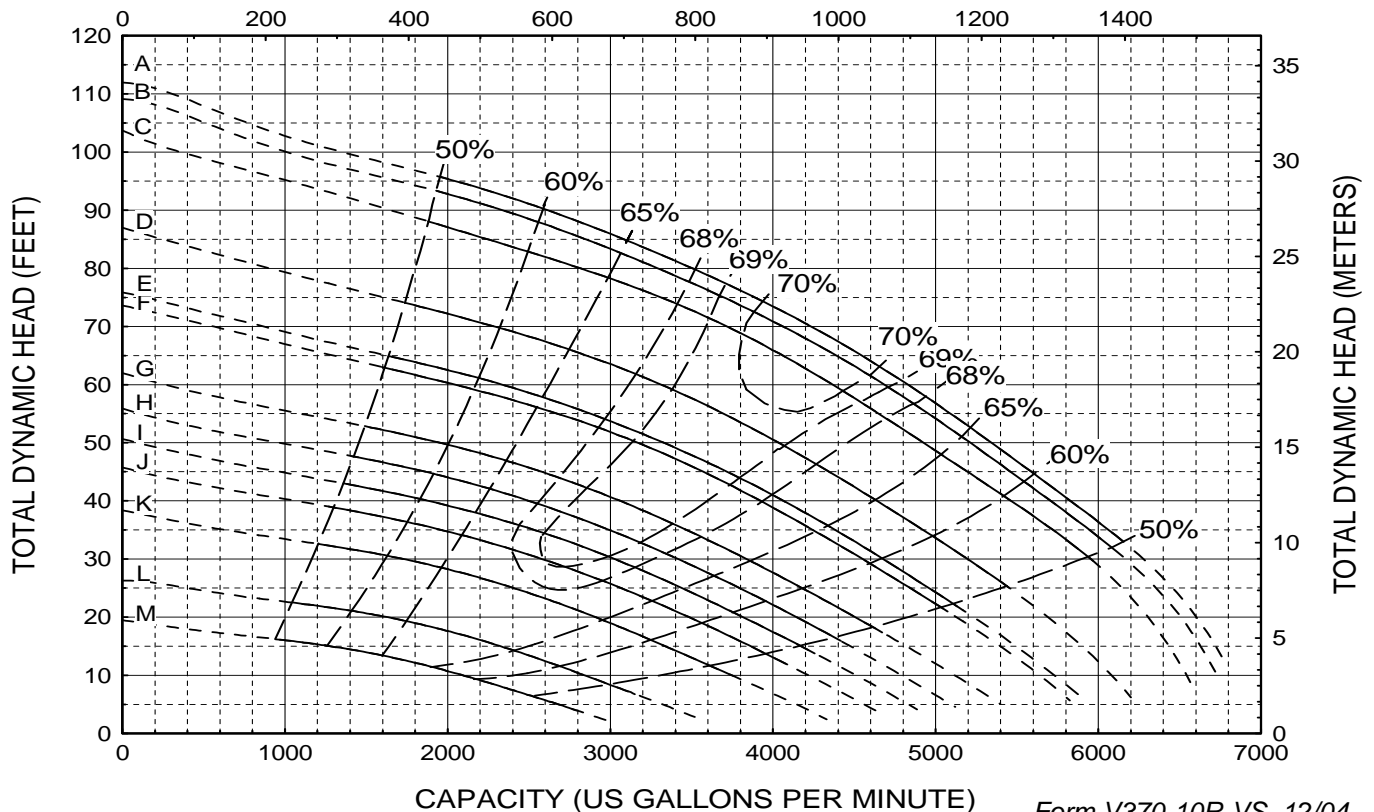
Models:
HE10R12
PE10R12
SE10R
V10R

Back-Pull-Out Casing
3-Blade Impeller
10" Discharge
12" Suction
 Variable Speed Curve

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	125 / 90	1185	16.00" (406 mm)
B	125 / 90	1170	16.00" (406 mm)
C	100 / 75	1140	16.00" (406 mm)
D	75 / 55	1045	16.00" (406 mm)
E	75 / 55	980	16.00" (406 mm)
F	60 / 45	965	16.00" (406 mm)
G	50 / 37	885	16.00" (406 mm)
H	40 / 30	840	16.00" (406 mm)
I	40 / 30	800	16.00" (406 mm)
J	30 / 22	760	16.00" (406 mm)
K	25 / 18.5	700	16.00" (406 mm)
L	20 / 15*	585	16.00" (406 mm)
M	15 / 11*	500	16.00" (406 mm)

DO NOT OPERATE PUMP IN DOTTED PORTION OF CURVES. CURVES SUBJECT TO CHANGE WITHOUT NOTICE. EFFICIENCIES SHOWN ARE NOMINAL BOWL. GUARANTIED MINIMUM EFFICIENCIES PER H.I. LEVEL B. * MOTORS INCREASED BY ONE SIZE FOR EXTRA CHOPPING TORQUE.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (US GALLONS PER MINUTE)



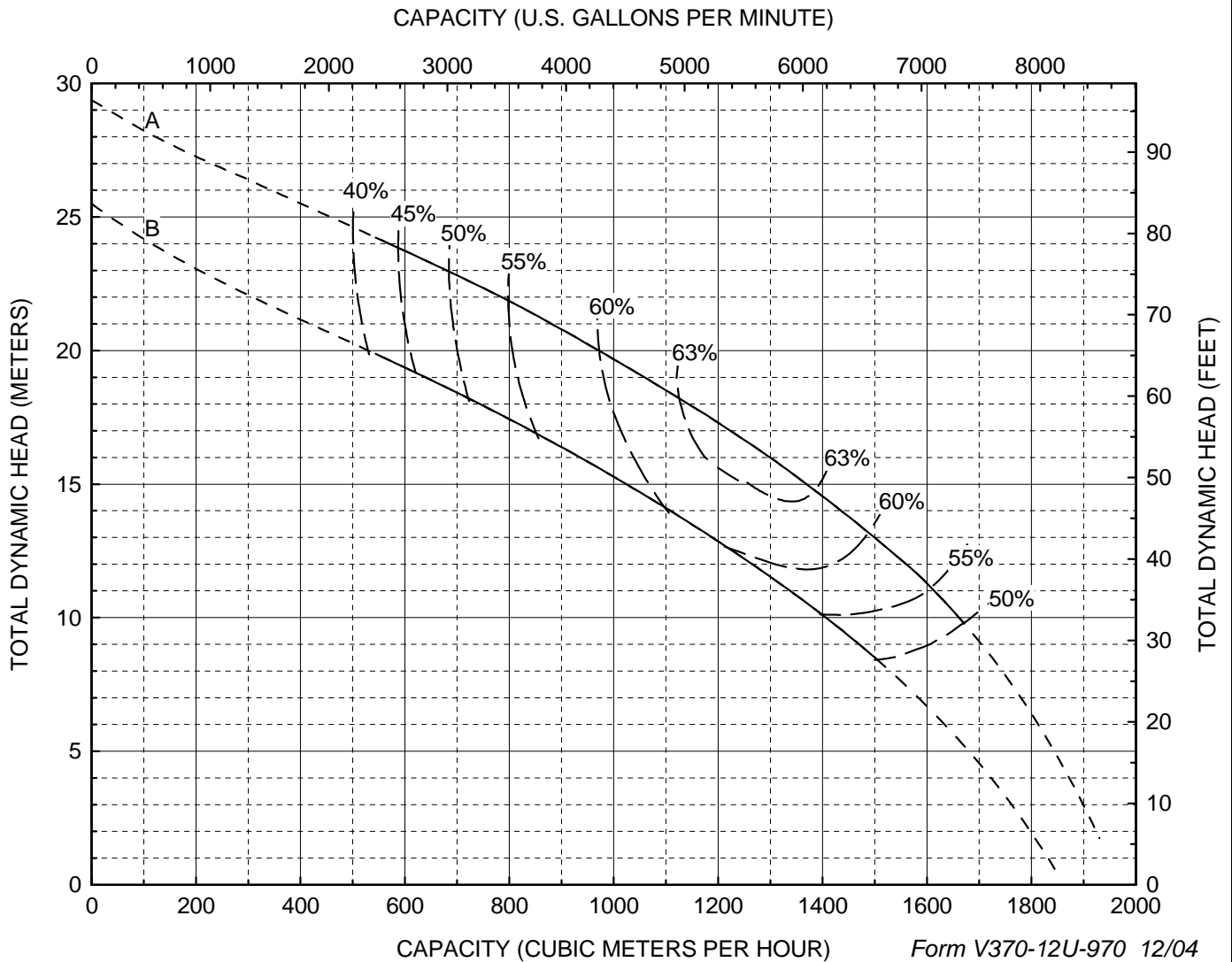
Vaughan E Series 50 Hz Chopper Pump PERFORMANCE CURVE

Models:
HE12U14
PE12U14
SE12U
V12U

CURVE	POWER (KW)	SPEED (RPM)	IMPELLER DIAMETER
A	90	970	18.00" (457 mm)
B	75	970	17.00" (532 mm)

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Back-Pull-Out Casing
4-Blade Impeller
12" ANSI Discharge
14" ANSI Suction





Vaughan E Series Chopper Pump PERFORMANCE CURVE

Models:
HE12U14
PE12U14
SE12U
V12U

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	125 / 90	750	21.00" (533mm)
B	100 / 75	725	21.00" (533mm)
C	100 / 75	700	21.00" (533mm)
D	75 / 55	650	21.00" (533mm)
E	60 / 45	592	21.00" (533mm)
F	50 / 37	547	21.00" (533mm)

Back-Pull-Out Casing
4-Blade Impeller
12" Discharge
14" Suction

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