

NP VOLTS	460	MAX RPM	3000	9 Lead	WYE Connected HVC
NP AMPS	11.0	Base Volt	480	BEMF	241
HP	10	NL AMPS	0.1	Ld	21.9
BASE SPEED	1800	S.F.	1.50	Lq	76.7
PHASE/HZ	3/60	WK ² (lb-ft ²)	118	Rs	0.930 Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	10.0	29.2	460	60	11.0
Max Speed	3000	10.0	17.5	460	100.0	11.0
Min Speed	180	0.8	29.2	460	6.0	11.0

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	2.5	7.3	460	81.5	2.8
1/2	1800	5.0	14.6	460	91.0	5.5
3/4	1800	7.5	21.9	460	93.9	8.3
Full Load	1800	10.0	29.2	460	94.8	11.0
O/L	1800	15.0	43.8	460	N/A	16.5

Remarks: Calculated Data
ECS Vector PWM IPM

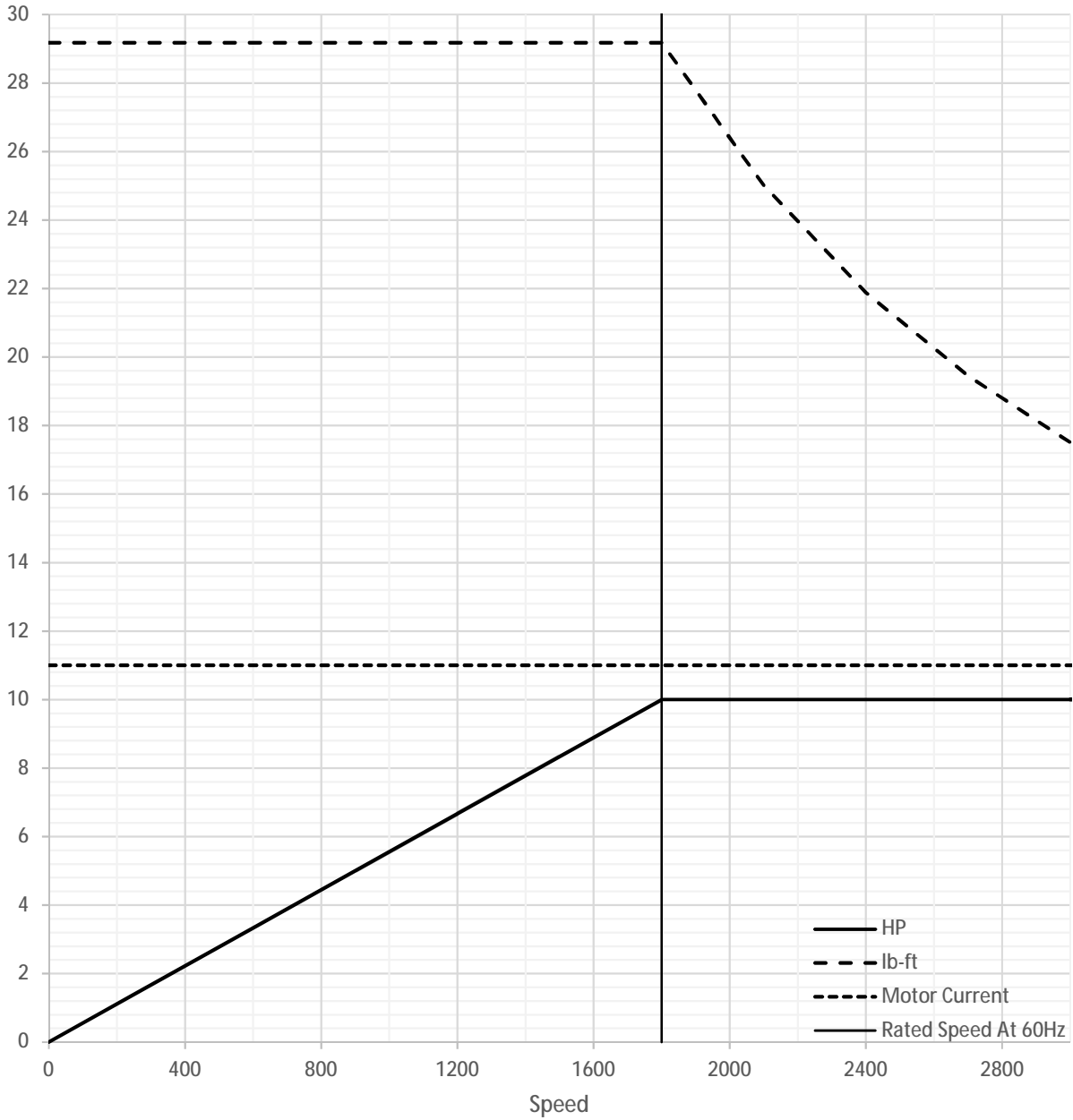
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 APP BY ENG
 DATE 8/17/2020

A-C MOTOR PERFORMANCE CURVES
 ECS101M0H10FF4
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NP VOLTS	460	MAX RPM	3000	WYE Connected HVC		
NP AMPS	11	Base Volt	480	BEMF	241	
HP	10	NL AMPS	0.1	Ld	21.9	
BASE SPEED	1800	S.F.	1.5	Lq	76.7	
PHASE/HZ	3/60	WK ² (lb-ft ²)	118	Rs	0.930	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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