

NP VOLTS	460	MAX RPM	3000	9 Lead	WYE Connected HVC
NP AMPS	17.4	Base Volt	480	BEMF	234
HP	15	NL AMPS	0.1	Ld	12.7
BASE SPEED	1800	S.F.	1.50	Lq	42.6
PHASE/HZ	3/60	WK ² (lb-ft ²)	177	Rs	0.500 Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	15.0	43.8	460	60	17.4
Max Speed	3000	15.0	26.3	460	100.0	17.4
Min Speed	180	0.8	43.8	460	6.0	17.4

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	3.8	10.9	460	81.4	4.4
1/2	1800	7.5	21.9	460	90.8	8.7
3/4	1800	11.3	32.8	460	93.7	13.1
Full Load	1800	15.0	43.8	460	94.6	17.4
O/L	1800	22.5	65.7	460	N/A	26.1

Remarks: Calculated Data
ECS Vector PWM IPM

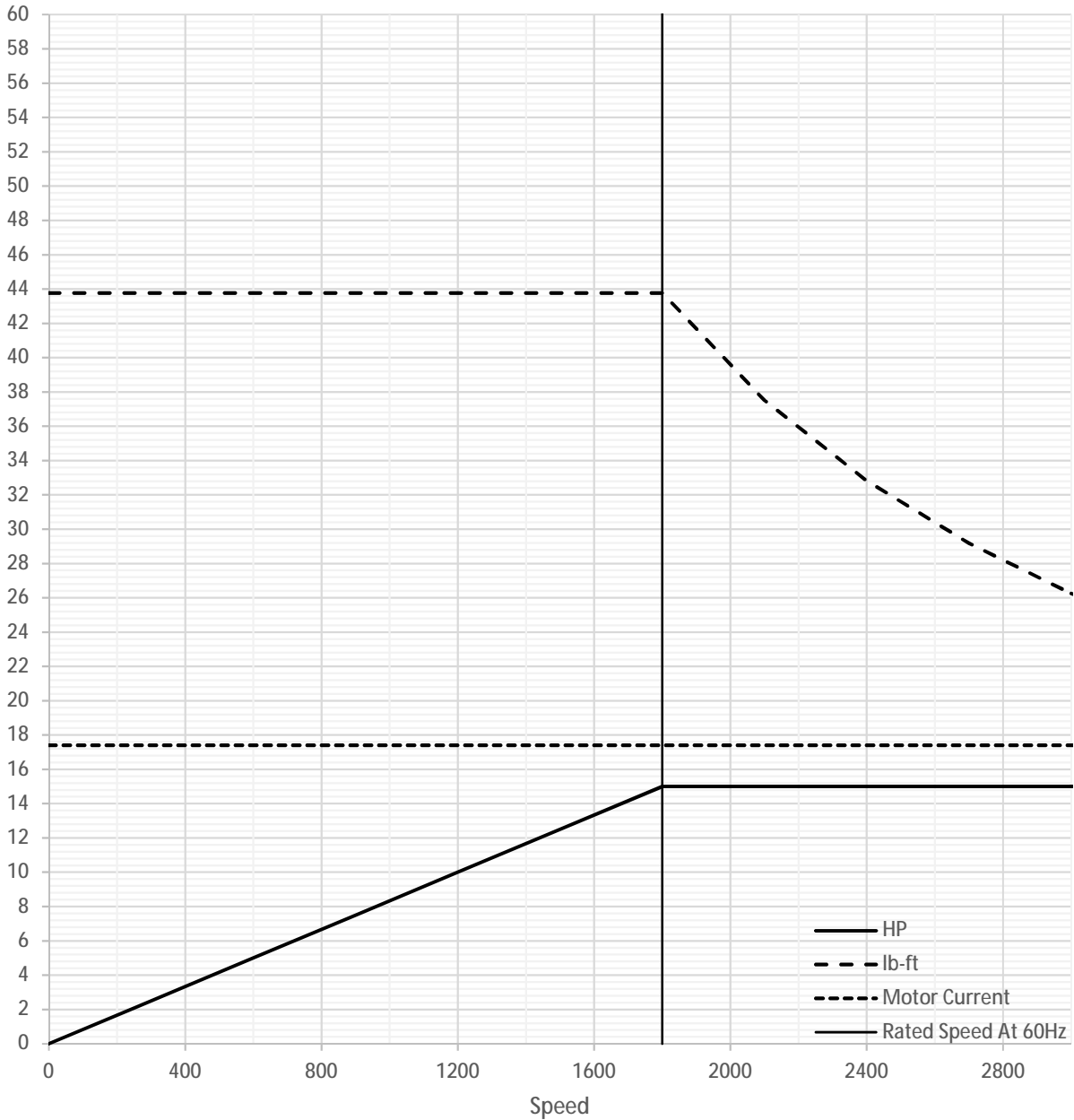
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 DATE 8/17/2020

A-C MOTOR PERFORMANCE CURVES
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NP VOLTS	460	MAX RPM	3000	WYE Connected HVC		
NP AMPS	17.4	Base Volt	480	BEMF	234	
HP	15	NL AMPS	0.1	Ld	12.7	
BASE SPEED	1800	S.F.	1.5	Lq	42.6	
PHASE/HZ	3/60	WK ² (lb-ft ²)	177	Rs	0.500	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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Calculated Data
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