

NP VOLTS	460	MAX RPM	3000	WYE Connected HVC	
NP AMPS	8.7	Base Volt	460	BEMF	225
HP	7.5	NL AMPS	0.1	Ld	26.5
BASE SPEED	1800	S.F.	1.50	Lq	81.4
PHASE/HZ	3/60	WK ² (lb-ft ²)	89.8	Rs	1.390
					Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	7.5	21.9	460	60	8.7
Max Speed	3000	7.5	13.1	460	100.0	8.7
Min Speed	180	0.8	21.9	460	6.0	8.7

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	80.8	2.2
1/2	1800	3.8	10.9	460	90.2	4.4
3/4	1800	5.6	16.4	460	93.1	6.5
Full Load	1800	7.5	21.9	460	94.0	8.7
O/L	1800	11.3	32.8	460	N/A	13.1

Remarks: Calculated Data
ECS Vector PWM IPM

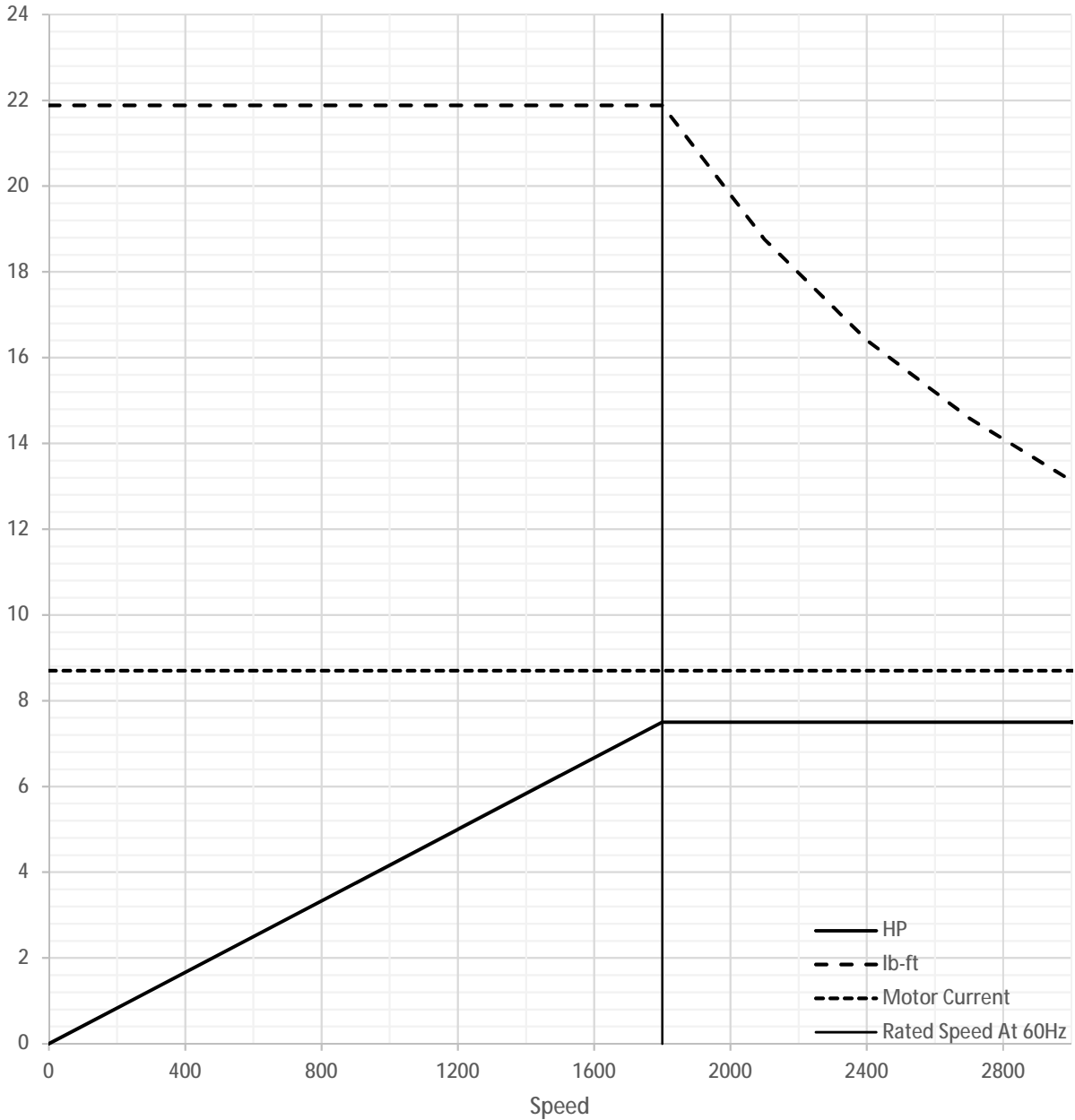


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 DATE 8/3/2020

A-C MOTOR PERFORMANCE CURVES
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NP VOLTS	460	MAX RPM	3000	WYE Connected HVC	
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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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