

Volts	460	Max RPM	4000	Conn Diag.	CD0006B03	Leads	3
Amps	3.5	Max Amps		Cs Diagram	CS1126	BEMF	267
HP	3	VFD#	ECIN4A4P1			LD	57.9
RPM	1800	S.F.	1.00			LQ	218
Phase/Hz	3/60	Rating	40C AMB-CONT			Rs	6.6786 Meas. L-L

60034-2-3 Motor Performance at Standardized Operating Points

	RPM	% Speed	LB-FT	% Torque	HP	Efficiency	Loss (% FL)	Watts Loss (W)
P1	1615	90%	8.8	100%	2.7	91.0	8.80%	199
P2	897	50%	8.8	100%	1.5	86.7	7.59%	172
P3	446	25%	8.8	100%	0.7	79.1	6.48%	147
P4	1617	90%	4.4	50%	1.3	91.4	4.22%	95
P5	896	50%	4.4	50%	0.7	88.5	3.22%	73
P6	895	50%	2.2	25%	0.4	87.6	1.74%	39
P7	444	25%	2.2	25%	0.2	82.2	1.32%	30

61800-9-2 PDS Performance at Reference Operating Points

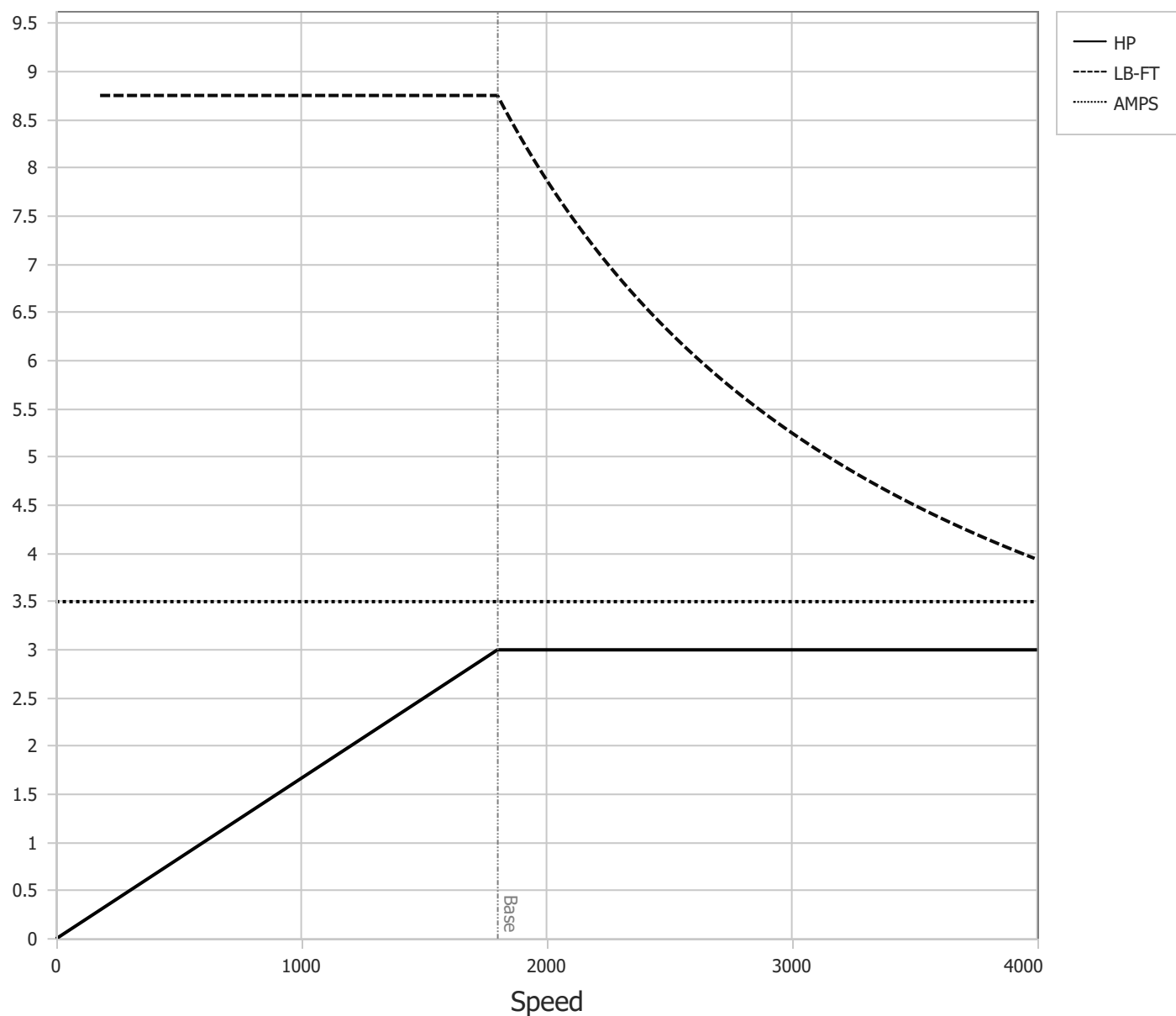
	RPM	% Speed	LB-FT	% Torque	HP	System Efficiency	Loss (% FL)	Watts Loss (W)
P1	1800	100%	8.8	100%	3.0	88.5	12.88%	292
P2	897	50%	8.8	100%	1.5	82.9	10.19%	231
P3	296	17%	8.8	100%	0.5	65.5	8.56%	194
P4	1798	100%	4.4	50%	1.5	88.2	6.59%	149
P5	896	50%	4.4	50%	0.7	83.4	4.91%	111
P6	295	17%	4.4	50%	0.2	66.3	4.11%	93
P7	895	50%	2.2	25%	0.4	80.3	3.01%	68
P8	294	17%	2.2	25%	0.1	62.1	2.46%	56

Points not taken in certified order.

BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	35WGG943 35E5209G943 Test - 110858
	CK By:	<u>USTOSAN</u>		
	APP By:	<u>USJAROB1</u>		
	Date:	<u>06/27/2024</u>		

Volts	460	Max RPM	4000	Conn Diag.	CD0006B03	Leads	3
Amps	3.5	Max Amps		Cs Diagram	CS1126	BEMF	267
HP	3	VFD #	ECIN4A4P1			LD	57.9
RPM	1800	S.F.	1.00			LQ	218
Phase/Hz	3/60	Rating	40C AMB-CONT			Rs	6.6786 Meas L-L

Constant Duty Operating Range



BALDOR • RELIANCE

DR By: R & D
CK By: USTOSAN
APP By: USJAROB1
Date: 06/27/2024

**AC MOTOR
PERFORMANCE
CURVES**

35WGG943
35E5209G943
Test - 110858