

NP VOLTS	460	MAX RPM	4000	WYE Connected HVC	
NP AMPS	8.8	Base Volt	460	BEMF	212
HP	7.5	NL AMPS	0.1	Ld	25.0
BASE SPEED	1800	S.F.	1.50	Lq	91.6
PHASE/HZ	3/60	WK ² (lb-ft ²)	54.2	Rs	1.260
					Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	7.5	21.9	460	60	8.8
Max Speed	4000	7.5	9.8	460	133.3	8.8
Min Speed	180	0.8	21.9	460	6.0	8.8

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	1.9	5.5	460	80.3	2.2
1/2	1800	3.8	10.9	460	89.7	4.4
3/4	1800	5.6	16.4	460	92.5	6.6
Full Load	1800	7.5	21.9	460	93.4	8.8
O/L	1800	11.3	32.8	460	N/A	13.2

Remarks: Calculated Data
ECS Vector PWM IPM



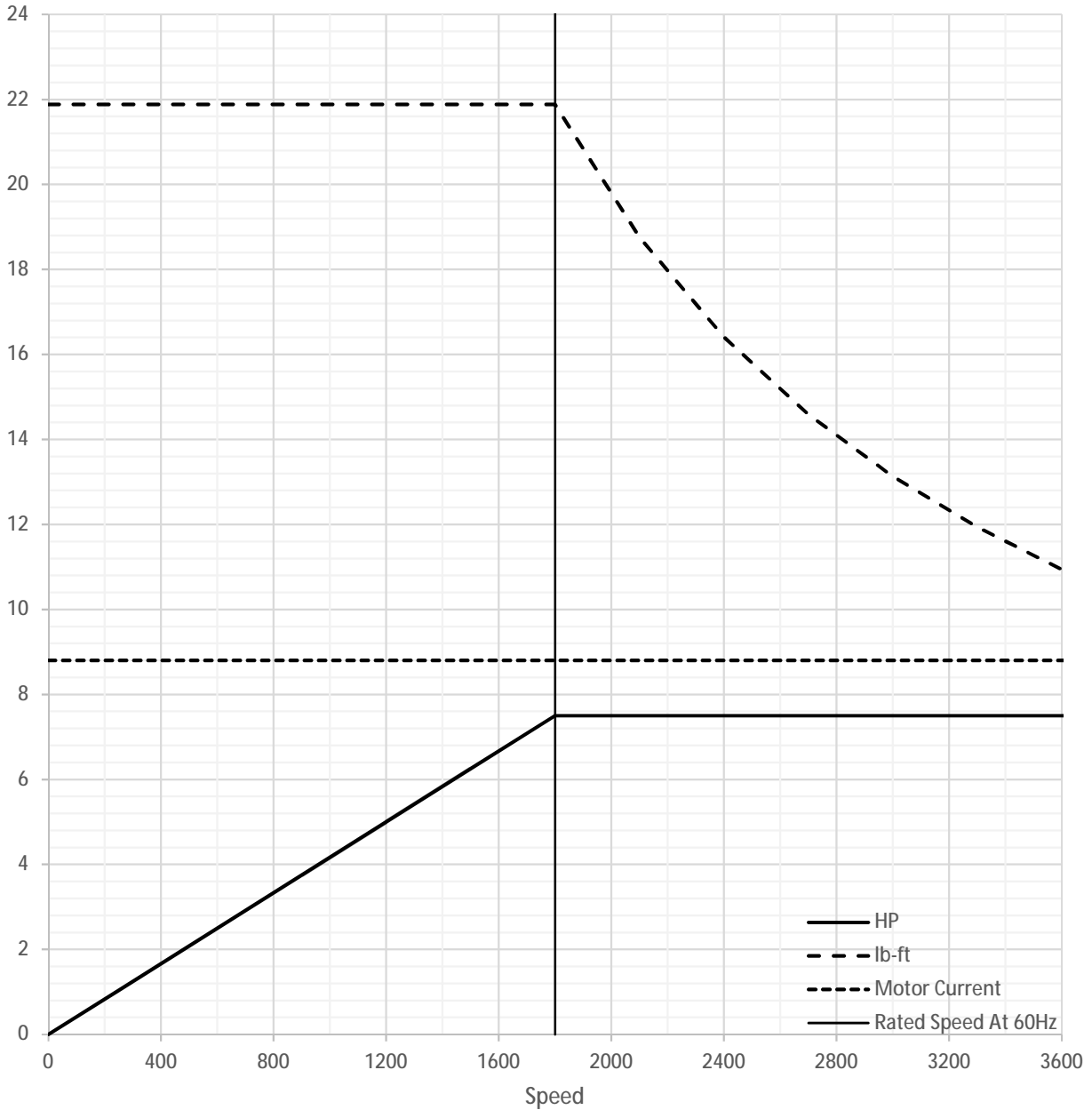
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 DATE 8/5/2020

A-C MOTOR PERFORMANCE CURVES
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NP VOLTS	460	MAX RPM	4000	WYE Connected HVC		
NP AMPS	8.8	Base Volt	460	BEMF	212	
HP	7.5	NL AMPS	0.1	Ld	25.0	
BASE SPEED	1800	S.F.	1.5	Lq	91.6	
PHASE/HZ	3/60	WK ² (lb-ft ²)	54.2	Rs	1.260	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
 PERFORMANCE
 CURVES

Calculated Data
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