



**Vaughan**<sup>®</sup>

# Vaughan Self-Priming Chopper Pump PERFORMANCE CURVE

## Model SP4C REPRIME LIFT

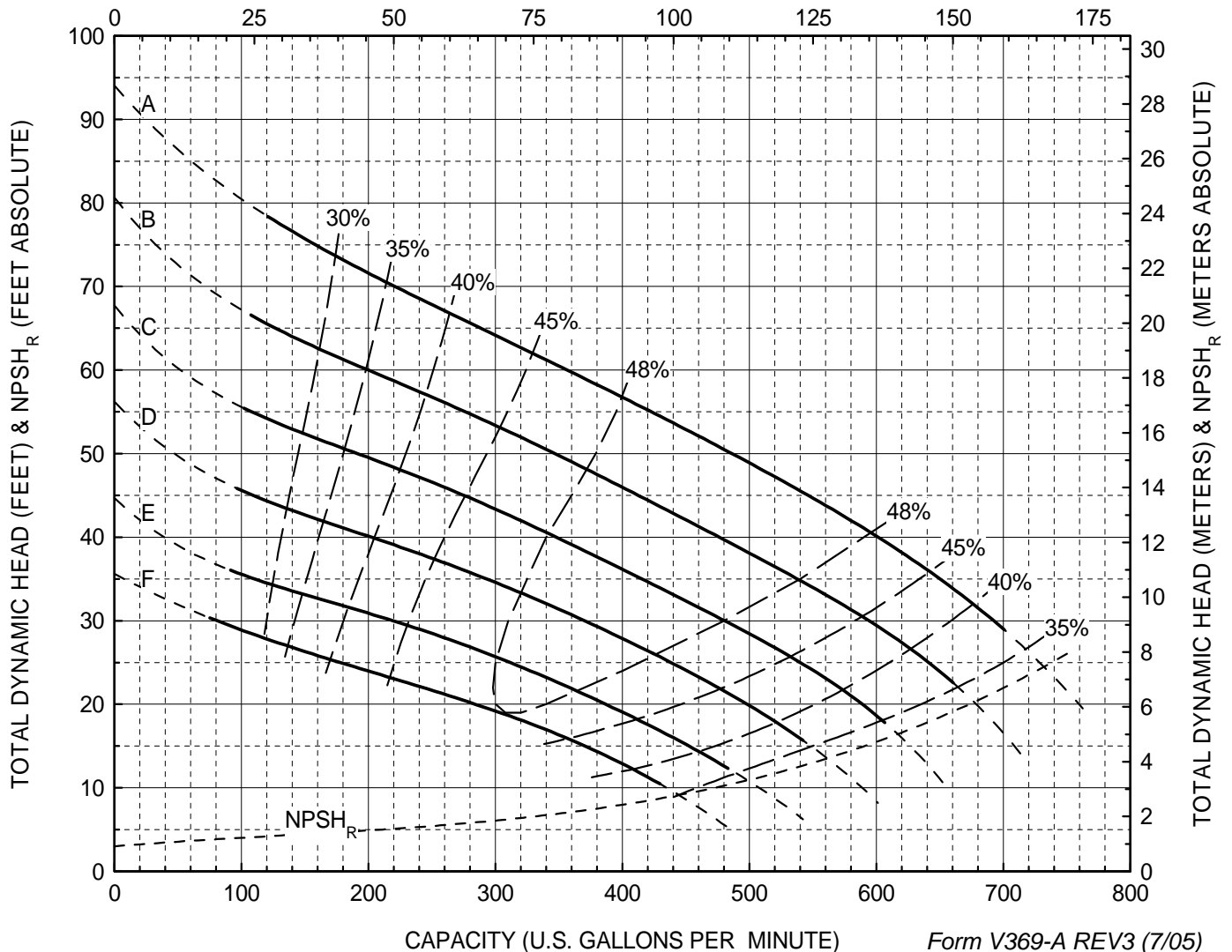
RPM	LIFT (FEET)
1900	24
1750	22
1600	21
1460	21
1300	19
1170	16

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	15 / 11	1900	8.90" (226 mm)
B	15 / 11	1750	8.90" (226 mm)
C	10 / 7.5	1600	8.90" (226 mm)
D	7.5 / 5.5	1460	8.90" (226 mm)
E	5 / 4	1300	8.90" (226 mm)
F	5 / 4	1170	8.90" (226 mm)

**2 Blade Impeller  
4" Discharge  
4" Suction**

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.

CAPACITY (CUBIC METERS PER HOUR)



CAPACITY (U.S. GALLONS PER MINUTE)

Form V369-A REV3 (7/05)



# Vaughan

## Vaughan Self-Priming Chopper Pumps PERFORMANCE CURVE

### Model SP6K REPRIME LIFT

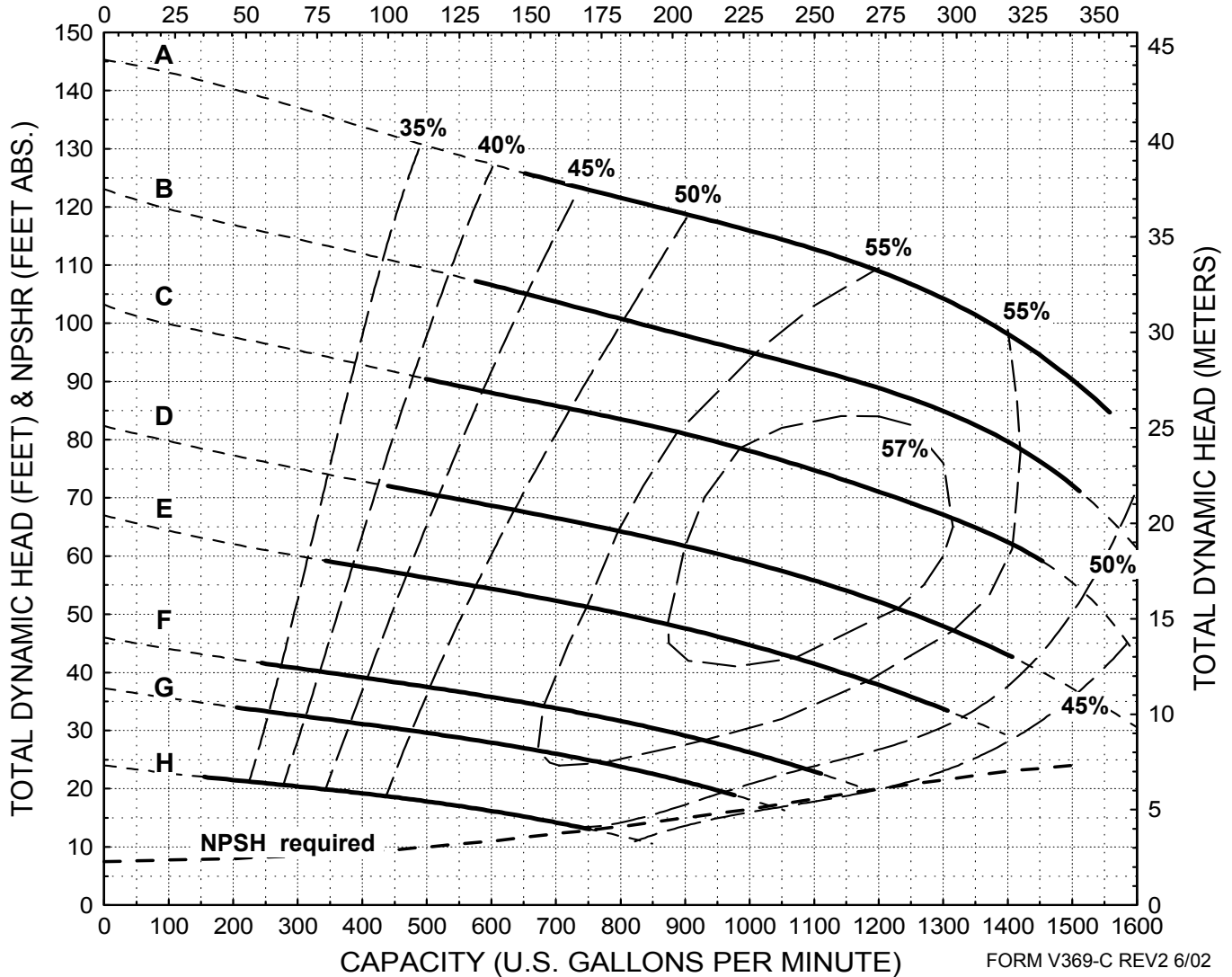
RPM	LIFT (FT)
1750	23
1600	23
1460	20
1300	18
1170	16
970	11
870	9
700	7

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	75 / 55	1750	11.75" (298mm)
B	60 / 45	1600	11.75" (298mm)
C	40 / 30	1460	11.75" (298mm)
D	30 / 22	1300	11.75" (298mm)
E	25 / 18.5	1170	11.75" (298mm)
F	15 / 11	970	11.75" (298mm)
G	10 / 7.5	870	11.75" (298mm)
H	5 / 4	700	11.75" (298mm)

**4 Blade Impeller**  
**6" Discharge**  
**6" Suction**

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

CAPACITY (CUBIC METERS PER HOUR)





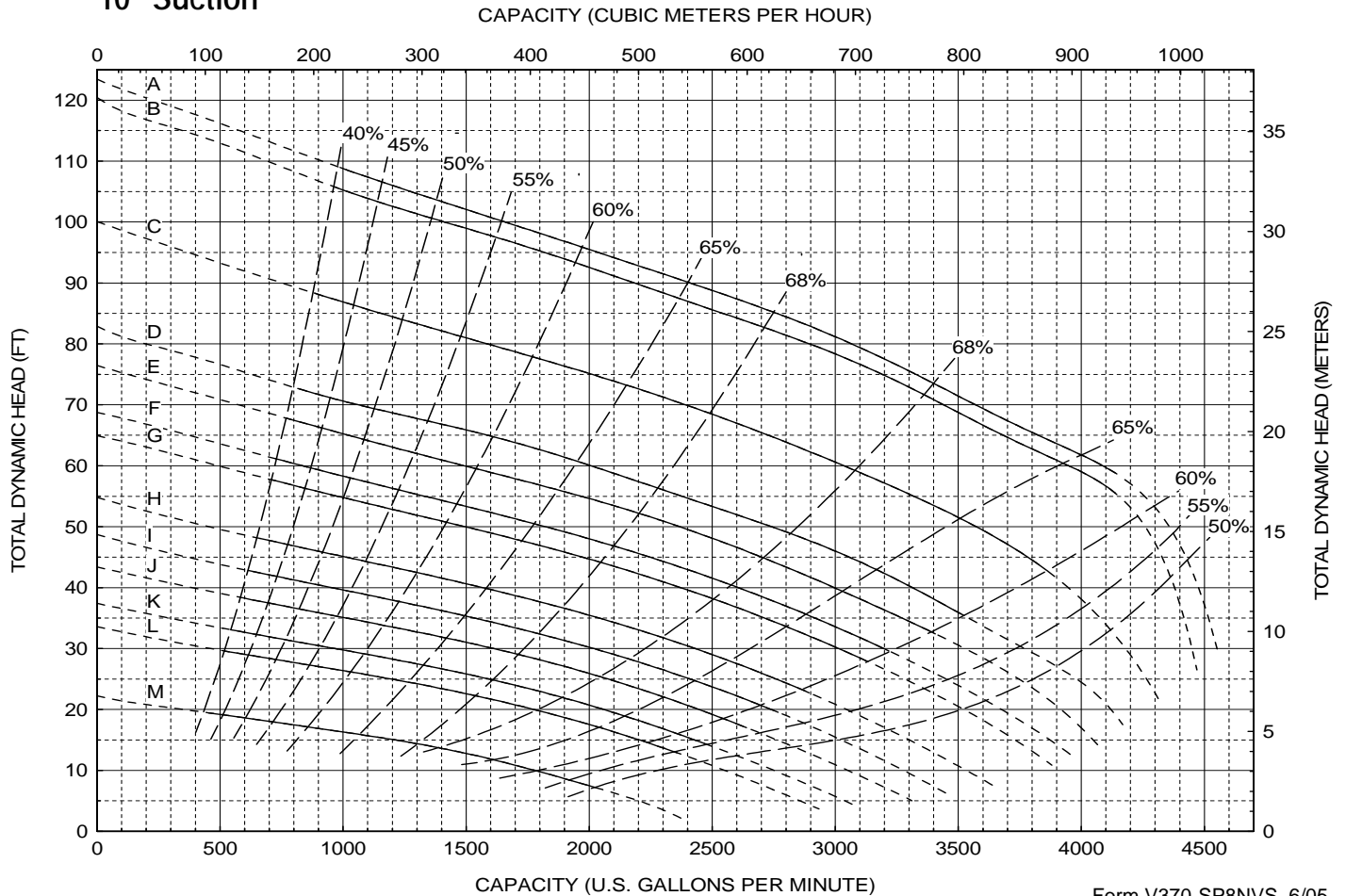
# Vaughan Self-Priming Chopper Pumps PERFORMANCE CURVE

Model SP8N REPRIME LIFT	
RPM	LIFT (FT)
1185	22
1170	21
1065	20
970	19
930	18
885	15
860	14
785	12
740	11
700	10
650	9
615	8
500	7

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	970	16.00" (406 mm)
E	50/37	930	16.00" (406 mm)
F	50/37	885	16.00" (406 mm)
G	40/30	860	16.00" (406 mm)
H	30/22	785	16.00" (406 mm)
I	25/18.5	740	16.00" (406 mm)
J	25/18.5	700	16.00" (406 mm)
K	20/15	650	16.00" (406 mm)
L	15/11	615	16.00" (406 mm)
M	15/11*	500	16.00" (406 mm)

**3 Blade Impeller**  
**8" Discharge**  
**10" Suction**

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





# Vaughan®

## Vaughan Self-Priming Chopper Pump PERFORMANCE CURVE

### Model SP10R REPRIME LIFT

RPM	LIFT (FEET)
1185	22
1150	21
1045	20
970	19
870	18
845	17
750	16
650	15
500	12

CURVE	POWER (HP/KW)	SPEED (RPM)	IMPELLER DIAMETER
A	125 / 90	1185	16.00" (406 mm)
B	100 / 75	1150	16.00" (406 mm)
C	75 / 55	1045	16.00" (406 mm)
D	60 / 45	970	16.00" (406 mm)
E	50 / 37	870	16.00" (406 mm)
F	40 / 30	845	16.00" (406 mm)
G	30 / 22	750	16.00" (406 mm)
H	20 / 15	650	16.00" (406 mm)
I	15 / 11*	500	16.00" (406 mm)

**3-Blade Impeller**  
**10" Discharge**  
**12" Suction**

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

