

Volts	460	Max RPM	3000	Conn Diag.	CD0006	Leads	3
Amps	21.6	Max Amps		Cs Diagram	CS1127	BEMF	241
HP	20	VFD#	ACS380-040S-03			LD	10
RPM	1800	S.F.	1.50			LQ	35.9
Phase/Hz	3/60	Rating	C AMB-40			Rs	0.3236 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	1620	90%	58.4	100%	18.0	96.3	3.45%	521
P2	900	50%	58.4	100%	10.0	94.8	2.71%	410
P3	450	25%	58.4	100%	5.0	91.6	2.29%	345
P4	1620	90%	29.2	50%	9.0	95.4	2.16%	325
P5	900	50%	29.2	50%	5.0	94.0	1.58%	238
P6	900	50%	14.6	25%	2.5	89.9	1.39%	210
P7	450	25%	14.6	25%	1.2	86.3	0.99%	149

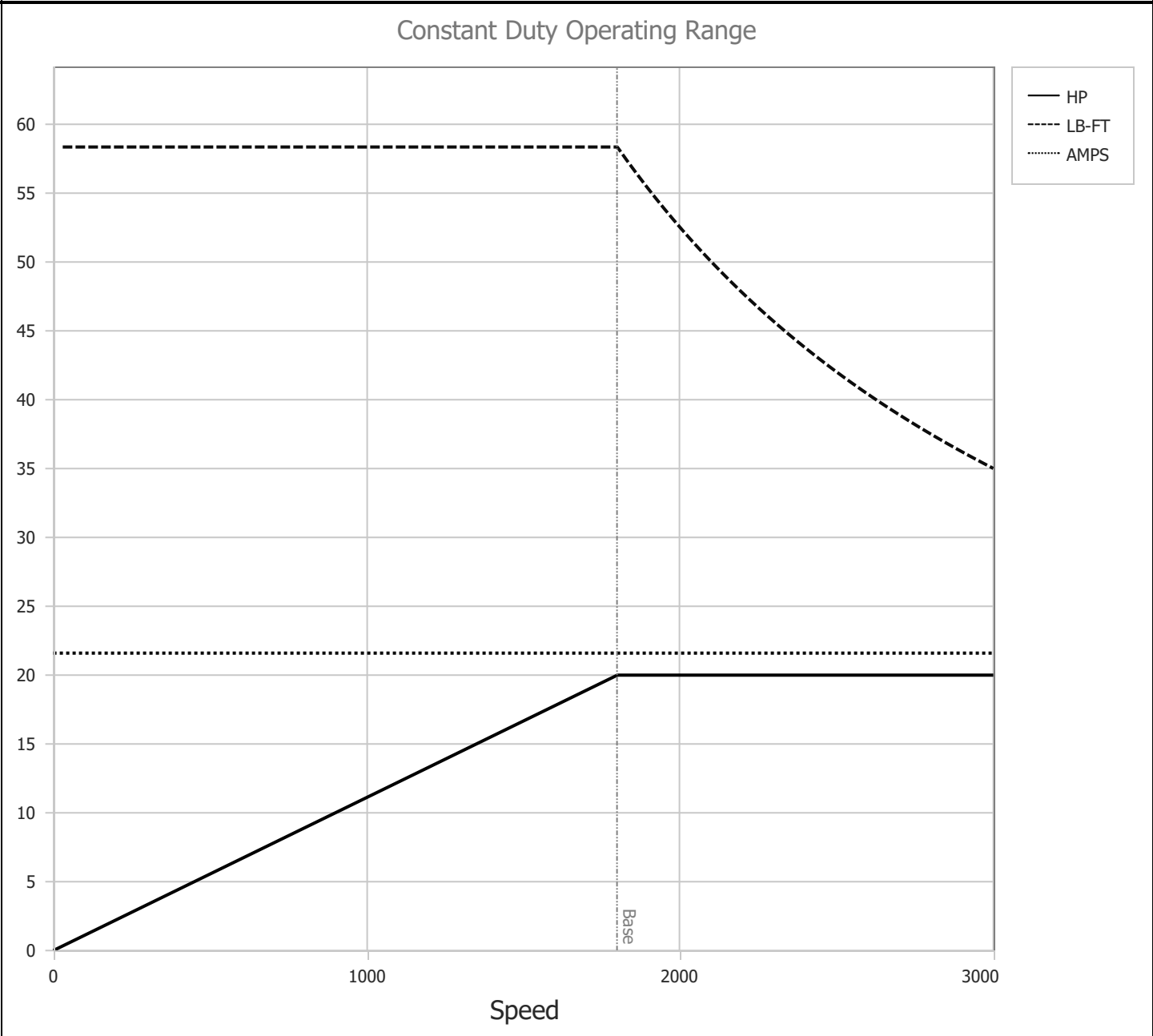
61800-9-2 PDS Performance at Reference Operating Points

	RPM	% Speed	LB-FT	% Torque	HP	System Efficiency	Loss (% FL)	Watts Loss (W)
P1	1800	100%	58.4	100%	20.0	94.2	6.03%	910
P2	900	50%	58.4	100%	10.0	91.4	4.67%	705
P3	300	17%	58.3	100%	3.3	80.3	4.04%	609
P4	1800	100%	29.2	50%	10.0	93.0	3.73%	563
P5	900	50%	29.2	50%	5.0	90.0	2.74%	414
P6	300	17%	29.2	50%	1.7	79.7	2.09%	316
P7	900	50%	14.6	25%	2.5	83.6	2.42%	365
P8	300	17%	14.6	25%	0.8	68.6	1.89%	285

Points not taken in certified order.

BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	37WGL003 37Q435L003G2 Test - 111777
	CK By:	<u>USTOSAN</u>		
	APP By:	<u>USJAROB1</u>		
	Date:	<u>01/08/2025</u>		

Volts	460	Max RPM	3000	Conn Diag.	CD0006	Leads	3
Amps	21.6	Max Amps		Cs Diagram	CS1127	BEMF	241
HP	20	VFD #	ACS380-040S-03			LD	10
RPM	1800	S.F.	1.50			LQ	35.9
Phase/Hz	3/60	Rating	C AMB-40			Rs	0.3236 Meas L-L



BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	37WGL003 37Q435L003G2 <i>Test - 111777</i>
	CK By:	<u>USTOSAN</u>		
	APP By:	<u>USJAROB1</u>		
	Date:	<u>01/08/2025</u>		