

NP VOLTS	460	MAX RPM	4000	9 Lead	WYE Connected HVC
NP AMPS	1.2	Base Volt	480	BEMF	248
HP	1	NL AMPS	0.1	Ld	194.8
BASE SPEED	1800	S.F.	1.5	Lq	722
PHASE/HZ	3/60	WK ² (lb-ft ²)	10.7	Rs	23.91 Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	1.0	2.9	460	60	1.2
Max Speed	4000	1.0	1.3	460	133.3	1.2
Min Speed	180	0.1	2.9	460	6.0	1.2

Motor Load Performance at Base Speed

	RPM	HP	Torque	Volts	Eff	Amps
No Load	1800	0.0	0.0	460	N/A	0.1
1/4	1800	0.3	0.7	460	75.9	0.3
1/2	1800	0.5	1.5	460	84.7	0.6
3/4	1800	0.8	2.2	460	87.3	0.9
Full Load	1800	1.0	2.9	460	88.2	1.2
O/L	1800	1.5	4.4	460	N/A	1.8

Remarks: Calculated Data
ECS Vector PWM IPM

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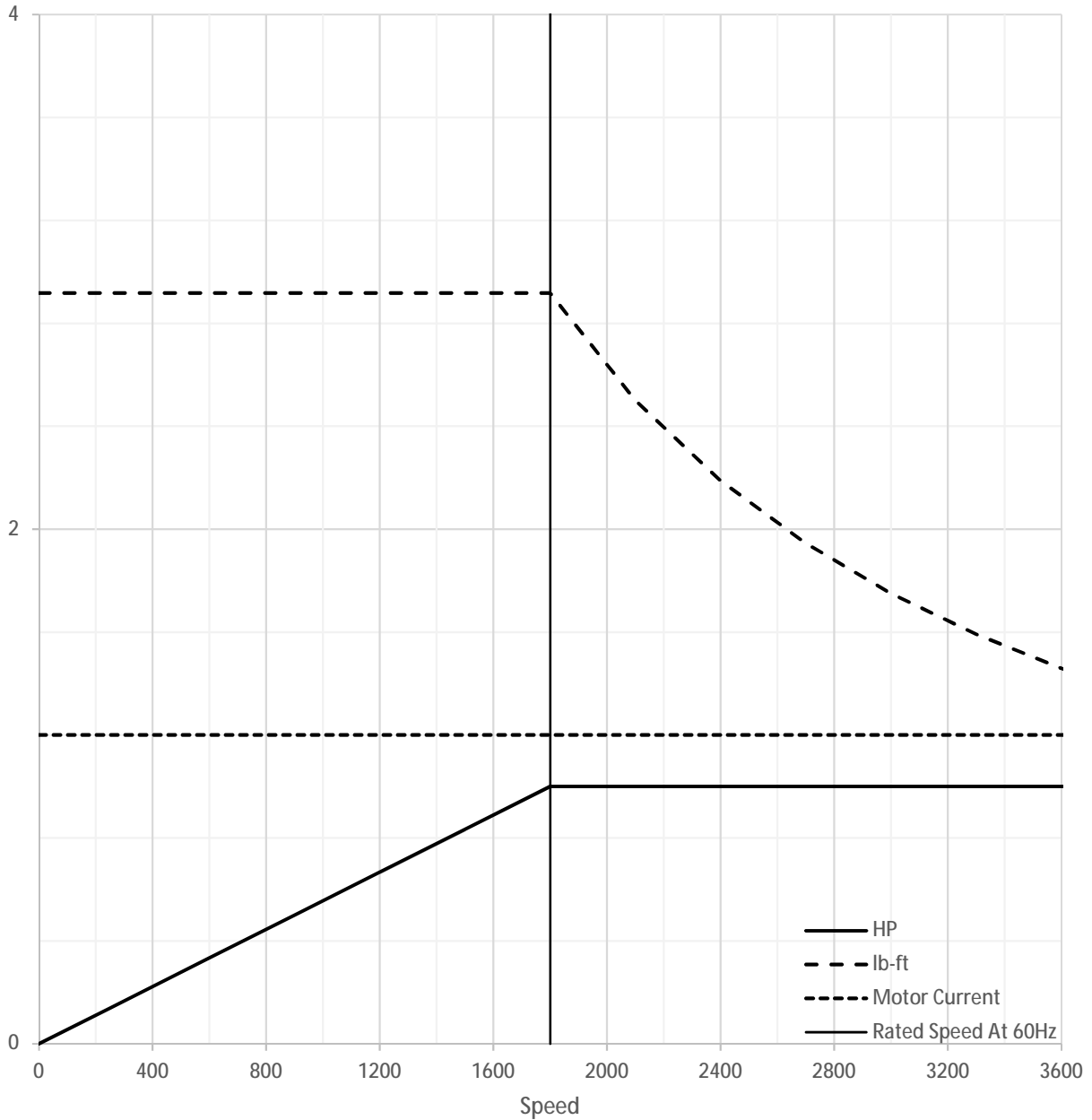
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 DATE 10/28/2020

A-C MOTOR PERFORMANCE CURVES
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NP VOLTS	460	MAX RPM	4000	WYE Connected HVC		
NP AMPS	1.2	Base Volt	480	BEMF	248	
HP	1	NL AMPS	0.1	Ld	195	
BASE SPEED	1800	S.F.	1.5	Lq	722	
PHASE/HZ	3/60	WK ² (lb-ft ²)	10.7	Rs	23.91	Meas L-L

Motor Performance Capability at Rated Load, ECS Vector PWM

Variable Speed IPM Motor Curves



Calculated Data

Data Valid For Nameplate Ratings

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A-C MOTOR
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 CURVES

Calculated Data
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